

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**December 16, 1964**



The December meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, December 16, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry; Executive Vice-President and Provost Lyle H. Lanier; Vice-President Norman A. Parker of the Chicago Undergraduate Division; Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago; Director C. S. Havens of the Physical Plant; Mr. C. E. Flynn, Assistant to the President and Director of Public Information; Mr. James J. Costello, Legal Counsel; Mr. Earl W. Porter, Assistant to the President and Associate Secretary to the Board; Mr. Shannon McCune, Staff Associate in the President's Office; Mr. Vernon L. Kretschmer, Associate Director of the Physical Plant and Director of Auxiliary Services; Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

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

#### PRESIDENT'S REPORT

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

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
GRADY FRANKLIN CAMPBELL	Fort Madison, Iowa	District of Columbia
HERBERT DOYLE JOHNSON	Decatur, Illinois	California
ROBERT JOHN STIEHL, JR.	Northbrook, Illinois	New York

I concur.

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

#### APPOINTMENTS TO THE FACULTY

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

1. WARREN H. BROTHERS, Visiting Associate Professor of Mathematics, Chicago Undergraduate Division, on one-third time, for the academic year 1964-65, at a salary of \$4,000.
2. ELLIOTT CARTER, George A. Miller Visiting Lecturer in Music, for the month of March, 1965, at a salary of \$2,500.
3. PAUL E. DIXON, Associate Architect, Physical Plant, beginning December 1, 1964, at an annual salary of \$15,500.
4. FRANK HARRIS, Visiting Professor of Labor and Industrial Relations, for one month from January 16, 1965, at a salary of \$1,500.
5. PAUL T. HEYNE, Visiting Associate Professor in the Graduate School of Business Administration, on one-third time, for four and one-half months from February 1, 1965, at a salary of \$2,000.
6. ALLEN J. HOGDEN, Catalog Librarian and Assistant Professor of Library Administration, Chicago Undergraduate Division, beginning January 4, 1965, at an annual salary of \$9,500.
7. HERBERT JOHN HOPEN, Assistant Professor of Vegetable Crops, Department of Horticulture, beginning January 1, 1965, at an annual salary of \$9,000.
8. FRANK W. HOUCK, Superintendent of Buildings and Grounds, Physical Plant, Medical Center and Chicago Circle, beginning October 1, 1964, at an annual salary of \$17,250.
9. LOUIS LEVINE, Visiting Professor of Labor and Industrial Relations, from February 1, 1965, through May 31, 1965, at a salary of \$8,500.
10. ALLAN J. MORTON, Research Assistant Professor of Physical Metallurgy, beginning November 1, 1964, at an annual salary of \$8,500.
11. THOMAS C. MURPHY, Clinical Assistant Professor in the Department of Psychiatry, beginning December 1, 1964, without salary.
12. ANN PERKINS, Associate Professor of Art, beginning September 1, 1965, at an annual salary of \$11,000.
13. ROBERT K. SIMPSON, Assistant Professor of Speech, beginning February 1, 1965, at an annual salary of \$10,000.

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

**DIRECTORSHIP OF SURVEY RESEARCH LABORATORY**

(3) The Acting Dean of the Graduate College recommends the appointment of Dr. Robert Ferber as Director of the Survey Research Laboratory for the period September 1, 1964, through August 31, 1966, in addition to his present appointment as Professor of Economics and of Marketing and Research Professor in the Bureau of Economic and Business Research.

The Executive Committee of the Survey Research Laboratory and the Executive Vice-President and Provost concur.

I recommend approval.

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

**HEADSHIP OF THE DEPARTMENT OF ENGLISH**

(4) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. Leonard F. Dean, presently Professor and Head of the Department of English at the University of Connecticut, as Professor of English on indefinite tenure and Head of the Department, beginning September 1, 1965, at an annual salary of \$22,000 on an academic year service basis.

This appointment is to fill the vacancy created when Dr. Robert W. Rogers, former Head of the Department, became Dean of the College of Liberal Arts and Sciences, beginning July 1, 1964. Professor Burton A. Milligan has been serving as Acting Head in the meantime, and will continue to serve until the end of the current academic year.

Dr. Dean was recommended for this appointment by a special search committee.<sup>1</sup> All members of the Department of English of professorial rank were subsequently consulted and concur. The Acting Dean of the Graduate College and the Executive Vice-President and Provost also concur.

I recommend approval.

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

**MAJOR AND MINOR IN PSYCHOLOGY**

(5) The Department of Psychology presently offers two programs for students majoring in that field, the General Major suitable for students interested primarily in a liberal education and the Honors Major designed mainly to prepare students for graduate training leading to the doctorate in psychology.

The Urbana-Champaign Senate has approved a recommendation from the Department and the College of Liberal Arts and Sciences for the addition of a third option, Applied Psychology. The applied psychology major is designed for students interested in vocational preparation involving a minimum of graduate training. The Graduate College now offers a graduate program leading to the degree of Master of Science in Psychology without a thesis requirement to cap at the graduate level the program in applied psychology. It is believed that one graduate year for the new applied psychology major is sufficient for large areas of professional practice.

A detailed description of the proposed revision of majors and minors involved in the addition of the third option in applied psychology is submitted herewith and is being filed with the Secretary of the Board for record. No new courses will be required, and there are no budgetary implications.

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

I recommend approval.

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

**CURRICULUM IN BUSINESS ADMINISTRATION AT THE CHICAGO UNDERGRADUATE DIVISION**

(6) The Chicago Undergraduate Division Senate has approved a curriculum for the College of Business Administration to become effective for all new students enrolling in the College after June 1, 1965, as follows:

<sup>1</sup> Professor Robert W. Johannsen (Chairman, Department of History), Chairman of the Committee; Professors Harris W. Wilson, Royal Gettmann, Gwynne B. Evans, Robert Haig, Robert L. Schneider, Francis E. Hodgins, Jr., all of the Department of English.

## A. Divisions of the Curriculum

The proposed curriculum is divided into three parts. The first part, the general education requirements, consist of courses which will provide students with a liberal educational background and a foundation for the work which follows.

The second part, the business core, is designed to provide a well-rounded background in the functional fields of business as well as to provide some degree of competence in the uses of the analytical tools of management.

The third part, the fields of specialization, will be designed to enable students to acquire greater depth in the areas of their choices, and will be submitted for approval later.

## B. Proposed Curriculum

	<i>Semester Hours</i>	<i>Percentage</i>
General Education		
Rhetoric and Speech.....	12	
Mathematics .....	6	
Natural Sciences .....	8	
Laboratory courses in Biological and/or Physical Sciences.....	18	
Social Sciences.....	18	
Behavioral Sciences (Anthropology, Psychology, Sociology), 6 hours		
Economics (Principles), 6 hours		
History and/or Political Science, 6 hours		
Humanities .....	14	
Logic, 3 hours		
Fine Arts, 3 hours		
Elective, 8 hours		
(If a foreign language is elected, at least the second year of the same language must be completed.)		
(A sequence in Humanities must be completed.)		
General Education Elective.....	6	
Required courses in Physical Education.....	(64)	50.4
Business Core		
Business and Society.....	6	
Accounting .....	6	
Statistics.....	6	
Business Economics .....	6	
Finance.....	6	
Marketing .....	3	
Personnel and Industrial Relations.....	3	
Legal Environment of Business.....	3	
Organization and Administration.....	3	
Business Policy .....	3	
	(45)	35.5
Area of Concentration and Free Electives.....	18	14.1
<i>Total</i> .....	127	100.0

The Senate Coordinating Council has approved this proposal for presentation to the Board of Trustees.

I recommend approval.

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

#### RECOMMENDATIONS FROM COMMITTEE ON COPYRIGHTS AND RECORDINGS

(7) On April 17, 1963, the Board of Trustees amended Section 19 of *The General Rules Concerning University Organization and Procedure* to provide that a proportion of the net income earned from the marketing of copyrighted or recorded



material produced with University support might be assigned to the author(s) or developer(s) of the material. Under this Section, it is provided that all rights to such copyrighted or recorded materials produced with University support belong to the University. The revision further provides that a University Committee on Copyrights and Recordings be appointed to review the circumstances involved in each case, and to make recommendations concerning it to the President and the Board of Trustees.

The Committee on Copyrights and Recordings has reviewed two cases involving copyrights and proposed royalty arrangements, and recommends:

1. That the rights to a work entitled "The Licensing of Family Homes in Child Welfare" be released to Professors Lela B. Costin and Jeannette R. Gruener of the Jane Addams Graduate School of Social Work, subject to the rights of the Children's Bureau of the United States Department of Health, Education, and Welfare. This agency subsidized the study but has indicated that it does not wish to publish the resulting manuscript. The Director of the School of Social Work supports this recommendation.
2. That contracts be authorized for the publication of certain programmed books prepared as scholarly contributions by the faculty members listed opposite the respective book titles with the assistance of technical programming experts provided by the Office of Research in Medical Education, as follows:

Dr. Arnold V. Wolf, *Introduction to Body Fluid Metabolism*

Dr. Lionel M. Bernstein, *Renal Function and Renal Failure*

Dr. Robert J. Ryan, *Thyroid Function and Dysfunction*

Dr. Terrell C. Myers, *The Chemistry of Amino Acids, Peptides, and Proteins*

In each case, the work was jointly prepared by the senior professor designated (on his own time) and an expert in programming textual material (the latter employed by the University for such work). The Committee endorses the recommendation of the Dean of the College of Medicine and the Vice-President at the Medical Center that tripartite contracts for such publications be authorized between the University, the senior professor, and a publisher approved by the Executive Vice-President and Provost, under which royalties accruing from these publications will be divided equally in each case between the senior author and the University of Illinois. These arrangements are identical with one approved by the Board of Trustees on September 18, 1963, for an earlier work by Dr. Wolf.

The executive Vice-President and Provost and the Vice-President and Comptroller endorse these recommendations of the Committee on Copyrights and Recordings.

I concur.

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

#### ACADEMIC CALENDAR AT CHICAGO CIRCLE

(8) The Vice-President for the Chicago Undergraduate Division, with the concurrence of his advisory council of deans and directors, and the Executive Vice-President and Provost, recommends that:

Effective September 1965, the Chicago Circle campus operate on a calendar of three quarters for the academic year, offering ten weeks of instruction plus the necessary time for registration and examinations, in lieu of the present academic year of two semesters of fifteen weeks of instruction.

Subject to the availability of additional funds, a fourth quarter of ten weeks' instruction (plus time for registration and examinations) be offered in the summer of 1966 and thereafter, in place of the former summer session of half-semester length. Instruction in the summer quarter would be so organized that students could enroll for the full term or for sessions covering either half of the term (the latter provision to accommodate school teachers).

Compensation for the fourth quarter of full-time teaching shall be one-third of the academic-year salary for three quarters. In the summer quarter, a staff member teaching full time for half of the term (first or second session) would receive compensation of one-sixth of his salary for the academic year.

Appropriate adjustments be made in the sabbatical leave provision to conform with the quarter-system calendar.

A supporting, historical statement is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur in these recommendations.

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

#### NONRESIDENT TUITION FEES

(9) In view of the practice of keeping the level of nonresident tuition fees at the University of Illinois in close relationship to fees and tuition charged at other major state universities in the middle west, and in anticipation of the continuing of an upward trend in nonresident charges, it is recommended that the total nonresident tuition and fees for full-time students at Urbana-Champaign be increased from the present total of \$620 per year to \$850 per year, effective September 1, 1965, with comparable adjustments in rates for the Medical Center and the Chicago Circle Campuses.

The faculty Committee on Fees has been consulted and concurs in this recommendation.

The Committee on General Policy of the Board has also reviewed this proposal and recommends approval.

I concur.

On motion of Mr. Pogue, this change in fee was authorized, and the following schedules were approved.

#### Urbana-Champaign Campus

##### SEMESTER

Range I: Above 10 hours; above 2½ units.

Range II: Above 5 to 10 hours; above 1¼ to 2½ units.

Range III: Above 0 to 5 hours; above 0 to 1¼ units.

	RANGE I				RANGE II				RANGE III			
	1964-65	Proposed	1964-65	Proposed	1964-65	Proposed	1964-65	Proposed	1964-65	Proposed	1964-65	Proposed
	Resi-	Non-	Resi-	Non-	Resi-	Non-	Resi-	Non-	Resi-	Non-	Resi-	Non-
	dent	resident	dent	resident	dent	resident	dent	resident	dent	resident	dent	resident
Tuition.....	\$ 85	\$260	\$ 85	\$375	\$60	\$180	\$60	\$265	\$35	\$105	\$35	\$155
Service Fee.....	40	40	40	40	25	25	25	25	10	10	10	10
Hospital-Medical-Surgical												
Insurance Fee.....	10	10	10	10	10	10	10	10	10	10	10	10
Totals.....	\$135	\$310	\$135	\$425	\$95	\$215	\$95	\$300	\$55	\$125	\$55	\$175

#### Chicago Circle

##### SEMESTER

Range I: Above 10 hours.

Range II: Above 5 to 10 hours.

Range III: Above 0 to 5 hours.

##### QUARTER

Range I: Above 10 quarter hours.

Range II: Above 5 to 10 quarter hours.

Range III: Above 0 to 5 quarter hours.

	RANGE I				RANGE II				RANGE III			
	Semester	Non-	Quarter	Non-	Semester	Non-	Quarter	Non-	Semester	Non-	Quarter	Non-
	Resi-	resident	Resi-	resident	Resi-	resident	Resi-	resident	Resi-	resident	Resi-	resident
	dent		dent		dent		dent		dent		dent	
Tuition.....	\$ 85	\$260	\$57	\$250	\$60	\$180	\$40	\$175	\$35	\$105	\$25	\$90
Service Fee.....	16	16	27	27	11	11	19	19	9	9	9	9
Hospital-Medical-Surgical												
Insurance Fee.....	9	9	6	6	9	9	6	6	9	9	6	6
Activities Fee.....	10	10	7	7	10	10	7	7	7	7	7	7
Totals.....	\$120	\$295	\$97	\$290	\$90	\$210	\$72	\$207	\$60	\$130	\$47	\$112

## Medical Center

## QUARTER

Range I: Above 199 clock hours.  
Range II: 100 to 199 clock hours.  
Range III: 0 to 99 clock hours.

	RANGE I				RANGE II				RANGE III			
	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent
MEDICINE												
Tuition.....	\$ 57	\$174	\$ 57	\$250	\$ 40	\$120	\$ 40	\$175	\$25	\$ 75	\$25	\$ 90
Service Fee.....	87	120	87	119	54	64	54	64	29	29	29	29
Hospital-Medical-Surgical												
Insurance Fee.....	6	6	6	6	6	6	6	6	6	6	6	6
Totals.....	\$150	\$300	\$150	\$375	\$100	\$190	\$100	\$245	\$60	\$110	\$60	\$125
DENTISTRY												
Tuition.....	\$ 57	\$174	\$ 57	\$250	\$ 40	\$120	\$ 40	\$175	\$25	\$ 75	\$25	\$ 90
Service Fee.....	77	110	77	109	54	64	54	64	29	29	29	29
Hospital-Medical-Surgical												
Insurance Fee.....	6	6	6	6	6	6	6	6	6	6	6	6
Totals.....	\$140	\$290	\$140	\$365	\$100	\$190	\$100	\$245	\$60	\$110	\$60	\$125

## QUARTER

Range I: Above 10 quarter hours; above 2 units.  
Range II: Above 5 to 10 quarter hours; above 1 to 2 units.  
Range III: Above 0 to 5 quarter hours; above 0 to 1 unit.

## PHARMACY

Tuition.....	\$ 57	\$174	\$ 57	\$250	\$40	\$120	\$40	\$175	\$25	\$ 75	\$25	\$ 90
Service Fee.....	37	37	37	37	29	29	24 <sup>1</sup>	24 <sup>1</sup>	19	19	14 <sup>1</sup>	14 <sup>1</sup>
Hospital-Medical-Surgical												
Insurance Fee.....	6	6	6	6	6	6	6	6	6	6	6	6
Totals.....	\$100	\$217	\$100	\$293	\$75	\$155	\$70	\$205	\$50	\$100	\$45	\$110

## ALL OTHERS (Nursing, Medical Record Administration, Graduate, Occupational Therapy, Medical Art, Medical Technology)

Tuition.....	\$57	\$174	\$57	\$250	\$40	\$120	\$40	\$175	\$25	\$ 75	\$25	\$ 90
Service Fee.....	27	27	27	27	24	24	19 <sup>1</sup>	19 <sup>1</sup>	19	19	9 <sup>1</sup>	9 <sup>1</sup>
Hospital-Medical-Surgical												
Insurance Fee.....	6	6	6	6	6	6	6	6	6	6	6	6
Totals.....	\$90	\$207	\$90	\$283	\$70	\$150	\$65	\$200	\$50	\$100	\$40	\$105

SEMESTER<sup>2</sup>

Range I: Above 2½ units.  
Range II: Above 1½ to 2½ units.  
Range III: Above 0 to 1½ units.

	RANGE I				RANGE II				RANGE III			
	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent	1964-65 Resi- dent	Proposed Non- resi- dent
SOCIAL WORK												
Tuition.....	\$ 85	\$260	\$ 85	\$375	\$60	\$180	\$60	\$265	\$35	\$105	\$35	\$155
Service Fee.....	41	41	41	41	26	26	26	26	11	11	11	11
Hospital-Medical-Surgical												
Insurance Fee.....	9	9	9	9	9	9	9	9	9	9	9	9
Totals.....	\$135	\$310	\$135	\$425	\$95	\$215	\$95	\$300	\$55	\$125	\$55	\$175

<sup>1</sup> Service Fee for partial programs reduced to make it consistent with amounts at Urbana and Chicago Circle.

<sup>2</sup> When the Chicago Social Work program is transferred from the Medical Center to the Chicago Circle in September, 1965, it may be necessary to adjust charges from the semester to the quarter basis.

## CHICAGO CIRCLE STUDENT UNION SERVICE CHARGE

(10) In authorizing the bond issue to finance construction of the "Congress Circle Union Building," the Board of Trustees adopted a resolution establishing a student service charge for use of the building of \$40.00 "per regular school semester" for full-time students. The building will be completed in the spring of 1965 and will be in operation during the following summer session, which will be an eight-week term.

<sup>1</sup> This bond issue was authorized June 19, 1963, at which time the official name of the new campus was Congress Circle—hence the bonds are the "Congress Circle Union Bonds of 1963." The name of the campus was subsequently changed by official Board action to Chicago Circle to conform with the name given to the expressways interchange by an Ordinance of the City of Chicago.

Accordingly, it is recommended that the student service charge at Chicago Circle for the 1965 summer session be established at \$20.00 for Range I (full-time students and students enrolled for more than five semester hours); \$13.00 for Range II (part-time students enrolled for more than two and one-half, but not more than five semester hours); and \$7.00 for Range III (part-time students enrolled for not more than two and one-half semester hours).

It is further recommended that with the change to the quarter system beginning with the academic year 1965-66, the service charge shall be \$27.00 a quarter for Range I (full-time students and students enrolled for more than ten quarter hours); \$19.00 for Range II (part-time students enrolled for more than five, but not more than ten quarter hours); and \$9.00 for Range III (part-time students enrolled for not more than five quarter hours). The service charge will be adjusted proportionately for students enrolled in the 1966 and future summer sessions for less than a full quarter of work.

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

#### **LEASE OF DUNCAN Y.M.C.A. BUILDINGS IN CHICAGO**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend the leasing of approximately 29,800 net square feet of space in the Duncan Y.M.C.A. buildings at Ashland and Monroe Streets, Chicago, for the women's physical education programs and related activities at the Chicago Undergraduate Division now carried on in the Auditorium area of Navy Pier.

The Duncan Y.M.C.A. will lease the facilities Monday through Friday (the Ashland Building from 8:00 a.m. to 3:00 p.m. and the Monroe Building from 8:00 a.m. to 11:00 a.m.) for the period from February 1, 1965, through June 30, 1965, at a cost of \$2,300 per month with an option to renew the lease on an annual basis for a term not to exceed two years at an annual cost of \$27,600. The rental charge includes janitorial service, heat, light, water, gas, and all repairs of the building area and equipment.

It is further recommended that funds for the rental be assigned from the General Reserve to the operation budget of the Physical Plant in the amount of \$11,500 for the balance of 1964-65 and in the amount of \$27,600 annually, commencing July 1, 1965, if the renewal option is exercised.

I concur.

On motion of Mr. Swain, this lease was authorized, as recommended, and the requested assignment of funds was approved — these actions being taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### **CONTRACT FOR MOVING CHICAGO UNDERGRADUATE DIVISION EQUIPMENT TO CHICAGO CIRCLE**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$30,805 to The Willett Company, Chicago, for all work necessary for the moving of furniture, equipment, supplies, etc., except for equipment to be moved to the former Central National Bank Building, from Navy Pier to the new Chicago Circle Campus.

The moving will be done during the month of February, 1965, on a fifteen days' notice.

Funds are available in state capital appropriations to the University from the Universities Building Fund.

I concur.

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

**CONTRACT FOR REROOFING ENGLISH BUILDING**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$101,812 to Petry Roofing and Sheet Metal Co., Champaign, Illinois, the lowest bidder, for reroofing the English Building.

Funds are available in the Physical Plant Department budget.

I concur.

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

**CONTRACT FOR NEW ELEVATOR INSTALLATION  
IN CERAMICS BUILDING**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$43,745 to Kuhne-Simmons Co., Inc., Champaign, Illinois, the lowest bidder, for replacing the elevator in the Ceramics Building.

Funds are available in the state capital appropriations to the University for 1963-65 and have been released.

I concur.

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

**ADDITION TO LANDSCAPE CONTRACT FOR CONSTRUCTION  
OF CHICAGO CIRCLE CAMPUS**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$4,543.78 in the contract with Felix Grundstrom Landscaping Company, Niles, to add landscape work at Chicago Circle in the area bounded by Grenshaw Street, the Dan Ryan Expressway, Roosevelt Road, and Halsted Street. This area will be one of the entrances to the campus and, therefore, an attractive landscape development is desirable.

The former Central National Bank Building, within this area, is being remodeled for temporary Student Union facilities and subsequently for staff offices. Parking areas will be constructed on the east and west sides of this building after demolition of existing improvements by the Department of Urban Renewal.

Addition to the contract proposed will provide for preparation of cleared areas and landscape development consisting of planting of trees (some of which were originally to be planted at other locations on the campus), shrubs, lawn, and ground cover.

Funds are available in the construction budget.

I concur.

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

**ADDITION TO CONTRACT FOR CONSTRUCTION  
AT CHICAGO CIRCLE CAMPUS**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$2,915.65 in the contract with Gust K. Newberg Construction Company for rerouting electrical service.

The original planning assumed that isolated heating and electrical service would be planned for the Hull House restoration, and construction contracts were awarded accordingly. However, subsequent studies showed that the extension of services from the campus distribution system would be lower in capital and operating costs, even including the necessary rerouting of electrical service which had been planned through this site for other buildings.

The progress of construction on the other buildings and their requirements for utility services required a decision on the rerouting of the service crossing the Hull House area in order to avoid a delay in construction. Accordingly, this additional work had to be authorized, including the cost of the increased length of the services.

Funds are available in the construction budget.

I concur.

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

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF CHICAGO CIRCLE CAMPUS BUILDING AND CAMPUS SIGNS — AND FENCING**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$15,480.70 in the contract with Gust K. Newberg Construction Company, Chicago, for construction of the Chicago Circle Campus for:

Provision and placement of 52 building and campus signs.....	\$12 663 00
Additional work to protect students, staff, and others using or visiting Chicago Circle after activation of the campus and prior to final completion of construction.....	\$ 2 817 70

Funds are available in the construction budget.

I concur.

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

#### **ADDITION TO CONTRACT FOR CONSTRUCTION AT CHICAGO CIRCLE STAFF AND ADMINISTRATION BUILDING**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$9,763.17 in the contract with the Gust K. Newberg Construction Company at Chicago Circle for changing the fenestration to increase glass areas on the east and west sides of the top (twenty-eighth) floor of University Hall — the Staff and Administration Office Building.

Funds are available in the construction budget.

I concur.

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

#### **TERMINATION OF CONTRACT WITH THOMAS PLUMBING & HEATING CO.**

(19) Willis H. Thomas and Wren C. Thomas, a partnership doing business as Thomas Plumbing & Heating Co., have informed the University that their organization is unable to handle the volume of work which it is anticipated will be required by the University under a standing contract for plumbing work on minor building alterations, repairs, and construction which contract was authorized by the Board on June 17, 1964.

They request the University to terminate the contract effective November 30, except for completion of presently assigned work. The Director of the Physical Plant and the Vice-President and Comptroller recommend that the contract be terminated.

I concur.

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

#### **REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES**

(20) Following is a report of gifts, grants, and contract funds received by the University during the fiscal year July 1, 1963, through June 30, 1964. This report includes funds from private donors and funds received from governmental agencies and covers all payments received during the fiscal year. A period of several months may elapse between the time an offer is received and accepted and final payment is made, which will account for the listing here of some gifts of funds,



such as for scholarships and fellowships, for the academic year 1963-64, and others for 1964-65.

A number of these grants and gifts were previously reported to the Board when the offers were received, and likewise the Comptroller's monthly reports have included numerous research contracts for which funds had not been received at the time of reporting. These funds are being included here in order to present a complete report of all funds received from outside sources during the fiscal period 1963-64.

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

### Colleges and Schools at Urbana-Champaign

#### *Undergraduate Scholarships*

1. Aerojet-General Corporation, Azusa, California: scholarship in ceramic engineering.....	\$ 500 00
2. The Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships (\$625 each) in ceramic engineering, metallurgical engineering, and mechanical engineering.....	1 875 00
3. Mr. Robert Allerton, Koloa, Kauai, Hawaii: for the Allerton American Traveling Scholarships in architecture.....	1 000 00
4. Allstate Foundation, Skokie: scholarships for extramural classes for driver education teachers conducted by the Division of University Extension.....	2 500 00
5. Alpha Delta Phi, Illinois Chapter: scholarship.....	270 00
6. Alumni Association, University of Illinois: scholarship in music.....	689 00
7. American Air Filter Company, Inc., Herman Nelson Division, Moline: scholarships in mechanical and industrial engineering, 1963-64.....	1 000 00
8. American Society for Metals Foundation for Education and Research, Metals Park, Ohio: scholarship in metallurgical engineering, 1964-65 .....	500 00
9. Archer-Daniels-Midland Foundation, Minneapolis, Minnesota: scholarship in chemistry and chemical engineering.....	500 00
10. Armstrong Cork Company, Lancaster, Pennsylvania: tuition and fees scholarships, 1963-64.....	330 00
11. Barber-Colman Foundation, Rockford: scholarships in engineering, 1963-64 .....	3 347 00
12. Alfred Benesch & Company, Chicago: for the Alfred Benesch & Company Civil Engineering Research Memorial to be used for scholarships in civil engineering.....	2 000 00
13. Campus Chest, University of Illinois: scholarships, 1963-64..	750 00
14. Chemstrand Company, Division of Monsanto Chemical Company, New York, New York: scholarship in chemical engineering.....	500 00
15. Chicago Farmers, Chicago: scholarship for senior in agriculture, academic year 1963-64.....	1 000 00
16. Consolidation Coal Company, Library, Pennsylvania: scholarships, 1963-64 .....	500 00
17. Continental Grain Company, New York, New York: for the Continental Grain Company Scholarship in agriculture, 1963-64.....	2 000 00
18. Corn Products Company, New York, New York: scholarship, 1963-64 .....	600 00
19. Dads Association, University of Illinois: scholarships, 1963-64.....	1 840 00
20. Douglas Aircraft Company, Inc., Santa Monica, California: scholarships in aeronautical, mechanical, or electrical engineering.....	750 00



21. Emhart Manufacturing Co., Hartford, Connecticut: scholarship in ceramic engineering.....	500 00
22. Federal Land Bank of St. Louis, Missouri: renewal of two scholarships (\$500 each) for freshmen in agriculture, 1964-65.	1 000 00
23. First Federal Savings and Loan Association, Champaign: scholarship, 1963-64 .....	500 00
24. Foundry Educational Foundation, Cleveland, Ohio: scholarship in mechanical engineering with special interest in foundry work.....	750 00
25. Galesburg Builders Supply Co., Galesburg: for the Harry M. Gunther Scholarship in engineering.....	500 00
26. Frank E. Gannett Newspaper Foundation, Inc., Rochester, New York: renewal of scholarship in College of Journalism and Communications to be awarded to a junior for use during his senior year.....	500 00
27. General Motors Corporation, Detroit, Michigan: renewal of General Motors College Scholarship Program, 1963-64.....	13 900 00
28. Harbison-Walker Charitable Fund, Inc., Pittsburgh, Pennsylvania: scholarship in ceramic engineering, 1963-64.....	500 00
29. Mr. Joseph Harrington, Wenham, Massachusetts: for the Dunlap Harrington Memorial Scholarship Award.....	50 00
30. Harris Trust & Savings Co., Chicago: for the Dean Thomas Arkle Clark Memorial Scholarship Fund.....	400 00
31. Mrs. Roger S. Hewett, Cambridge, Massachusetts: to the Philip Crane Hewett Memorial Scholarship.....	45 00
32. Home Builders Association of Chicagoland, Oak Brook: establishment of a scholarship in residential development, 1963-64.....	500 00
33. Illinois Association of Insurance Agents, Springfield: for the G. A. Mavon Memorial Scholarship for students who are planning careers in the field of general insurance, 1963-64...	1 000 00
34. Illinois Association of Vocational Agriculture Teachers: for the Herbert R. Damisch Scholarship in agriculture.....	978 00
35. Illinois Congress of Parents and Teachers, Mt. Pulaski: two scholarships, one in any field of teacher training (\$4,500) and one in special education (\$3,000), 1964-65.....	7 500 00
36. Illinois Federation of Women's Clubs, Chicago: scholarship for occupational therapy (\$2,400) and for Latin-American student (\$1,150), 1964-65.....	3 550 00
37. Illinois Mining Institute, Urbana: scholarships in mining engineering, 1963-64 .....	1 250 00
38. Illinois State Federation of Labor and Congress of Industrial Organizations, Chicago: renewal of scholarships, 1964-65....	1 000 00
39. Illinois State Nurseryman's Association, Urbana: to establish the Miles W. Bryant Scholarship for students majoring in ornamental horticulture .....	300 00
40. Junior Women's Advertising Club, Chicago: renewal of scholarship in journalism.....	900 00
41. Kroger Corporation, Cincinnati, Ohio: renewal of Kroger Scholarship Program, 1963-64.....	1 000 00
42. The Magnavox Company, Fort Wayne, Indiana: scholarships, 1963-64.....	3 000 00
43. Midwest Agricultural Chemicals Association, Chipman Chemical Company, Inc., Chicago: scholarship for junior or senior in agriculture, 1964-65.....	200 00
44. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: scholarships in engineering, 1964-65.....	1 000 00
45. Moorman Manufacturing Company, Quincy: scholarships in agriculture, 1963-64 .....	1 500 00
46. National Association of Home Builders Scholarship Foundation, Inc., Washington, D.C.: scholarship for student in curriculum related to home building industry, 1964-65.....	500 00

47. National Association of Home Builders Women's Auxiliary: for the Hope S. Bettilyon Scholarship.....	1 000 00
48. National Secretaries Association, Lake Shore Chapter, Chicago: scholarship, 1963-64.....	350 00
49. National Secretaries Association, Champaign-Urbana Chapter: scholarships, 1964-65.....	150 00
50. Nonacademic Employees Council, University of Illinois, Urbana: scholarship for a son or daughter of a nonacademic employee at Urbana.....	540 00
51. Old Ben Coal Corporation, Chicago: scholarships in mining engineering, 1963-64.....	1 500 00
52. Owens-Corning Fiberglas Corporation, Toledo, Ohio: renewal of scholarships in engineering, 1963-64.....	1 500 00
53. Owens-Illinois, Toledo, Ohio: scholarship in engineering, 1963-64.....	3 010 00
54. Pi Kappa Lambda, University of Illinois: for the Frederic B. Stiven Scholarship in music.....	400 00
55. Presser Foundation, Philadelphia, Pennsylvania: scholarship in music, 1963-64.....	400 00
56. Procon, Incorporated, Des Plaines: scholarship in engineering, 1963-64.....	500 00
57. Production Credit Association, Jacksonville: scholarship in agriculture.....	600 00
58. Ralston Purina Company, St. Louis, Missouri: scholarship in agriculture, 1964-65.....	500 00
59. Mr. and Mrs. Floyd E. Rusher, Peoria: for the John T. Rusher Scholarship.....	1 800 00
60. St. Louis Bank for Cooperatives, St. Louis, Missouri: for the David M. Hardy Scholarship in coop management.....	750 00
61. Scully-Jones and Company, Chicago: scholarship in mechanical and industrial engineering, 1963-64.....	300 00
62. Sears-Roebuck Foundation, Chicago: scholarships in agriculture (\$4,200) and home economics (\$900), 1963-64.....	5 100 00
63. Alfred P. Sloan Foundation, New York, New York: annual stipends for five Alfred P. Sloan National scholars, 1963-64 (\$6,675) and 1964-65 (\$3,500).....	10 175 00
64. A. O. Smith Foundation, Milwaukee, Wisconsin: scholarship in ceramic engineering.....	1 000 00
65. Square D Foundation, Park Ridge: scholarship in engineering, 1963-64.....	450 00
66. Standard Oil Company of California, San Francisco, California: scholarship in chemical engineering, 1963-64.....	750 00
67. Student Organization Executive Board, University of Illinois: scholarships, 1964-65.....	2 500 00
68. Texaco, Inc., New York, New York: scholarships in engineering, 1963-64 and 1964-65.....	2 800 00
69. Trane Corporation, LaCrosse, Wisconsin: scholarship in mechanical engineering.....	1 500 00
70. Union Carbide Educational Fund, New York, New York: scholarships, 1963-64.....	3 000 00
71. Universal Oil Products Company, Des Plaines: scholarship in chemical engineering, 1964-65.....	1 000 00
72. University Club Foundation, Chicago: scholarships, 1963-64 (\$500) and 1964-65 (\$600).....	1 100 00
73. Various donors: scholarships in ceramic engineering.....	1 600 00
Bay State Abrasive Products Company, Westboro, Massachusetts.....	\$ 500 00
B. F. Drakenfield & Co., Inc., New York, New York.....	500 00
Ferro Corporation, Cleveland, Ohio.....	500 00
Bernard Joffe.....	100 00

74. Western Electric Fund, New York, New York: scholarships in engineering, 1963-64.....	1 200 00
75. Witt-Armstrong Equipment Co., Springfield: scholarship in engineering, 1963-64 .....	375 00
76. Zeta Tau Alpha Foundation: for the Shirley K. Strout Scholarship in journalism.....	250 00
<i>Total, Undergraduate Scholarships.....</i>	<i>\$ 111 374 00</i>

*Miscellaneous Awards and Financial Aids to Students*

77. Deeter & Ritchey, Pittsburgh, Pennsylvania: the Fontainebleau award to assist architectural students and student organizations .....	\$ 800 00
78. Eastman Kodak Company, Rochester, New York: for the Eastman Kodak Scientific Award to an outstanding doctoral student in recognition of unusual achievement or progress in graduate studies and research or in teaching.....	1 000 00
79. French Government: to the Department of French to assist outstanding students in their studies of French culture.....	100 00
80. Kivett & Myers & McCullum, Kansas City, Missouri: to the Department of Architecture for a student award.....	100 00
81. Simon, Rettburg & Garrison: for a student award in architecture .....	250 00
82. University Concert and Entertainment Board: from Star Course proceeds for financial aid and scholarships in the School of Music.....	400 00
83. University of Illinois Foundation.....	166 425 39
For student aid.....	\$166 325 39
For student prizes in architecture.....	100 00
84. Various donors: for prizes in architecture.....	700 00
Bradley & Bradley, Inc., Rockford.....	\$ 100 00
Koppers Company, Inc., Pittsburgh, Pennsylvania.....	500 00
University of Illinois Foundation.....	100 00
85. John Wiley & Sons, New York, New York: for the Fred B. Seely Award in engineering mechanics.....	100 00
86. Contributions received by the Dean of Women from numerous donors to the Women's Student Aid Funds.....	7 138 64
<i>Total, Miscellaneous Awards and Financial Aids to Students.....</i>	<i>\$ 177 014 03</i>

*Student Loans*

87. Agricultural Institute, Colorado Springs, Colorado: for the Robert R Hudelson Student Fund.....	\$ 1 068 00
88. Alpha Phi Omega, Champaign: for the Alpha Phi Omega Student Loan Fund.....	425 00
89. American Society for Metals, Sangamon Valley Chapter: for establishment of a loan fund for students in metallurgy.....	300 00
90. Anonymous donor: for the long-term student loan fund.....	1 500 59
91. Campus Chest, University of Illinois: for loans to seniors...	500 00
92. Champaign Kennel Club: for the College of Veterinary Medicine student loan fund.....	150 00
93. Class of 1938: to add to the long-term student loan funds....	650 00
94. Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund.....	500 00
95. National Association of Federal Veterinarians, Alexandria, Virginia: for establishment of an emergency loan fund for students in the College of Veterinary Medicine.....	300 00
96. Panhellenic Council, University of Illinois: establishment of the Panhellenic Loan Fund for sorority women.....	5 800 00
97. The Henry Strong Educational Foundation, Chicago: to add to the long-term student loan funds.....	2 000 00

98. United States Department of Health, Education, and Welfare under the National Defense Education Act: for student loans for all three campuses.....	390 921 00
99. United Student Aid Funds, Incorporated: for long-term student loans .....	5 000 00
100. University of Illinois Student Organizations: to add to the long-term student loan funds.....	1 000 00
101. Various donors: to add to the long-term student loan funds.	35 00
102. Mr. George Vrana: for a student loan fund in memory of Dr. Benjamin Chase Grout, Class of 1905, with preference to premedical students .....	150 00
<i>Total Student Loans</i> .....	\$ 410 299 59

*Funds for Graduate Fellowships and Research*

103. Allied Chemical Corporation, New York, New York: renewal of two fellowships in the Department of Chemistry and Chemical Engineering.....	\$ 6 096 58
104. American Dairy Association, Pure Milk Association, Chicago: for the Arthur H. Lauterbach Memorial Fellowship in food science.....	1 200 00
105. Archer-Daniels-Midland Foundation, Minneapolis, Minnesota: fellowship in chemistry and chemical engineering.....	4 000 00
106. Automotive Safety Foundation, Washington, D.C.: renewal of fellowship in highway engineering, 1963-64.....	2 000 00
107. Bell Telephone Laboratories, Murray Hill, New York: fellowship in physics.....	2 000 00
108. Collins Radio Company, Cedar Rapids, Iowa: renewal of an instructor-fellowship in electrical engineering, 1963-64.....	2 000 00
109. Continental Oil Company, Ponca City, Oklahoma: renewal of fellowship in mathematics, 1964-65.....	3 000 00
110. Douglas Aircraft Company, Inc., Santa Monica, California: fellowship in electrical engineering.....	2 200 00
111. E. I. du Pont de Nemours and Company, Wilmington, Delaware: for the du Pont Postgraduate Teaching Assistantship in chemistry .....	3 400 00
112. Eastman Kodak Co., Rochester, New York: fellowship in chemistry.....	1 000 00
113. The J. F. Ervin Foundation, Ann Arbor, Michigan: establishment of fellowship in the Department of Mining, Metallurgy, and Petroleum Engineering, 1964-65.....	4 000 00
114. Esso Research and Engineering Company, Linden, New Jersey: for extension of fellowship in chemistry, 1963-64..	685 00
115. Ethyl Corporation, Detroit, Michigan: renewal of fellowship in chemistry, 1963-64.....	3 295 00
116. The Firestone Tire and Rubber Company, Akron, Ohio: for the C. S. Marvel Fellowship, 1964-65.....	3 500 00
117. Ford Foundation, New York, New York: fellowships.....	114 033 00
118. General Dynamics Corporation, San Diego, California: renewal of fellowship in physics, 1964-65.....	4 000 00
119. The General Electric Foundation, Ossining, New York: fellowships in physics, electrical engineering, and accounting and finance, 1963-64.....	15 000 00
120. The General Foods Fund, Inc., New York, New York: renewal of fellowships in home economics, 1964-65.....	8 500 00
121. Haloid Xerox Corporation, Rochester, New York: fellowship in solid state physics.....	3 500 00
122. Inland Steel-Ryerson Foundation, Inc., Chicago: renewal of fellowships, 1963-64.....	7 500 00
Department of Mining, Metallurgy, and Petroleum Engineering .....	\$ 3 500 00
Department of Architectural Engineering.....	4 000 00

123. International Business Machines Corporation, Armonk, New York: fellowships, 1964-65.....	5 190 00
124. Jones & Laughlin Steel Corporation, Pittsburgh, Pennsylvania: renewal of fellowship in metallurgical engineering, 1963-64.....	3 200 00
125. Koppers Company, Inc., Monroeville, Pennsylvania: fellowship in chemistry and chemical engineering.....	600 00
126. Lead Industries Association, New York, New York: renewal of fellowship in ceramic engineering, academic year 1963-64.....	3 000 00
127. Lilly Endowment, Inc., Indianapolis, Indiana: fellowships..	33 334 00
Psychology .....	\$ 20 000 00
Committee for the Study of Individual Freedom .....	6 000 00
Organic chemistry .....	7 334 00
128. The Lubrizol Foundation, Cleveland, Ohio: renewal of fellowship in chemistry, 1964-65.....	3 000 00
129. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: fellowships in chemistry (\$7,500) and physics (\$3,750) .....	11 250 00
130. Monsanto Chemical Company, St. Louis, Missouri: renewal of fellowships (\$3,000 each) in chemistry and chemical engineering, 1963-64 .....	6 000 00
131. National Lead Company.....	5 300 00
Titanium Alloy Manufacturing Division, Niagara Falls, New York: fellowship in ceramic engineering, 1964-65 .....	\$ 2 500 00
Baroid Division, Houston, Texas: fellowship in geology .....	2 800 00
132. The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: renewal of fellowships in ceramic engineering, 1963-64 .....	4 000 00
133. Owens-Corning Fiberglas Corporation, Toledo, Ohio: renewal of fellowship in ceramic engineering, 1963-64.....	2 500 00
134. Parke, Davis & Company, Ann Arbor, Michigan: renewal of fellowship in biochemistry, 1963-64.....	3 800 00
135. Phillips Petroleum Company, Bartlesville, Oklahoma: renewal of fellowship in chemistry, 1963-64.....	3 000 00
136. Procter & Gamble Company, Cincinnati, Ohio: renewal of fellowships in chemistry (\$570) and chemical engineering (\$3,475), 1964-65 .....	4 045 00
137. Radio Corporation of America, Princeton, New Jersey: fellowship in electrical engineering.....	3 620 00
138. Raymond Concrete Pile Company, New York, New York: A. E. Cummings Memorial Fellowship in civil engineering, 1963-64.....	2 100 00
139. Raytheon Manufacturing Company, Lexington, Massachusetts: renewal of fellowship in physics, 1963-64.....	2 850 00
140. Roche Anniversary Foundation, Montclair, New Jersey: for the Hoffman-LaRoche Fellowship in organic chemistry, 1964-65.....	12 000 00
141. Rohm & Haas Company, Spring House, Pennsylvania: renewal of fellowship in chemistry, 1963-64.....	3 000 00
142. Shell Fellowship Committee of the Shell Companies Foundation, Inc., New York, New York: renewal of fellowships in chemical engineering (\$2,920) and geology (\$3,220), 1963-64..	6 140 00
143. Sam S. Shubert Foundation, New York, New York: fellowship in playwriting, 1964-65.....	2 500 00
144. Sigma Xi, Illinois Chapter: fellowship, 1964-65.....	500 00
145. Sinclair Oil Corporation Foundation, New York, New York: fellowship in chemistry, 1963-64.....	2 500 00
146. Alfred P. Sloan Foundation, New York, New York.....	10 860 00

	Fellowship for first-year graduate students in engineering, 1964-65 .....	\$ 7 860 00
	Supplementary grant for above fellowships.....	3 000 00
147.	Socony Mobil Oil Company, Inc., New York, New York: fellowship in chemistry, 1963-64.....	3 270 00
148.	Sprague Electric Company, North Adams, Massachusetts: renewal of fellowship in solid state physics, 1963-64.....	3 500 00
149.	Standard Oil Company of California, San Francisco, California: fellowship in chemistry, 1963-64.....	3 020 00
150.	Sun Oil Company, Philadelphia, Pennsylvania: fellowships in chemistry and chemical engineering (\$4,075 each), 1963-64	8 150 00
151.	Supervised Investors Service Inc. (formerly Television Shares Management Corporation), Chicago: renewal of fellowship to promote the development of new teachers in electronics, 1963-64 .....	2 000 00
152.	Texas Instruments Incorporated, Dallas, Texas: fellowship in physics, 1963-64.....	2 666 00
153.	Toni Company, Division of the Gillette Company, Chicago: fellowship in chemistry, 1963-64.....	4 000 00
154.	Mr. Max O. Uhrbahn, New York, New York: establishment of the Max O. Uhrbahn Graduate Fellowship in architecture for study in architectural design.....	3 270 00
155.	Union Carbide Corporation.....	8 290 00
	Chemical Industries Council: fellowship in chemistry.....	\$ 1 500 00
	Union Carbide Chemicals Corporation, South Charleston, West Virginia: fellowship in chemistry, 1963-64 .....	3 720 00
	Visking Company, Chicago: fellowship in mechanical engineering, 1963-64.....	3 070 00
156.	United States Rubber Company Foundation, New York, New York: fellowships in chemistry, 1963-64.....	2 400 00
157.	United States Steel Foundation, Inc., New York, New York: fellowship in physics, 1963-64 and 1964-65.....	7 200 00
158.	Various donors: fellowships in the Jane Addams Graduate School of Social Work.....	12 665 00
159.	H. W. Wilson Foundation: fellowships in library science..	1 000 00
160.	Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: fellowships.....	28 845 00
161.	Zeta Phi Eta, University of Illinois: fellowship in speech..	615 00
162.	Abbott Laboratories, North Chicago.....	12 400 00
	To the Radiocarbon Laboratory for research....\$	2 400 00
	To the Department of Physiology and Biophysics for a study of animal gastro-intestinal tract .....	5 000 00
	To the Department of Veterinary Pathology and Hygiene for a study of the activation of shipping fever.....	5 000 00
163.	American Cancer Society, New York, New York: to the Department of Microbiology for studies of animal viruses and virus controlled cellular particles.....	11 916 00
164.	American Chemical Society, Washington, D.C.....	23 740 00
	To the Department of Chemistry and Chemical Engineering for studies of:	
	Cope rearrangement of strained hydrocarbons...\$	1 500 00
	Ferrocene derivatives .....	8 000 00
	Research .....	8 000 00
	To the Department of Mining, Metallurgy, and Petroleum Engineering for a study of surface phenomena in phase contacting.....	6 240 00



165. American Cyanamid Company.....	10 500 00
Wayne, New Jersey: Cyanamid Faculty Research Grant in the Department of Chemistry and Chemical Engineering, 1964.....\$	3 000 00
New York, New York: to the Department of Economic Entomology, State Natural History Survey, for a study of systemic insecticides for control of insects on wheat.....	1 500 00
Lederle Laboratories, Pearl River, New York: to the Department of Physiology and Biophysics for studies on the effects of drugs on the electrical potentials of the deganglionated intestine....	4 000 00
Lederle Laboratories, Pearl River, New York: to the Department of Chemistry and Chemical Engineering for antibiotic studies.....	2 000 00
166. American Dairy Association, Chicago: to the Department of Food Science for a cooperative study on the effect of sterilization on the stability of cream of different compositions...	8 000 00
167. American Heart Association and Chicago Heart Association, Chicago: to the Department of Food Science for a study of B-lipoprotein liability.....	9 900 00
168. American Iron and Steel Institute, New York, New York: to the Department of Civil Engineering for investigation of continuous reinforced concrete beams failing in sheet beam configuration .....	7 500 00
169. American Library Association: for research in reading interests and habits of college graduates.....	480 00
170. American Orchid Society, Inc., Cambridge, Massachusetts: to the Department of Plant Pathology for research on orchid virus .....	2 000 00
171. American Society of Heating, Refrigeration and Air Conditioning Engineers, Inc., New York, New York: to the Department of Mechanical and Industrial Engineering for research.....	15 475 00
Selection and application of air measuring devices .....	\$ 5 550 00
Steam and condensate flow in pipes.....	5 200 00
Safety with water systems.....	4 725 00
172. American Steel and Wire Company, Division of United States Steel Corporation, Cleveland, Ohio: to the Department of Theoretical and Applied Mechanics for a study of behavior of deformed wire fabric in concrete.....	5 000 00
173. Amsted Industries, Inc., Chicago.....	37 000 00
To the Department of Ceramic Engineering for a study of steel casting refractories.....\$	36 000 00
To the Department of Mechanical and Industrial Engineering for research in the field of cast metals education .....	1 000 00
174. Archer-Daniels-Midland Foundation, Minneapolis, Minnesota: to the Department of Food Science for studies on fats and oils.....	750 00
175. Association of American Railroads, Washington, D.C., and American Iron and Steel Institute, New York, New York: to the Department of Theoretical and Applied Mechanics for a study of the cause of failure in railroad rails in service..	9 750 00
176. Association of Iron and Steel Engineers: to the Department of Theoretical and Applied Mechanics for a study of the shelling of crane wheels.....	20 000 00
177. Avnet-Shaw Corporation: to the Department of Ceramic Engineering for studies of ceramic metal reactions.....	6 550 00



178. Babcock & Wilcox Co., New York, New York: to the Department of Theoretical and Applied Mechanics for a basic study in photothermoelasticity.....	2 600 00
179. Battle Creek Equipment Co.: to the Department of Physical Education for Men for physical fitness measures.....	600 00
180. Minera Bayovar S. A., Palo Alto, California: to the Department of Agronomy for support of a work plan to compare Peruvian, Tunisian, and Florida sources of rock phosphate with treble superphosphate.....	500 00
181. The Bear Hybrid Corn Co., Inc., Decatur: to the Department of Agronomy for corn research.....	2 500 00
182. Bell Telephone Laboratories, Murray Hill, New York: to the Department of Electrical Engineering for support of research programs of a Bell Telephone Laboratories employee and a Fellow in Electrical Engineering.....	4 000 00
183. Bendix Corporation, South Bend, Indiana.....	5 035 00
To the Department of Ceramic Engineering for a study of thermal diffusivity and elastic moduli of ceramic-metal combinations at elevated temperatures.....	\$ 3 035 00
To the Department of Physics for renewal of research in solid state physics—the properties of crystals .....	2 000 00
184. Carle Foundation, Urbana: to the Department of Physiology and Biophysics for research.....	2 977 47
Correction of cardiac digitalis overdose.....	\$ 1 000 00
Water soluble opaque media.....	1 977 47
185. The Chamber of Commerce of Metropolitan St. Louis, Missouri: to the Department of Agricultural Economics for studies on analysis of projected livestock production and marketing in the St. Louis and East St. Louis market area...	5 000 00
186. Chemagro Corporation, Kansas City, Missouri.....	900 00
To the Department of Horticulture for turf research.....	\$ 400 00
To the Department of Plant Pathology for studies on nematocides.....	500 00
187. Chicago Bridge and Iron Foundation, Chicago: to the Department of Civil Engineering for an assistantship in structural engineering .....	3 500 00
188. Chicago Copper & Chemical Co., Blue Island: to the Department of Ceramic Engineering for a study of barium titanate processing .....	2 500 00
189. Chipman Chemical Co., Inc., Bound Brook, New Jersey: to the Department of Plant Pathology for a research program on fungicides .....	750 00
190. Cities Service, Chicago: to the Department of Civil Engineering for a study of the properties of sand.....	131 19
191. Columbia University: to the Department of Chemistry and Chemical Engineering for research in physical chemistry....	787 12
192. Commercial Solvents Corporation, Terre Haute, Indiana: to the Department of Animal Science for studies on Vitamin A in the rumen.....	3 000 00
193. Continental Can Company, New York, New York: to the College of Engineering to develop closer student-faculty relations .....	500 00
194. Corn Industries Research Foundation, Inc., Washington, D.C.: to the Department of Agronomy for a study of breeding and genetics of high corn oil.....	23 542 00

195. Council on Economic and Cultural Affairs (recently renamed the Agricultural Development Council): to the Department of Agricultural Economics for a study of the agricultural and economic development of Japan with a view toward the possibility of a longer range study on some of the factors in development of Japan.....	8 380 00
196. Crop Hail Insurance Actuarial Association, Urbana: to the State Water Survey for renewal of a study of factors producing hail storms in Illinois.....	9 000 00
197. Diamond Alkali Co., Cleveland, Ohio: to the Department of Plant Pathology for studies of fruit fungicides.....	750 00
198. E. I. du Pont de Nemours & Company, Wilmington, Delaware .....	33 000 00
To the Departments of Chemistry and Chemical Engineering (\$15,000 and \$5,000 respectively) and of Physics (\$5,000) for research.....	\$ 25 000 00
To the Department of Agronomy for studies on weed control .....	1 500 00
To the Health Service for supervision of influenza antivirus .....	6 500 00
199. Eastman Kodak Company, Rochester, New York: renewal of Eastman Kodak Research Grant in physics, 1964-65.....	11 500 00
200. Edison Electric Institute: to the Small Homes Council-Building Research Council for a study of electric heating..	34 500 00
201. Engineering Foundation, United Engineering Trustees, Inc., New York, New York: to the Department of Civil Engineering for studies of structural joints—riveted and bolted..	11 500 00
202. Esso Research and Engineering Company, Linden, New Jersey: for graduate research and training in the field of chemistry.....	3 500 00
203. The Explorers Club, New York, New York: to the Department of Zoology for field studies on salamanders and frogs in Oaxaca and Veracruz, Mexico, by graduate students.....	125 00
204. FMC Corporation, Niagara Chemical Division, Middleport, New York: to the Department of Plant Pathology for studies in fruit fungicides.....	500 00
205. Ford Foundation: to Bureau of Economic and Business Research for research in economics and marketing.....	10 000 00
206. Ford Motor Company, Dearborn, Michigan: to the Department of Animal Science for research in beef cattle nutrition.	2 000 00
207. Foundry Educational Foundation, Cleveland, Ohio: fundamental research as educational assistance to students interested in the cast metals field.....	250 00
208. FS Services, Inc., Bloomington (formerly Illinois Farm Supply Company) .....	7 400 00
To the Department of Agricultural Engineering for studies on tractor maintenance.....	\$ 5 000 00
To the Department of Animal Science for studies in swine and poultry nutrition.....	1 800 00
To the Department of Dairy Science for studies in dairy cattle feeding and nutrition.....	600 00
209. General Dynamics Corporation, Material Service Division, Chicago: to the Department of Horticulture for studies of calcined-clay soil additives.....	1 000 00
210. The General Electric Foundation, Ossining, New York: graduate research in mathematics and statistics.....	5 000 00
211. W. R. Grace & Co., Division of Davison Chemical Company, Baltimore, Maryland: to the Department of Ceramic Engineering for research on ultra-fine ceramic particles.....	20 000 00
212. Graham Foundation for Advanced Studies in the Fine Arts: to the Department of Architecture for the development of the lake front in Chicago.....	1 000 00

213. Mr. G. G. Graham: for general research in veterinary medicine.....	1 789 49
214. Griffin Wheel Company, Chicago: to the Department of Theoretical and Applied Mechanics for studies on improvement of cast steel railway car wheels.....	14 787 69
215. Hammond Lead Products, Inc.; to the Department of Ceramic Engineering for research on the reaction of kinetic ceramics.....	1 250 00
216. Gertrude Hendrix, Champaign: to University High School for studies on non-verbal awareness.....	4 75
217. Hercules Powder Company, Inc., Wilmington, Delaware: to the Department of Agronomy for research on herbicides....	600 00
218. Heritage House Products, Inc., Bristol: to the Department of Agronomy for research in seed physiology.....	1 000 00
219. Hoffman-LaRoche, Inc., Nutley, New Jersey: to the Department of Animal Science for a study of factors influencing the Vitamin E nutrition of cattle, sheep, and laboratory animals.....	3 000 00
220. Hynite Corporation: to the Department of Animal Science for studies on amino acids in swine.....	2 000 00
221. Illinois Agricultural Association: to the Department of Vocational Agriculture for research on education relating to cooperative organizations in rural areas.....	2 250 00
222. Illinois Archaeological Survey: to the Department of Anthropology for the highway salvage program.....	2 816 85
223. Illinois Foundation Seeds, Inc.....	10 000 00
To the Department of Agronomy for corn research projects .....	\$ 7 500 00
To the Department of Plant Pathology for corn research projects .....	2 500 00
224. Illinois Heart Association: to the Department of Food Science for a study of the relationship of dietary components to cholesterol metabolism.....	11 734 00
225. Illinois Turf Grass Foundation, Inc., Champaign: to the Department of Horticulture for turf research.....	1 000 00
226. Institute of Boiler and Radiator Manufacturers, New York, New York: to the Department of Mechanical and Industrial Engineering for studies of steam and water heating.....	36 540 00
227. International Business Machines Corporation, Poughkeepsie, New York: to the Digital Computer Laboratory for support of computer oriented education.....	25 000 00
(This is the second installment of a total grant of \$125,000 reported to the Board on February 21, 1962.)	
228. International Minerals & Chemical Corporation, Chicago... To the Department of Animal Science for studies on the role of amino acids in swine nutrition....\$	4 000 00
To the Department of Agronomy for research on plant growth regulation.....	3 500 00
229. Joseph P. Kennedy Foundation and Professor Samuel A. Kirk: to the Institute for Research on Exceptional Children, through the University of Illinois Foundation, for research on mental retardation.....	4 000 00
(In December, 1962, Dr. Samuel A. Kirk, Director of the Institute for Research on Exceptional Children and Chairman of the Department of Special Education, received an international award from the Joseph P. Kennedy Foundation in recognition of his work on mentally retarded children. In September, 1963, Dr. Kirk turned over to the University of Illinois Foundation part of his award, to be given to the Institute in annual increments of \$4,000 for his research work.)	

230.	Charles F. Kettering Foundation, Hinsdale: for the C. F. Kettering Foundation Visiting Professorship in chemistry..	10 000 00
231.	Krim-Ko Corporation, Bensenville: to the Department of Food Science for research on the application of soluble chocolate flavor to ice cream mix.....	1 000 00
232.	Eli Lilly and Company, Indianapolis, Indiana.....	6 000 00
	To the Department of Animal Science for studies on the mammary transfer of iron in the lactating sow .....	\$ 1 000 00
	To the Department of Zoology for research on parasitic helminth immunity and mosquito serology.....	5 000 00
233.	Lilly Endowment, Inc., Indianapolis, Indiana: to the Department of Economics for research in the study of individual freedom.....	34 000 00
234.	The Magnavox Company, Fort Wayne, Indiana: to the Department of Electrical Engineering and the School of Music for a study of electrically-generated sounds.....	5 610 00
235.	Malting Barley Improvement Association, Milwaukee, Wisconsin: to the Department of Agronomy for studies on barley improvement .....	345 00
236.	McGraw Wildlife Foundation, Dundee: to the Department of Zoology for tolerance studies on tilapia fishes.....	450 00
237.	Merck, Sharpe & Dohme Research Laboratories, Merck & Co., Inc., Rahway, New Jersey: to the Department of Animal Science for research.....	5 000 00
	Studies on growth stimulants for swine.....	\$ 3 000 00
	Studies on animal nutrition.....	2 000 00
238.	Walter E. Meyer Research Institute of Law, Inc.: to the College of Law.....	42 145 00
	Research on arbitration of labor disputes.....	\$ 25 000 00
	Survey of lawyers to determine conditions of the practice of law in a medium-size Illinois community .....	17 145 00
239.	Midwest Agricultural Limestone Institute, East St. Louis: to the Department of Agronomy for studies on soil management .....	500 00
240.	Mrs. C. Philip Miller, Chicago: for the Smississippi Forest Trust Fund in support of forestry research.....	4 316 42
241.	Monsanto Chemical Co., St. Louis, Missouri: to the Department of Agronomy for studies of the herbicidal action of chemical compounds .....	2 000 00
242.	Moorman Manufacturing Co., Quincy: to the Department of Animal Science for research.....	5 200 00
	Poultry nutrition .....	\$ 2 600 00
	Nutritional quality of pig starter rations.....	2 600 00
243.	Mark L. Morris Animal Foundation, Denver, Colorado.....	5 011 25
	To the Department of Veterinary Clinical Medicine for a study of feline hemobartonellosis.....	\$ 4 111 25
	To the Department of Veterinary Physiology and Pharmacology for a study of piroplasmosis in intact and splenectomized dog.....	900 00
244.	National Academy of Sciences, Washington, D.C.: to the Department of Physics for research.....	16 245 16
245.	National Association of Horseradish Packers, Eau Claire, Wisconsin: to the Department of Horticulture for studies on horseradish .....	250 00
246.	National Council of Legal Clinics, National Legal Aid & Defender Association, New York, New York: to the College of Law for studies on professional responsibility.....	12 600 00
247.	National Lime Association, Washington, D.C.: to the Department of Geology for a study of lime use for stabilization of earth roads.....	21 762 50

248. National Livestock and Meat Board, Chicago.....	14 382 50
To the Department of Animal Science for a study of a new technique to ascertain the effect of nutritional and genetic factors upon the tissue content of live animals, including man.....\$	5 882 50
To the Department of Food Science for studies of the biological utilization of fatty acid isomers.	8 500 00
249. National Roofing Contractors Association, Chicago: to the Small Homes Council-Building Research Council for studies of roofing failures.....	3 500 00
250. National Sand and Gravel Association: to the Department of Urban Planning and Landscape Architecture for conducting an investigation on site development problems relating to locating, operating, and rehabilitating sand and gravel pit operations, including planning and pre-planning procedures, restoration methods, and determination of appropriate interim or permanent re-use potentials of sites so used.....	6 500 00
251. National Soybean Processors Association, Chicago: to the Department of Agronomy for studies of the ecological studies of soybeans.....	3 500 00
252. National Steel Corporation, Weirton, West Virginia: to the Department of Civil Engineering for evaluation of fatigue behavior of welded joints in N-A-Xtra high strength steels..	7 000 00
253. National Vitamin Foundation, Inc., New York, New York: to the Department of Animal Science for studies of nutritional diabetes and biotin deficiency.....	5 000 00
254. 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.....	15 048 00
255. Northern and Southern Illinois Breeding Associations: to the Department of Dairy Science for studies of artificial breeding.....	5 095 75
256. Ohmite Manufacturing Company, Skokie: to the Department of Ceramic Engineering for research on ceramic resistors...	1 000 00
257. Olin Mathieson Chemical Corporation, New York, New York: to the Department of Mechanical and Industrial Engineering for employment of a student in engineering to assist a professor conducting research for a ten-week summer employment program, 1963-64 and 1964-65.....	2 000 00
258. Pennsalt Chemicals Corporation, Aurora: to the Department of Plant Pathology for fruit research.....	500 00
259. Charles Pfizer & Co., Inc., New York, New York: to the Department of Animal Science for studies of factors in swine nutrition .....	2 000 00
260. Pillsbury Co., Minneapolis, Minnesota: to the Department of Food Science for studies of the effect of water activity characteristics of flour on performance of cake mixes.....	5 900 00
261. Resources for the Future, Inc., Washington, D.C.: to the Bureau of Community Planning for an urban and regional survey.....	300 00
262. Rohm and Haas Co., Philadelphia, Pennsylvania.....	1 050 00
To the Department of Horticulture for turf research.....\$	300 00
To the Department of Plant Pathology for studies of fungicides.....	750 00
263. Shell Chemical Corporation, Agricultural Chemicals Division, New York, New York: to the State Natural History Survey for the renewal of studies of chlorinated hydrocarbon compounds as insecticides.....	2 500 00

264. Shell Development Company, Modesto, California.....	1 550 00
To the Department of Plant Pathology for studies in fungicide evaluations.....\$	750 00
To the State Natural History Survey for a study of the ecology and control of insects on truck crops .....	800 00
265. Alfred P. Sloan Foundation, New York, New York: to the Department of Chemistry and Chemical Engineering for research.....	39 210 00
266. A. O. Smith Corporation, Milwaukee, Wisconsin: to the Department of Animal Science for studies on carcass evaluation .....	3 775 00
267. Smith-Douglas Co., Inc., Norfolk, Virginia: to the Department of Animal Science for studies on amino acids.....	2 000 00
268. Socony Mobil Oil Company, Inc., Princeton, New Jersey: to the Department of Chemistry and Chemical Engineering for studies of metal coordination complexes.....	4 000 00
269. Sod Growers Association of Illinois, Champaign: to the Department of Plant Pathology for studies on diseases of turf grasses .....	2 000 00
270. Soft Phosphate Research Institute, Inc., Ocala, Florida: to the Department of Animal Science for a study of factors affecting phosphate utilization.....	2 000 00
271. Sonic Research Foundation, Chicago: to the Department of Electrical Engineering for acoustics research.....	1 000 00
272. Special Dairy Research Board: to the Department of Food Science for a study of the influence of the major fatty acids in milk fat on serum cholesterol levels.....	20 500 00
273. State University of Iowa, Iowa City, Iowa: to the Department of Electrical Engineering for the ultrasonic research project .....	5 732 64
274. Tee-Pak Foundation, Chicago: to the Department of Food Science for studies of various types of films as retardants to deterioration of meat and meat products.....	4 300 00
275. Union Carbide Corporation, Chemicals Division: to the Department of Agronomy for studies on pesticides.....	750 00
276. United Cerebral Palsy Research and Educational Foundation, Inc., New York, New York.....	21 588 50
To the Institute for Research on Exceptional Children for research on diagnosis and remedy of psycholinguistic disabilities.....\$	8 088 50
To the Department of Electrical Engineering for ultrasonic research .....	13 500 00
(This is a continuation of the grant originally carried out with the State University of Iowa. The grant has now been transferred here.)	
277. University of Arizona, Tucson, Arizona: to the Department of Chemistry and Chemical Engineering for research.....	4 797 59
278. University of Illinois Foundation.....	7 148 66
To the Department of Anthropology for the Grand Detour Project.....\$	1 648 66
To the Department of Food Science for research at the Burnsidess Research Laboratory.....	5 500 00
279. University of Michigan: to the Department of Political Science through a grant from the Carnegie Foundation for studies on international conflicts.....	1 500 00
280. The Upjohn Company, Kalamazoo, Michigan: to the Radio-carbon Laboratory for studies on radioactive hydrogen in organic chemistry .....	2 000 00
281. Various donors: to the Department of Food Science for research at the Burnsidess Research Laboratory.....	2 000 00
American Tansul Co., Las Vegas, Nevada.....\$	750 00



	The Inerto Company, Las Vegas, Nevada.....	250 00
	Northwestern Malt and Grain Co., Minneapolis, Minnesota.....	1 000 00
282.	Various donors: to the Department of Agricultural Engi- neering for studies on the development of equipment for the more effective application of soil fungicides.....	2 375 00
	Chemagro Corporation, Kansas City, Missouri...\$	800 00
	FMC Corporation, Middleport, New York.....	575 00
	The Upjohn Company, Kalamazoo, Michigan....	1 000 00
283.	Various donors: to the Department of Civil Engineering for studies of lime pozzolan mixtures and lime stabilization of soils.....	4 394 54
	Kuhne-Simmons Co., Champaign.....\$	200 00
	Michael J. McDermott, Chicago.....	100 00
	Philadelphia Electric Company, Philadelphia, Pennsylvania.....	2 000 00
	University of Illinois Foundation.....	2 094 54
284.	Various donors: to the Department of Physiology and Bio- physics for a study of animal gastro-intestinal tract.....	5 000 00
	Abbott Laboratories, Chicago.....\$	1 000 00
	CIBA Pharmaceutical Products, Inc., Summit, New Jersey.....	4 000 00
285.	Various donors: to the Department of Theoretical and Ap- plied Mechanics for research on fatigue of hard steels.....	15 000 00
	LaSalle Steel Co.....\$	5 000 00
	United States Steel Corporation, Pittsburgh, Pennsylvania.....	5 000 00
	Caterpillar Tractor Co.....	5 000 00
286.	Various donors: to the Department of Geology for temper- ature work with x-rays.....	1 000 00
	The Gibsonburg Lime Products.....\$	600 00
	Marblehead Lime Co.....	400 00
287.	Velsicol Chemical Corporation, Chicago: to the Department of Zoology for research on toxicology of insecticides.....	2 935 00
288.	VioBin Corporation, Monticello.....	5 100 00
	To the Department of Animal Science for a study of fish meal and fish meal products in swine nutrition.....\$	1 500 00
	To the Department of Physical Education for Men for studies of the influence of wheat germ oil on physical fitness tests.....	3 600 00
289.	Washington University, St. Louis, Missouri: to the Institute of Labor and Industrial Relations for a study of public and private job placement for middle aged and older workers....	6 721 26
290.	Welding Research Council, United Engineering Trustees, Inc., New York, New York: to the Department of Civil Engineering for studies on welding procedure.....	12 000 00
291.	Wenner-Green Foundation for Anthropological Research, Inc., New York, New York: to the Department of Electrical Engineering for anthropological research.....	500 00
292.	Yale University, New Haven, Connecticut: to the Depart- ment of Psychology for research in psychiatry.....	17 024 00

*Total, Funds for Graduate Fellowships and Research...*\$ 1 393 964 91

*Funds for Educational, Research, Cultural, and Recreational  
Purposes Not Otherwise Classified*

293.	American Mathematical Society, Providence, Rhode Island: to the Department of Mathematics for support of the Jour- nal of Mathematics.....\$	1 350 00
294.	The Babcock and Wilcox Company, New York, New York: to the College of Engineering, unrestricted gift for engineer- ing and technical education.....	4 000 00



295. Board of Trade, City of Chicago: to the Library for purchase of books in the field of grain marketing and policy....	1 000 00
296. Chemstrand Company, Division of Monsanto Chemical Company, New York, New York: an unrestricted grant to the Department of Chemistry and Chemical Engineering....	500 00
297. Dearborn Chemical Company: royalty payment on Larson Lane patent .....	5 538 75
298. Diamond Alkali Company, Cleveland, Ohio: unrestricted grant to the Department of Chemistry and Chemical Engineering.....	500 00
299. E. I. du Pont de Nemours and Company, Wilmington, Delaware: unrestricted grant to the Department of Botany.....	500 00
300. Engineering Foundation, United Engineering Trustees, Inc., New York, New York: to the Department of Civil Engineering for reimbursement of expenditures incurred in connection with services as Chairman of the Column Research Council.....	6 000 00
301. Ford Motor Company, Dearborn, Michigan: to the Department of Mechanical and Industrial Engineering for development of laboratory facilities.....	2 100 00
302. Gem City Vineland Co., Inc., Nauvoo: to the Department of Plant Pathology for leasing of an orchard sprayer.....	500 00
303. Gulf Oil Corporation, Pittsburgh, Pennsylvania: unrestricted grant in chemical engineering.....	1 000 00
304. Illinois Foundation FFA, Springfield: for the public information project for Vocational Agriculture, including the FFA .....	3 000 00
305. Inorganic Synthesis, Inc., Kenmore, New York: to the Department of Chemistry and Chemical Engineering for services in editing "Inorganic Synthesis, Volume I" .....	1 000 00
306. Institute of Life Insurance, New York, New York: to the College of Education for a summer workshop on education in family finance.....	2 500 00
307. Inter-University Committee on Travel Grants, Indiana University, Bloomington, Indiana: travel expenses for members of the faculty in connection with their participation in the program of exchange of graduate students and young faculty members with the Soviet Union.....	8 120 00
308. Iowa State University, Ames, Iowa: unrestricted grant to the Department of Chemistry and Chemical Engineering....	4 941 01
309. Jersey Production Research Company, Tulsa, Oklahoma: unrestricted grant to the Department of Electrical Engineering.	1 000 00
310. Library School Institute: to the Graduate School of Library Science, income from royalties.....	1 577 70
311. Marathon Oil Foundation, Littleton, Colorado: unrestricted gift to the Department of Chemistry and Chemical Engineering.....	1 000 00
312. The Mead Corporation Foundation, Dayton, Ohio: unrestricted grant to the Departments of Mechanical and Industrial Engineering and Chemistry and Chemical Engineering (\$250 each).....	500 00
313. Monsanto Chemical Company, St. Louis, Missouri: an unrestricted grant to the Department of Geology.....	2 000 00
314. Pittsburgh Plate Glass Foundation, Barberton, Ohio: unrestricted grant in chemical engineering.....	1 000 00
315. Procter & Gamble Company, Cincinnati, Ohio: to the State Water Survey, royalty payment on W. J. Roberts patent....	11 250 00
316. Purdue Research Foundation, Lafayette, Indiana: to the Office of Instructional Television..... (The University of Illinois is one of twenty colleges and universities serving as resource institutions for the Midwest	4 739 01

Program on Airborne Television instruction. Funds received are for salaries, travel, and office expense incurred in assisting the public schools in eastern Illinois to receive, use, and evaluate these experimental programs.)	
317. Readers Digest Foundation, Pleasantville, New York: to the College of Journalism and Communications for the "Readers Digest Research-Travel Fund" to broaden the scope of student instruction by making possible allocations for travel to out-of-town areas for newspaper reporting or magazine writing experience .....	1 000 00
318. The Rockefeller Foundation, New York, New York: travel funds to enable selected graduates of Uttar Pradesh Agricultural University in India to come to the University of Illinois for graduate study, 1963-64.....	7 500 00
319. Sperry and Hutchinson Foundation: for a program of lectures sponsored by the College of Law, Department of Political Science, and Institute of Labor and Industrial Relations.....	2 000 00
320. Standard Oil Company of California, San Francisco, California: unrestricted grant to the Department of Chemistry and Chemical Engineering.....	1 000 00
321. Mr. John Wesley Swanson: to the Krannert Art Museum for purchase of an art object.....	150 00
322. Universal Oil Products Company, Des Plaines: unrestricted grant in chemical engineering.....	500 00
323. University of Illinois Foundation.....	17 966 87
To the Division of Rehabilitation-Education Services for equipment for the Physical Therapy Clinic .....	\$ 100 00
For travel expenses of the Pershing Rifle drill team to Washington, D.C., for participation in the Cherry Blossom Festival.....	500 00
To the Illini Forensic Association, a student social organization, to help in the expenses of debating trips .....	200 00
To the Department of Chemistry and Chemical Engineering for the preparation of a history of the Department over the last ten years.....	5 966 87
To the James Webb Young Fund for education in advertising .....	11 200 00
324. The Upjohn Company, Kalamazoo, Michigan: to the Department of Chemistry and Chemical Engineering for purchase of a spectrophotometer.....	2 000 00
325. Various donors: to the Department of Agricultural Engineering for studies on rural electrification.....	15 330 00
Association of Illinois Electric Cooperatives, Springfield.....	\$ 7 000 00
Central Illinois Electric & Gas Company, Rockford.....	425 00
Central Illinois Light Company, Peoria.....	550 00
Central Illinois Public Service Company, Springfield.....	1 250 00
Commonwealth Edison Co., Dixon.....	3 500 00
Illinois Power Company, Decatur.....	2 450 00
Interstate Power Company, Savanna.....	52 00
Mt. Carmel Public Utility Co., Mt. Carmel.....	60 00
Union Electric Company, St. Louis, Missouri.....	43 00
326. Various donors: to the College of Agriculture for Urban 4-H Club work.....	4 000 00
Chicago 4-H Association.....	\$ 3 000 00
Forest Preserve District of Cook County.....	1 000 00

327.	Various donors: to the Department of Mechanical and Industrial Engineering for the Air Conditioning and Refrigeration Fund .....	1 800 00
	Carrier Air Conditioning Company, Syracuse, New York .....	\$ 400 00
	McGraw-Edison Company, Albion, Michigan....	500 00
	Sporlan Valve Company, St. Louis, Missouri....	500 00
	The Trane Company, LaCrosse, Wisconsin.....	400 00
328.	Various donors: to the Department of General Engineering for the Junior Engineering Technical Society.....	2 048 75
	Barber-Greene Foundation .....	\$ 100 00
	Caterpillar Tractor Co.....	125 00
	John Deere Foundation.....	500 00
	Illinois Bell Telephone Company.....	500 00
	Illinois Society of Professional Engineers.....	48 75
	Inland Steel-Ryerson Foundation.....	250 00
	International Harvester Co.....	250 00
	Outboard Marine Corp.....	100 00
	Illinois Society of Professional Engineers (Peoria Chapter) .....	125 00
	Illinois Society of Professional Engineers (Salt Creek Chapter) .....	50 00
329.	Various donors: to the Foreign Student Affairs Office for foreign student activities.....	453 09
	National Association for Foreign Student Affairs \$	203 09
	Saudi-Arabian Educational Fund.....	100 00
	University of Illinois Student Organizations....	150 00
330.	Various donors: to the Jane Addams Graduate School of Social Work, an unrestricted grant.....	434 82
	Sandra Brunke .....	\$ 50 00
	Chicago Group Work.....	384 82
331.	Various donors: to the Department of Architecture for a project by graduate students to decide the most effective plan for the construction and improvement of streets in Columbus, Indiana .....	4 000 00
	Cummins Engine Foundation, Columbus, Indiana \$	2 200 00
	Hamilton Foundation, Columbus, Indiana.....	500 00
	Irwin Union Bank and Trust, Columbus, Indiana.	500 00
	Irwin-Sweeney-Miller Foundation, Columbus, Indiana.....	400 00
	Union Starch and Refining Foundation, Columbus, Indiana .....	400 00
332.	Various donors: for the International Accountancy Center..	3 039 59
	Amsted Industries .....	\$ 250 00
	John A. Bedenbaugh.....	1 00
	Haskins and Sells.....	1 00
	W. S. Heinman.....	1 00
	Marie and Sam Nadler.....	1 00
	A. N. Mosich.....	5 00
	University of Illinois Foundation.....	2 700 59
<i>Total, Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified....</i>		<i>\$ 128 839 59</i>

#### *Educational Grants Fund*

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

333. The Alcoa Foundation, Pittsburgh, Pennsylvania.....	\$	375 00
334. The Budd Company, Detroit, Michigan.....		800 00
335. Carle C. Conway Scholarship Foundation, New York, New York.....		175 00
336. Creole Foundation, New York, New York.....		500 00
337. Mr. Karl Gschneider, Jr., Ames, Iowa.....		170 59
338. The Hunt Foundation, Pittsburgh, Pennsylvania.....		125 00
339. International Business Machines Corporation, Yorktown Heights, New York.....		5 000 00
340. The Maytag Company Foundation, Inc., Newton, Iowa.....		500 00
341. The Ohio Fuel Gas Company, Columbus, Ohio.....		300 00
342. Owens-Illinois Glass Company, Toledo, Ohio.....		1 360 00
343. Radio Corporation of America, New York, New York.....		1 000 00
344. The Rockefeller Foundation, New York, New York.....		8 000 00
345. Lt. Col. Robert D. Shaffer, U.S.M.C. (Ret.), Salt Lake City, Utah.....		15 00
346. Time, Incorporated, New York, New York.....		36 00
347. Underwriters Laboratories, Inc., Chicago.....		550 00
348. Hiram Walker-Gooderham & Worts Limited, Walkerville, Ontario, Canada.....		700 00
The following contributions were received from sponsors of National Merit Scholarships in recognition of National Merit Scholars enrolled at the University of Illinois but were unrestricted and have been deposited in the Educational Grants Fund:		
349. The Glidden Company, Cleveland, Ohio.....	\$	100 00
350. National Distillers and Chemical Corporation, New York, New York.....		600 00
351. National Merit Scholarship Corporation, Evanston.....		750 00
352. Northern Illinois Gas Company, Aurora.....		200 00
353. Swift & Company Foundation, Chicago.....		50 00
Total, Educational Grants Fund.....	\$	21 306 59

*Contributions from County Farm and Home Bureaus*

354. To the Extension Service in Agriculture and Home Economics for partial payment of salaries and operating expenses of farm and home advisers.....	\$	1 095 159 28
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*Gifts for Educational and Research Buildings and for Other Facilities*

355. Ethel Burnside, Paris, Illinois: for construction of the Burnside Research Laboratory (partial payment of total gift of \$250,000).....	\$	25 001 39
356. Eastman Kodak Company: for planning for new chemistry building.....		11 500 00
357. University of Illinois Foundation: for Krannert Museum art objects and Veterinary Medical Research Building.....		8 644 48
Total, Gifts for Educational and Research Buildings and Other Facilities.....	\$	45 145 87

*Federal Grants for Buildings and Other Facilities*

358. National Institutes of Health.....	\$	326 585 26
East Chemistry Building Remodeling for Bio-chemistry.....	\$	3 957 41
Veterinary Medical Research Building.....		6 405 00
Burnside Research Laboratory.....		43 400 00
Veterinary Medicine Annex.....		124 635 00
Student Rehabilitation Center.....		148 187 85
359. National Science Foundation.....		192 401 82
Scientific Equipment Program.....	\$	31 083 02
Addition to Electrical Engineering Building.....		27 464 82
Digital Computer Laboratory.....		85 958 20

Horticulture Field Laboratory Renovation.....	393 31 <sup>1</sup>
East Chemistry Building Addition.....	62 067 50
Justin Smith Morrill Hall.....	10 000 00 <sup>1</sup>
Aeronomy Field Station.....	3 778 41 <sup>1</sup>

*Total, Federal Grants for Buildings and Other Facilities.* \$ 526 077 08

*United States Government Grants and Research Contracts*

360. Advanced Research Projects Agency.....	\$ 396 001 69
361. Agency for International Development.....	750 855 82
362. Air Force .....	1 416 468 56
363. Air Materiel Command.....	1 407 508 29
364. Area Redevelopment Administration.....	2 250 00
365. Army Chemical Corps.....	14 381 15
366. Army Corps of Engineers.....	62 903 11
367. Army Electronics Command.....	120 510 10
368. Army Institute .....	2 926 00
369. Army Medical Corps.....	44 108 85
370. Army Ordnance .....	29 175 16
371. Army Research Office.....	283 624 35
372. Army Signal Corps.....	195 744 04
373. Army Surgeon General.....	101 702 96
374. Atomic Energy Commission.....	4 431 379 48
375. Bureau of Public Roads.....	20 374 63
376. Children's Bureau .....	81 352 00
377. Defense Atomic Support Agency.....	47 343 34
378. Department of Agriculture.....	111 974 32
379. Department of the Army.....	8 193 34
380. Department of Commerce.....	16 325 00
381. Department of the Interior.....	6 000 00
382. Department of Labor.....	154 160 61
383. Department of State.....	180 222 00
384. Federal Housing Authority.....	21 288 25
385. Fifth Army .....	1 378 74
386. National Academy of Sciences.....	57 802 50
387. National Aeronautics and Space Administration.....	761 668 95
388. National Bureau of Standards.....	622 00 <sup>1</sup>
389. National Defense Education Act.....	51 495 43
390. National Institutes of Health.....	1 875 00
391. National Science Foundation.....	5 083 994 79
392. Naval Electronics Laboratory.....	82 247 28
393. Naval Office of Weapons.....	17 614 13
394. Navy Bureau of Ships.....	416 875 72
395. Navy Bureau of Yards and Docks.....	30 250 21
396. Office of Education.....	832 704 44
397. Office of Civil Defense.....	95 318 43
398. Office of Naval Research.....	1 821 233 64
399. Office of Vocational Rehabilitation.....	153 740 10
400. Peace Corps .....	9 323 71
401. Public Health Service.....	4 509 103 91
402. Social Security Administration.....	44 889 00
403. Space Technology Laboratory.....	10 000 00
404. Tennessee Valley Authority.....	7 500 00

*Total, United States Government Grants and Research Contracts.* \$23 895 167 03

*Research and Public Service Contracts with State of Illinois Agencies*

405. Cities and Villages Municipal Problems Commission.....	\$ 10 000 00
406. State Archivist .....	4 000 00
407. State Department of Agriculture.....	85 320 53
408. State Department of Conservation.....	117 953 13
409. State Department of Insurance.....	1 800 00

<sup>1</sup> Deduct, refund of unused funds.

410. State Department of Mental Health.....	43 335 03
411. State Department of Public Safety.....	78 585 23
412. State Department of Public Works and Buildings, Division of Highways .....	333 616 34
413. State Division of Vocational Rehabilitation.....	42 223 85
414. State Library .....	35 000 00
415. State Office of Vocational Education.....	13 946 92
416. State Racing Board.....	96 260 00
417. State Superintendent of Public Instruction.....	94 511 81

*Total, Research and Public Service Contracts with State  
of Illinois Agencies.....\$* 956 552 84

*Miscellaneous Gifts of Books, Equipment, and Works of Art*

418. Ampex Corporation, Redwood City, California: to the Dig- ital Computer Laboratory, an Ampex 240 KC magnetic tape system .....	\$ 852 000 00
419. American Can Company, New York, New York: to the De- partment of Food Science, a Canco milk filler and a Canco milk container hand closing tool; estimated value.....	2 000 00
420. Anonymous donor: 381.68 bushels of beans to be sold, the proceeds to be used for student loans; estimated value.....	1 000 00
421. A. Crossley & Associates, Palo Alto, California: an oscillo- graph; estimated value.....	1 600 00
422. General Motors Corporation, Educational Relations Section: to the Department of Mechanical and Industrial Engineering, a General Motors Model 4-53 diesel engine to replace a Gen- eral Motors Model 4-51 diesel engine which the Company donated nine years ago; estimated value.....	2 500 00
423. Dr. David D. Henry: to the Library, a book, <i>Life of George Washington</i> , by David Ramsey, published in 1807.	
424. Libby, McNeill and Libby, Morton: to the Department of Food Science, a viner for shelling peas and lima beans; estimated value .....	2 000 00
425. Linde Company, Indianapolis, Indiana: Welder signs; estimated value.....	2 660 00
Klyston equipment; estimated value.....	4 608 00
426. Metropolitan Sanitary District of Greater Chicago: to the Department of Agricultural Economics, three carloads of activated sludge for fertilization of the University Trust Farms.	
427. Pennsylvania Life Insurance Company, Beverly Hills, Cali- fornia: to the Dixon Springs Agricultural Center, six cows; estimated value .....	7 421 00
428. Raytheon Company: Boston, Massachusetts: power supply; estimated value.....	650 00
Hooksett, New Hampshire: rectichargers; estimated value..	4 300 00
429. Shell Oil Company, Wood River: to the Department of Mechanical and Industrial Engineering, a General Motors GT 305 regenerated gas turbine; estimated value.....	36 000 00
430. Southern 4-H Camp: to the President's Office, the College of Agriculture Office, and to the Cooperative Extension Service Office, Christmas trees.	
431. University of Illinois Foundation: To the Department of Psychology, a portrait of Dr. Leo Hellmer; estimated value.....	720 00
To the Division of Rehabilitation-Education Services, an electric typewriter; estimated value.....	398 50
432. Wyatt Manufacturing Co.: a swine feeding system; esti- mated value .....	1 800 00
433. York Corporation, York, Pennsylvania: to the Department of Mechanical and Industrial Engineering, a three-hp water chiller, HC3W, to be used in the Department's research and educational programs; estimated value.....	500 00



For the Krannert Art Museum:

434. Dr. O. C. Aderhold, Athens, Georgia: a reproduction of a painting, "Seven Tubas," by Lamar Dodd.	
435. Mr. and Mrs. David Dolnick, Chicago: a painting, "Anticipation of the Night," by Robert Natkin; estimated value....	1 800 00
436. Dr. Karl A. Meyer, Chicago:	
A lithograph, "Self Portrait — 55 Division Street," by Ivan LeLorraine Albright; estimated value.....	25 00
A lithograph, "Boothbay Harbor, Maine," by Malvin Marr Albright (Zsissly); estimated value.....	25 00
A gouache and ink drawing, classical composition, by Claude Michel Clodion; estimated value.....	25 00
A water color, "Rainy Day in Taxco, Mexico," by Jaime Oates.....	25 00
A lithograph, "Harbor Scene," by Zsissly; estimated value..	25 00
437. Dr. Gordon Ray, New York, New York: a painting, "Heavenly Blue and Copper," by Leota W. Loop; estimated value..	250 00
438. Estate of George W. Sanford, deceased, Cleveland, Ohio: a group of 173 prints; estimated value.....	519 00
439. Mr. Jannis Spyropoulos, Athens, Greece: a painting, "Kelainos No. 2"; estimated value.....	1 800 00
440. Dean Fred H. Turner, Urbana: a hand colored etching, "The Water Vendor"; estimated value.....	25 00
441. Various donors, in memory of Mrs. Clifford W. Mendel, a mid-nineteenth century ink and color wash, "La Plaine," by Rousseau; estimated value.....	650 00
<i>Total, Miscellaneous Gifts of Books, Equipment, and Works of Art.....</i>	<i>\$ 925 326 50</i>
<i>Total, Colleges and Schools at Urbana-Champaign.....</i>	<i>\$29 686 227 31</i>

#### Colleges and Schools at the Medical Center, Chicago

*Scholarships, Prizes, and Other Financial Aids*

442. American Foundation for Pharmaceutical Education, Washington, D.C.: scholarships in pharmacy.....	\$ 600 00
443. Miss Bert Berkelhamer, Chicago: for the Dr. Ralph C. Berkelhamer Scholarship Award.....	100 00
444. Class of 1938, College of Medicine: for the Class of 1938 Medical Alumni Scholarship Fund in Medicine.....	500 00
445. Warren H. Cole Society, Chicago: scholarship in College of Medicine.....	500 00
446. Ford Hopkins Drug Company, Chicago: scholarship in pharmacy.....	200 00
447. Gazzolo Drug and Chemical Company, Chicago: scholarship in pharmacy.....	300 00
448. Goldenrod Ice Cream Company, Chicago: scholarship in pharmacy.....	200 00
449. Humiston-Keeling Co., Chicago: scholarship in pharmacy..	200 00
450. Markle Foundation, New York, New York: scholarships (\$6,000 each) in medical science and psychiatry.....	12 000 00
451. Osco Drug Company, Inc., Chicago: scholarship in pharmacy	1 000 00
452. Pfizer Laboratories: scholarship in medicine.....	1 000 00
453. Pharmacy Council of Illinois: scholarship in pharmacy....	200 00
454. Sargent Drug Store: scholarship in pharmacy.....	200 00
455. Steinway Drug Company, Chicago: scholarship in pharmacy	200 00
456. Various donors: Otto Saphir Memorial Scholarship Fund in the Department of Medicine.....	4 313 00
457. Walgreen Drug Stores: to the Charles R. Walgreen, Jr. Scholarship Fund for scholarship in pharmacy.....	300 00
458. Woman's Auxiliary of the Chicago Colleges of the University of Illinois: scholarships in Colleges of Medicine, Dentistry, Pharmacy, and Nursing.....	1 000 00



459. Women's Organization of Chicago Retail Druggists Association: scholarship in College of Pharmacy.....	300 00
460. Block Drug Company, Jersey City, New Jersey: for an award to the senior dental student who submits the best essay on a subject approved by the College of Dentistry.....	200 00
461. American Dental Association: for the Dental Education Student Loan Fund.....	1 183 00
462. Bernstein Loan Fund: for student loans.....	1 000 00
463. International Colleges of Dentistry: for student loans.....	300 00
464. Merck & Co., Inc., Rahway, New Jersey: for the George W. Merck Memorial Loan Fund to provide loans to interns and residents.....	3 000 00
465. William S. Merrell Company, Cincinnati, Ohio: for needy students in the College of Pharmacy.....	500 00
466. Organization Fund of the University of Illinois at the Medical Center, Chicago: for student loans.....	1 500 00
467. Various donors: to the William Saphir Memorial Loan Fund in the College of Medicine.....	2 705 00
468. Woman's Auxiliary of the Chicago Colleges of the University of Illinois: for student loans.....	1 000 00
469. Women's Architectural League: for student aid.....	1 200 00
470. Zonta Club, Chicago: for student aid.....	600 00
<i>Total, Scholarships, Prizes, and Other Financial Aids...\$</i>	<b>36 301 00</b>

*Funds for Fellowships and Research*

471. Samuel Higby Camp Foundation: fellowship in College of Medicine.....	\$ 1 000 00
472. Evanston Drama Club: fellowship in College of Medicine.....	1 000 00
473. Ford Foundation, New York, New York: fellowship for student research on reproductive biology.....	9 000 00
474. Lederle Laboratories, Pearl River, New York: for a medical student research fellowship.....	1 300 00
475. Eli Lilly and Company, Indianapolis, Indiana: fellowship in microbiology.....	6 000 00
476. Tobacco Industry Research Committee: fellowship.....	600 00
477. Abbott Laboratories, North Chicago.....	3 100 00
To the Department of Chemistry, College of Pharmacy, for research.....	\$ 100 00
To the Department of Surgery, College of Medicine, for a study of the comparison of various drugs in control of experimental acidosis.....	3 000 00
478. Alberto-Culver Company: to the Department of Medicine for a study of the effect of polysulfonated polysaccharides on gastro-intestinal bleeding due to acetyl salicylic acid.....	1 000 00
479. American Cancer Society, New York, New York.....	110 193 50
To the Department of Physiology, College of Medicine, for a study of the permeability of mitochondria.....	\$ 11 460 00
To the Department of Pathology for a study of the immunity of mice of inbred strains to isol-ogous tumors induced by F <sub>1</sub> tumors.....	12 461 00
To the Department of Surgery for:	
An institutional research grant.....	30 000 00
The investigation of cellular damage in animal and human tumors exposed in Vitro and in Vivo to anticancer compounds.....	11 572 00
To the Department of Biological Chemistry for:	
A study of the specificity of glycolytic pathway enzymes.....	16 866 00
A study of the intramitochondrial location of enzymes presumed to control energy metabolism in normal and tumor tissue.....	4 589 50

	A study of the separation of enzymes from normal and pathological serum using cellulose ion exchangers .....	23 245 00	
480.	American Heart Association: to the Department of Medicine for studies of the kidney in health and diseases.....		1 000 00
481.	American Heart Association, Chicago.....		20 018 12
	To the Office of Research in Medical Education for research .....	\$ 6 000 00	
	To the Department of Pharmacology, College of Medicine, for:		
	Departmental research grant.....	1 000 00	
	A study of nitrogen metabolism in the functioning myocardium .....	13 018 12	
482.	American Medical Association Education and Research Foundation: to the College of Medicine.....		31 764 41
483.	American Rheumatism Association, New York, New York: to the Department of Medicine for a study of cooperative clinics .....		2 356 86
484.	Arthritis and Rheumatism Foundation: to the Department of Medicine for clinical research on arthritis.....		1 000 00
485.	Asthmatic Children's Aid, Chicago: to the Department of Medicine for studies of simple chemicals which can induce bronchial asthma .....		7 500 00
486.	Astra Pharmaceutical Products, Inc., Worcester, Massachusetts: to the Division of Anesthesiology, Department of Surgery, for support of basic research in anesthesia.....		4 500 00
487.	Borg-Warner Foundation, Inc., Chicago: to the Department of Chemistry, College of Pharmacy, for nuclear magnetic resonance research .....		500 00
488.	Edward M. Bullard, Chicago: to the Department of Surgery for the Bullard Cancer Research Fund.....		1 000 00
489.	Casey Community Cancer Fund: to the Department of Surgery for a study of dissemination of cancer.....		1 000 00
490.	Casey Community Heart Fund: to the Department of Surgery for a study of flow measurement and heart surgery....		1 000 00
491.	Chandler Research Fund, New York, New York: for research in orthopaedic surgery.....		300 00
492.	Chicago Dermatological Society: for research in dermatology .....		400 00
493.	Chicago Heart Association.....		21 301 00
	To the Department of Pediatrics for a study of body fluids and electrolyte studies in infants with refractory cardiac failure.....	\$ 5 464 00	
	To the Department of Preventive Medicine for a cytogenetic study of cardiovascular anomalies..	7 737 00	
	To the Department of Surgery for a study of a preparation of coronary flow determination in intact animal .....	8 100 00	
494.	University of Chicago: to the Department of Medical Social Service for research.....		9 619 28
495.	Deerfield Area United Fund: to the Department of Surgery for cancer research.....		1 113 00
496.	E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware: to the Department of Medicine for a study of chemotherapy of viral respiratory infections.....		21 135 00
497.	Eureka United Fund: to the Department of Surgery for heart research .....		240 00
498.	Geigy Pharmaceutical Corporation, Yonkers, New York: to the Department of Medicine for a study of body potassium in thiazide treated hypertensive patients with hypokolemia...		1 500 00
499.	Helfrich Cancer Research Fund: to the Department of Surgery for a study of adjuvant therapy for cancer of the lung..		2 400 00

500.	Hoffman-LaRoche, Inc., Nutley, New Jersey.....	7 800 00
	To the Department of Pharmacology for a study	
	of the mechanism of action of cardiac depressants \$ 4 800 00	
	To the Department of Surgery for basic research 3 000 00	
501.	Illinois Federation of Women's Clubs: for cancer research..	1 200 00
502.	Indian Creek Township Community Fund: to the Department of Surgery for the Norris City Cancer Research Fund for research .....	200 00
503.	Lederle Laboratories, Pearl River, New York: to the Department of Medicine for studies in infectious diseases and related fields .....	10 000 00
504.	Leukemia Research Foundation: to the Department of Pediatrics for a study of the effects of a platelet stimulating factor in promoting marrow recovery during the antileukemic therapy.....	13 065 00
505.	Lloyd Brothers, Inc., Cincinnati, Ohio: to the Department of Medicine for clinical pharmacologic studies of the diuretic agent furosemide .....	6 000 00
506.	Nathan Manilow Foundation, Chicago: for research in the Department of Otolaryngology.....	15 000 00
507.	National Fund for Medical Education, Inc.: to the Department of Medicine for investigation on the kidney in health and disease .....	1 000 00
508.	Merck, Sharpe and Dohme Company, Chicago.....	20 000 00
	To the Department of Pharmacology for studies	
	of mechanism of muscle relaxant action.....\$ 5 000 00	
	To the Department of Medicine for research.... 3 000 00	
	To the Department of Preventive Medicine for studies of MK-240 and clinical pharmacology.... 12 000 00	
509.	Mr. John S. Morris, Chicago: to the Allergy Antigens Research Fund for research in allergy.....	300 00
510.	National Association for Mental Health, New York, New York: to the Department of Psychiatry.....	5 200 00
	Research in schizophrenia.....\$ 2 600 00	
	Studies of the mechanism of action of psychometric agents on the nervous system..... 2 600 00	
511.	National Foundation for Neuromuscular Diseases: to the Department of Orthopaedic Surgery for a cooperative muscular dystrophy therapy program.....	5 114 63
512.	National Tay-Sachs Society: to the Department of Psychiatry for a study of Tay-Sachs disease.....	600 00
513.	Parke, Davis & Company, Ann Arbor, Michigan: to the Department of Pediatrics.....	9 968 50
	A controlled study of tolerance, toxicity, and urinary excretion of CL 501 X-9354 (oleaginous) in children .....	
	A study of the clinical use of zarontin syrup... \$ 7 550 00	
514.	Park Ridge United Fund: to the Department of Orthopaedic Surgery for research in muscular dystrophy.....	1 000 00
515.	Presbyterian-St. Luke's Hospital: for research in neurology and neurological surgery.....	500 00
516.	Prospect Heights Annual Appeal: to the Department of Surgery for studies of the prevention of the dissemination of cancer.....	1 945 40
517.	Residents of Prospect Heights: to the Institution for Tuberculosis Research for research.....	6 00
518.	Research Foundation: to the Institution for Tuberculosis Research for research.....	2 359 10
519.	Roanoke Area United Fund: to the Department of Surgery Cancer research .....	900 00
	Heart research .....	\$ 650 00
		250 00

520.	Sandoz Pharmaceuticals, Hanover, New Jersey.....	18 000 00
	To the Department of Preventive Medicine for a study of hypertension and headache mecha- nisms .....	\$ 12 000 00
	To the Department of Medicine for a study of chemical mediators .....	6 000 00
521.	Schering Corporation, Bloomfield, New Jersey: to the De- partment of Dermatology for a study of the clinical value of tolinaftate as a topical fungicide.....	3 500 00
522.	G. D. Searle and Company, Skokie.....	15 000 00
	To the Department of Medicine for a study of the clinical pharmacology of spirolactones.....	\$ 12 000 00
	To the Department of Pediatrics for growth hormone studies .....	3 000 00
523.	Smith Kline and French Laboratories, Philadelphia, Penn- sylvania:.....	4 390 00
	To the Department of Pharmacognosy and Phar- macology for a study of the effects of psycho- pharmacologic agents on acetylcholine metabolism.....	\$ 3 000 00
	To the Department of Preventive Medicine for a clinical evaluation of Smith Kline and French #12,866 .....	1 390 00
524.	Society for Applied Spectroscopy: to the Department of Chemistry, College of Pharmacy, for research.....	200 00
525.	Sunbeam Corporation: to the Department of Applied Materia Medica and Therapeutics for a study of the design and development of apparatus for accurately measuring plaque removal from teeth.....	15 000 00
526.	Taylorville United Fund: to the Department of Preventive Medicine for polio research.....	1 000 00
527.	Taylorville United Fund: to the Department of Surgery....	4 000 00
	A study of flow measurement and heart surgery.....	\$ 2 000 00
	A study of dissemination of cancer.....	2 000 00
528.	Tobacco Industry Research Committee: to the Department of Oral Pathology for a study of oral cytology of smokers and nonsmokers .....	19 535 00
529.	United Cerebral Palsy Research and Educational Founda- tion, Inc., New York, New York.....	9 531 50
	To the Department of Anatomy for a study of the immunochemical characteristics of nervous tissue.....	\$ 3 656 50
	To the Department of Pediatrics for a study of symptomatic hypoglycemia in the neonate, patho- genesis, and late sequelae.....	5 875 00
530.	United Fund of Marion: to the Department of Surgery for the Marion United Cancer Fund for research.....	750 00
531.	U.S. Vitamin and Pharmaceutical Corporation: to the De- partment of Surgery for research.....	3 000 00
532.	University of Illinois Foundation .....	21 785 60
	To the College of Medicine for:	
	Hepatitis research .....	\$ 382 23
	Medical research .....	15 000 00
	To the Department of Surgery for cancer re- search.....	5 896 62
	To the College of Pharmacy for pharmacy re- search.....	506 75
533.	Various donors: to the Department of Orthodontics, College of Dentistry, for research.....	544 82
534.	Various donors: to the Department of Otolaryngology.....	5 100 00
	Otolaryngology Fund .....	\$ 5 075 00
	Audiology Gift Fund.....	25 00

535. Linda Hough Watts Memorial: to the Department of Medicine for leukemia research.....	419 00
<i>Total, Funds for Fellowships and Research.....</i>	<i>\$ 486 755 72</i>
<i>Funds for Educational and Research Programs</i>	
536. Abbott Laboratories, North Chicago: to the Department of Pharmacology, College of Medicine, for graduate education..\$	2 000 00
537. American Cancer Society, Inc.: to the Medical Research Laboratory .....	2 000 00
538. Chicago Community Trust: to the William Allen Pusey Fund for purchase of dermatological books and periodicals for the Library of Medical Sciences.....	1 000 00
539. Chicago Doll Collectors' Club: for purchase of a reclining chair to be used by parents of children who are critically ill..	204 00
540. Commonwealth Fund, New York, New York: to the College of Medicine for support of the Center for the Study of Medical Education .....	90 574 00
541. Fund for Dental Education, Inc.: to the Department of Pedodontics for publications relative to a teacher education program.....	2 000 00
542. W. K. Kellogg Foundation, New York, New York: to the College of Dentistry for teacher education.....	29 473 00
543. Mead Johnson and Company: for the Pediatric Residents' Education Fund .....	500 00
544. National Foundation, New York, New York: to the Department of Pediatrics for the Congenital Defects Special Treatment Center .....	9 979 50
545. National Foundation, Cook County Chapter: for salary of person maintaining respiratory equipment.....	5 800 00
546. National Fund for Medical Education, New York, New York: to the College of Medicine for an instructional grant	41 985 00
547. Senior Centers of Metropolitan Chicago: to the Department of Occupational Therapy for financing of educational experiences by staff members.....	150 00
548. Thompson Gift Fund: to the Department of Medicine for renovation of a conference room on the ninth floor of the Research and Educational Hospitals.....	1 002 00
549. University of Illinois College of Pharmacy Alumni Association: to the Pharmacy Students' Lounge Furniture Fund to purchase furniture for student lounge.....	425 13
550. Various donors: to the Division of Services for Crippled Children.....	41 303 34
551. Various donors: to the Anonymous Neurology Gift Fund for use for patients' carfare and phone calls.....	137 00
552. Various donors: to the Dean's Emergency Fund in Medicine	460 00
553. Various donors: to the College of Dentistry to support the teacher education program.....	1 300 00
American Fund for Dental Education.....\$	1 000 00
Dr. Robert K. Armstrong.....	50 00
Dr. H. S. Radziewicz.....	250 00
554. Various donors: to the College of Medicine.....	2 225 71
555. Various donors: to the Department of Occupational Therapy in support of various departmental activities.....	335 00
556. Various donors: to the Patient Drug Fund in the Research and Educational Hospitals.....	695 76
Mr. Donald Addis, in memory of Charles L. Barwood.....\$	10 00
Doctor's Service Bureau.....	500 00
Mrs. Mahala C. Marliere, La Salle.....	25 00
Sears, Roebuck and Co., in memory of Stanley Kubiesa .....	15 00

Mr. and Mrs. Charles I. Tibbetts, in memory of		
Mrs. Esther Haughey.....	5	00
Shafer Bearing Company, Downers Grove.....	8	76
Family of Claude Scott.....	122	00
Mr. and Mrs. John Ryan, South Holland, and		
Mr. and Mrs. Clyde D. Burton, Chicago.....	10	00
557. Various donors: to the Department of Pediatrics for the		
Pediatrics Gift Fund.....	1	318 00
558. Various donors: to the Quine Library of Medical Sciences		
for procurement of library materials.....	215	50
559. Various donors: to the Department of Surgery.....	782	85
560. Various donors: to the Department of Surgery for the		
Anonymous Cardiovascular Gift Fund.....	2	700 00
561. Woman's Auxiliary of the University of Illinois at the Med-		
ical Center: to the Research and Educational Hospitals to		
help defray the expenses in connection with the Volunteer		
Program .....	1	600 00
<i>Total, Funds for Fellowships and Research.....</i>	<i>\$</i>	<i>240 176 79</i>

*United States Government Grants and Research Contracts*

562. Agency for International Development.....	\$	428 518 10
563. Air Force .....	2	435 15
564. Army Surgeon General.....	137	091 16
565. Atomic Energy Commission.....	7	139 00
566. National Science Foundation.....	89	546 87
567. Office of Naval Research.....	30	678 64
568. Public Health Service.....	4	264 303 31
569. U. S. Army Edgewood Arsenal.....	39	675 13
570. U. S. Department of the Army.....	27	766 40
571. Vocational Rehabilitation Administration.....	11	262 67

*Total, United States Government Grants and Research  
Contracts.....\$ 5 038 416 43*

*Research and Public Service Contracts with State of Illinois Agencies*

572. Department of Mental Health.....	\$	179 286 56
Residency Training in Psychiatry.....	\$	33 755 86
Psychiatry Clinic .....	1	461 19
Chromosomal Abnormalities in Mental Retarda-		
tion .....	9	984 89
The Relationship of Neonatal Hypoglycemia to		
Neurological Damage in Prematurely Born In-		
fants.....	31	474 46
Psychosomatic Differentiation in Infancy.....	63	174 00
Relation of Neural Metabolism to Function....	33	791 09
The Role of Proteins of the Brain in Normal		
and Abnormal Brain Functions.....	2	920 44
The Role of Proteins in Brain Functions.....	2	724 63
573. Department of Public Health.....	30	926 21
Special Patient Project Under the Supervision		
of Dr. Bruce Douglas.....	\$	27 259 56
Growth and Development.....	3	650 00
Dental Treatment of Residents of Healy School.	16	65

*Total, Research and Public Service Contracts with State  
of Illinois Agencies.....\$ 210 212 77*

*Gifts of Equipment and Library Materials*

574. Alumni Association of Orthodontics Department: to the		
Department of Orthodontics, a camera, exakta reflex, with		
accessories; estimated value.....	\$	154 90
A carrying case; estimated value.....	11	50
A bellows extension; estimated value.....	28	00



575. Class of 1963: to the Department of Orthodontics, a blanchene disarticulated skull-w-mounting; estimated value..	140 00
Base-walnut to fit jar for above; estimated value.....	15 00
576. Mrs. Miko T. Hoyer: to the Research and Educational Hospitals, a Zenith AM-FM radio; estimated value.....	75 00
577. A. S. LaPine Company, Chicago: to the Department of Pedodontics, a paraffin embedding electric oven, large model; estimated value .....	250 00
A paraffin embedding electric oven, small model; estimated value.....	175 00
A balance, triple beam metric; estimated value.....	20 00
578. Dr. Phoebe Thompson, in memory of her late husband, Dr. Willard Owen Thompson: to the College of Medicine, books and periodicals in endocrinology; estimated value.....	8 998 00
<i>Total, Gifts of Equipment and Library Materials.....</i>	<i>\$ 9 867 40</i>
<i>Total, Colleges and Schools at the Medical Center,</i>	
<i>Chicago .....</i>	<i>\$ 6 021 730 11</i>

#### Colleges and Schools at the Chicago Undergraduate Division

579. Educational Facilities Laboratories, Inc., New York, New York: to the College of Architecture and Art for the development of plans for new facilities.....	\$ 250 00
580. Foundry Educational Foundation, Cleveland, Ohio: scholarship in engineering.....	15 400 00
581. Graham Foundation: fee for a lecturer.....	500 00
582. Mr. and Mrs. Leonard F. McCollum, Houston, Texas: six shares of Continental Oil Company stock for the Eugene Stebinger Memorial Library Fund.....	348 78
583. Messrs. J. F. Fisher and R. E. Ryan, Chicago: to the Division of Social Sciences, a Kodak Copier Machine; estimated value .....	160 00
584. Wilkens Anderson Co., Chicago: to the Division of Physical Science, an electric oven; estimated value.....	195 00
<i>Total, College and Schools at the Chicago Undergraduate Division.....</i>	<i>\$ 16 853 78</i>

#### Gifts to the University of Illinois Foundation

585. Envelope Fund Projects (formerly Illini Achievement Fund)\$	389 600 31
586. Other Gifts for Current Purposes.....	83 794 21
587. Loan Funds .....	8 752 81
588. Endowment Funds .....	678 408 17
589. Funds for Physical Plant Purposes.....	236 050 12
<i>Total, Gifts to the University of Illinois Foundation.....</i>	<i>\$ 1 396 605 62</i>
<i>Grand Total .....</i>	<i>\$37 121 416 82</i>

#### Summary

##### Funds from Private Donors

##### To the University

For Urbana-Champaign .....	\$ 3 917 509 36
For Chicago Colleges and Divisions.....	789 954 69
	(4 707 464 05)

To the University of Illinois Foundation.....	1 396 605 62
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<i>Total.....</i>	<i>\$ 6 104 069 67</i>
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##### Funds from United States Government

For Urbana-Champaign (including \$390,921 from National Defense Education Act for Student Loan program for all campuses).....	\$24 812 165 11
For Chicago Colleges and Divisions.....	5 038 416 43

<i>Total .....</i>	<i>\$29 850 581 54</i>
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## Funds from Contracts with State of Illinois Agencies

For Urbana-Champaign .....	\$ 956 552 84
For Chicago Colleges and Divisions .....	210 212 77
<i>Total</i> .....	\$ 1 166 765 61
<i>Grand Total</i> .....	\$37 121 416 82

This report was received for record.

## PURCHASES

(21) The President submitted a report of purchases recommended by his office, on recommendation of the Director of Purchases and the Vice-President and Comptroller.

The report was presented in two categories: purchases from appropriated funds (i.e., from state appropriations to the University) and purchases from institutional funds. The latter term designates funds received by the University under contracts with the United States government, funds from contracts with private corporations and other organizations, funds from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

The total amounts of these purchases were:

From Appropriated Funds .....	\$ 72 707 95
From Institutional Funds .....	\$609 428 21
<i>Total</i> .....	\$682 136 16

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

On motion of Mr. Johnston, the purchases recommended by the President were authorized.

## COMPTROLLER'S REPORT OF CONTRACTS

(22) The Comptroller's report of contracts executed during the period November 1 to 30, 1964.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois Board of Economic Development	Economic studies as a part of the program for statewide planning	\$226 000 00	October 5, 1964
United States Air Force AF-AFOSR-547-65	Wall turbulence	29 230 00	November 13, 1964
United States Air Force AF19(628)-4337	Junction effects in compound semi-conductors	54 550 00	September 15, 1964
United States Army DA-31-124-ARO-D-288	Exploratory research in mathematics	33 545 00	October 15, 1964
United States Army DA-31-124-ARO-D-289	Intrinsic studies of materials	33 647 00	October 26, 1964
United States Navy N123-(953)51806A	Design of a major integrated ship-board antenna system	84 739 00	October 1, 1964
<i>Total</i>		<u>\$461 711 00</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Nancy Wilson	Presentation of "Nancy Wilson and others"	\$10 000 00	September 29, 1964

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Allis-Chalmers Manufacturing Company	Farm machinery rental: one tractor with equipment	\$ 599 00	July 13, 1964
Ford Motor Company	Farm machinery rental: seven items — \$23.00 to \$734.30	2 727 00	August and September, 1964

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
May W., William H., and Agnes C. Hill (new)	Lease of twenty acres of land in Champaign County from October 1, 1964, to June 30, 1965 (Electrical Engineering)	\$ 375 00 (\$25.00 per acre per year)	October 22, 1964
International Harvester Company	Farm machinery rentals: twenty-seven items — \$5.10 to \$875.49	6 830 00	June, July, August, September, and October, 1964
<i>Total</i>		<u>\$10 531 00</u>	

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Aeronautics and Space Administration N.G-195	Micro-neuroanatomy of the central nervous system	\$124 988 00	October 1, 1964
United States Air Force AF29(601)-6369	Sands subjected to dynamic and rapid loading to high-stress levels	8 556 00	September 17, 1964
United States Air Force AF33(616)-5153	Determine the mechanism of the ductile to brittle transition in metals	1 669 00	October 2, 1964
United States Army DA-31-124-ARO-D-281	Martensitic transformations in the binary iron alloys	53 198 00	October 29, 1964
United States Army DA-36-039-AMC-03703(E)	Ionospheric research	40 468 00	October 1, 1964
United States Atomic Energy Commission AT(11-1)-415	Research on electronic high-speed digital computers	221 000 00	September 1, 1964
United States Atomic Energy Commission AT(11-1)-790	Ribonucleic acid in the accumulation of ions by plant cells	3 667 00	November 1, 1964
United States Atomic Energy Commission AT (11-1)-1195	Elementary particle interactions in the high energy regions	1 200 000 00	October 1, 1964
United States Atomic Energy Commission AT(11-1)-1198	Understanding the nature of materials, predominantly solids	1 659 000 00	November 3, 1964
United States Steel Corporation	Behavior of deformed wire fabric in concrete	3 000 00	August 12, 1964
United States Navy Nonr-1834(26)	Plastic deformation of solids	21 000 00	September 1, 1964
United States Navy Nonr-1834(34)	Luminescence of marine organisms	87 162 00	August 31, 1964
<i>Total</i>		<u>\$3 423 708 00</u>	

**Adjustments Made in 1964-65 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett and Company (Plastering)	Thirty items: \$147.72 deduct to \$225.00	\$1 607 00	October and November, 1964

**Summary**

Amount to be paid to the University.....	\$3 885 419 00
Amount to be paid by the University.....	22 138 00

This report was received for record.

**INVESTMENT REPORT****Report of the Finance Committee**

(23) The Finance Committee reported the following changes in investments of endowment funds for the month of September, 1964:

*Pool**Purchase*

\$ 33 000 U. S. Treasury bonds 4 per cent 2/15/80 \$ 32 319 38

**Report of the Comptroller**

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated, for the month of September, 1964:

*Current Funds*

## Restricted Group (June 20, 1962)

## Purchase

\$ 900 000	U. S. Treasury bills	11/30/64	\$894 169 00
600 000	U. S. Treasury bills	12/17/64	595 013 33
500 000	CIT Financial Corporation notes	5/17/65	486 611 11
500 000	Household Finance Corp. notes	5/28/65	486 000 00
500 000	Commercial Credit notes	5/28/65	486 000 00
500 000	Beneficial Finance notes	5/28/65	486 000 00
500 000	Ford Motor Credit Company notes	6/15/65	486 006 94

*Construction Funds*

## Assembly Hall (June 23, 1959, and March 17, 1962)

## Purchase

\$ 50 000	U. S. Treasury bills	12/17/64	49 575 88
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## Center for the Performing Arts (June 20, 1962)

## Purchase

\$ 94 000	General Motors Acceptance Corp. notes	3½% per cent 9/01/75	86 940 60
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## Graduate Housing (February 19, 1964)

## Purchase

\$ 125 000	U. S. Treasury bills	12/03/64	123 894 10
90 000	U. S. Treasury bills	1/14/65	88 979 37

## Illini Union and Health Center (December 21, 1960)

## Purchase

\$ 145 000	U. S. Treasury bills	11/27/64	144 060 88
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## Illinois Street Residence Halls (October 17, 1962)

## Purchase

\$ 105 000	U. S. Treasury bills	1/14/65	103 630 65
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## Orchard Downs (June 14, 1960)

## Sale

\$ 60 000	U. S. Treasury bills	11/19/64	59 666 55
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## Orchard Downs Addition (May 24, 1962)

## Purchase

\$ 62 000	U. S. Treasury bills	10/15/64	61 866 08
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## Pennsylvania Avenue Residence Halls (June 21, 1961)

## Purchase

\$ 22 000	U. S. Treasury bills	10/15/64	21 953 36
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## Student Services (May 17, 1961)

## Purchase

\$ 18 000	U. S. Treasury bills	12/17/64	17 849 49
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*Sinking Funds*

## Illini Union and Health Center (December 21, 1960)

## Purchase

\$ 290 000	U. S. Treasury bills	9/17/64	289 587 56
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## Revenue Bonds of 1952 (December 16, 1953)

## Purchase

\$ 88 000	U. S. Treasury bonds	3½% per cent 11/15/74	85 690 00
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## Student Services (May 17, 1961)

## Purchase

\$ 31 000	U. S. Treasury bills	9/30/64	30 925 50
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**Report of the Finance Committee**

The Finance Committee reported the following changes in investments of endowment funds for the month of October, 1964:

*Pool*

Purchase				
\$ 33 500	U. S. Treasury Bonds	4¼ per cent	5/15/74	33 730 31

**Report of the Comptroller**

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated, for the month of October, 1964:

*Current Funds*

Restricted Group (June 20, 1962)

Purchases				
\$ 500 000	U. S. Treasury bills	12/31/64	\$497 007 50	
500 000	CIT Financial Corporation	4/30/65	488 611 11	
500 000	Commercial Credit Company	4/30/65	488 611 11	
500 000	Sears Roebuck Acceptance Corporation	4/30/65	488 611 11	
500 000	Beneficial Finance Corporation	6/28/65	485 833 33	
500 000	Sears Roebuck Acceptance Corporation	6/28/65	485 833 33	

*Construction Funds*

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase				
\$ 94 000	U. S. Treasury bills	2/18/65	92 916 00	

Chicago — Chicago Circle Union (June 19, 1963)

Sale				
\$ 10 000	U. S. Treasury bills	11/19/64	9 972 78	

Purchase				
\$ 75 000	U. S. Treasury bills	3/11/65	72 722 50	
155 000	U. S. Treasury bills	4/15/65	152 108 48	

Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

Purchase				
\$ 300 000	U. S. Treasury bills	4/15/65	294 558 67	

Graduate Housing (February 19, 1964)

Sale				
\$ 85 000	U. S. Treasury bills	10/31/64	84 816 12	

Purchase				
\$ 72 000	U. S. Treasury bills	3/11/65	71 007 20	

Illinois Street Residence Halls (October 17, 1962)

Purchase				
\$ 85 000	U. S. Treasury bills	2/11/65	84 089 65	

Orchard Downs (June 14, 1960)

Sale				
\$ 10 000	U. S. Treasury bills	11/19/64	9 959 00	

Orchard Downs Addition (May 24, 1962)

Purchase				
\$ 65 000	U. S. Treasury bills	3/18/65	64 057 59	

Pennsylvania Avenue Residence Halls (June 21, 1961)

Purchase				
\$ 52 000	U. S. Treasury bills	11/12/64	51 917 00	

*Sinking Funds*

Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

Purchase				
\$ 4 500	U. S. Treasury bonds	4 per cent	2/15/80	4 429 69

Student Services (May 17, 1961)

Purchase				
\$ 7 000	U. S. Treasury bills	1/14/65	6 936 65	

This report was received for record.

**MEDICAL CENTER BONDS OF 1964, SERIES A AND B**

(24) Bids were received at 11:00 a.m. on December 16 for the sale of \$3,600,000 of the Board of Trustees Medical Center Bonds of 1964, to finance the construction of a Union Building and Residence Hall for the Medical Center Campus of the University of Illinois in Chicago.

The Vice-President and Comptroller recommends that the bonds be sold to John Nuveen & Co. and Associates at a price of \$3,587,565.60 plus accrued interest and at an effective interest rate of 3.5998 per cent, which represents the lowest interest cost to the University.

The Vice-President and Comptroller also presents a Resolution of the Board of Trustees of the University of Illinois authorizing and providing for the issuance of \$3,600,000 Medical Center Bonds of 1964, and recommends its adoption.

He further recommends that the Board: (1) authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board; and (2) ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the Bonds to the purchasers indicated above.

I concur.

On motion of Mrs. Watkins, these recommendations were approved and the resolution which appears below was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**Resolution Authorizing \$3,600,000 Medical Center Bonds of 1964**

A RESOLUTION AUTHORIZING AND PROVIDING FOR THE ISSUANCE OF REVENUE BONDS FOR THE PURPOSE OF PAYING THE COST OF ACQUIRING, CONSTRUCTING AND EQUIPPING THE MEDICAL CENTER UNION BUILDING AND RESIDENCE HALL IN THE CITY OF CHICAGO, ILLINOIS BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, SETTING FORTH THE TERMS UNDER WHICH SUCH REVENUE BONDS ARE TO BE ISSUED, PROVIDING FOR THE RIGHTS OF THE HOLDERS THEREOF, AND PROVIDING FOR THE ACQUISITION, CONSTRUCTION AND EQUIPMENT OF SUCH FACILITIES, AND THE MANAGEMENT, MAINTENANCE, IMPROVEMENT, AND OPERATION THEREOF.

WHEREAS The Board of Trustees of the University of Illinois on due consideration and investigation does now find and determine that it is advisable and necessary and required for the good and benefit of the University of Illinois and the best interests of its students and faculty to construct and equip a Union Building, and student residence hall on the Medical Center campus of the University. (Said Union Building and residence hall are hereinafter sometimes called the "building," "facilities" or "Project"); and

WHEREAS in order to produce the funds necessary to construct and equip said Project it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1963, 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 terms "*facilities*," "*Project*" and "*building*" shall mean all facilities financed pursuant to this Resolution, the cost of which is paid in whole or in part through the issuance of Bonds.

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

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

(a) the net income for the preceding fiscal year of all revenue producing facilities pledged for the payment of Bonds; plus

(b) the estimated annual net income of all revenue producing facilities for the account of which Bonds have been issued and delivered but which are under construction or for which a full fiscal year's operating experience is not available; plus

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

(d) the net income during the preceding fiscal year from investments of funds in the Medical Center Bond and Interest Sinking Fund Account.

(e) The maximum dollar amount of student tuitions covenanted, pledged or agreed or to be covenanted, pledged, or agreed to supplement the revenues of the facilities for the payment of all Bonds then outstanding and then to be issued; plus

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 Repair and Replacement Reserve. With respect to housing facilities, the computation of estimates provided for in this definition shall be based on an assumed occupancy of not more than 95% of the housing facilities in question. 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 Repair and Replacement Reserve hereinafter provided, and all general administrative expenses of the University.

The term "*student service charge*" shall mean any student fee or portion thereof assessed against students enrolled at the Medical Center campus of the University for the general use of the facilities (whether assessed as a separate charge or as a specific allocation of a multi-purpose fee or charge), but shall not include general student tuitions or student fees assessed for any other purpose.

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

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

## ARTICLE TWO

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

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

SECTION 2.02. *Project and Purpose of Initial Issue of Bonds.* The initial project (hereinafter called the "Project") to be acquired, constructed, equipped and completed hereunder is described in a general way as:

1. The Medical Center Union, consisting of a three-story building south of and connected to the existing Student Residence Hall at 818 South Wolcott Street in the City of Chicago, Illinois; and
2. A residence hall, consisting of a six-story building for 177 students, plus six guest rooms, to be located west of and connected to the existing Student Residence Hall at 818 South Wolcott Street in the City of Chicago, Illinois.

The estimated cost of said Project is \$4,065,000, excluding 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.

The University has available from other sources the sum of \$465,000 which may be applied toward the cost of the Project, and it is hereby determined that in order to produce the balance of the funds necessary to construct and equip the Project, that the University borrow the sum of Three Million Six Hundred Thousand Dollars (\$3,600,000) and in evidence thereof to issue its Medical Center Bonds hereunder in said principal amount.

SECTION 2.03. *Terms of 1964 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 Three Million Six Hundred Thousand Dollars (\$3,600,000) at any one time outstanding, and shall be designated "The Board of Trustees of the University of Illinois Medical Center Bonds of 1964" (hereinafter called "1964 Bonds").

The 1964 Bonds shall be issued as negotiable coupon bonds dated December 1, 1964, registrable as to principal in the denomination of \$5,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which

interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to June 1, 1965, in which case they shall be dated December 1, 1964. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons shall be numbered in such manner as may be designated by the Comptroller and shall be issued in denominations of \$5,000 or multiples thereof. Bonds shall bear interest from December 1, 1964, payable semi-annually on the first days of June and December in each year until paid, commencing June 1, 1965, at the rates provided below and shall mature in the following amounts on December 1, of the following years:

<i>Maturity Dates</i>	<i>Principal Amount</i>	<i>Interest Rate</i>	<i>Maturity Dates</i>	<i>Principal Amount</i>	<i>Interest Rate</i>
1967.....	\$ 40,000	5%	1986.....	\$ 90,000	3½%
1968.....	45,000	5%	1987.....	90,000	3½%
1969.....	50,000	5%	1988.....	90,000	3½%
1970.....	50,000	5%	1989.....	100,000	3½%
1971.....	50,000	5%	1990.....	105,000	3½%
1972.....	55,000	5%	1991.....	110,000	3½%
1973.....	55,000	5%	1992.....	115,000	3.60%
1974.....	55,000	5%	1993.....	115,000	3.60%
1975.....	60,000	3⅝%	1994.....	115,000	3.60%
1976.....	65,000	3⅝%	1995.....	120,000	3.60%
1977.....	65,000	3⅝%	1996.....	130,000	3⅝%
1978.....	65,000	3⅝%	1997.....	135,000	3⅝%
1979.....	65,000	3⅝%	1998.....	140,000	3⅝%
1980.....	70,000	3.60%	1999.....	145,000	3⅝%
1981.....	75,000	3.60%	2000.....	150,000	3⅝%
1982.....	80,000	3½%	2001.....	155,000	3⅝%
1983.....	80,000	3½%	2002.....	160,000	3⅝%
1984.....	85,000	3½%	2003.....	165,000	3⅝%
1985.....	90,000	3½%	2004.....	170,000	3%
				<u>\$3,600,000</u>	

The 1964 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 June 1, 1975, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
June 1, 1975 through December 1, 1979.....	3%
June 1, 1980 through December 1, 1984.....	2½%
June 1, 1985 through December 1, 1989.....	2%
June 1, 1990 through December 1, 1994.....	1½%
June 1, 1995 through December 1, 1999.....	1%
June 1, 2000 and thereafter without premium.	

SECTION 2.04. *Payment of Principal and Interest.* Both the principal of and the interest on the 1964 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 Franklin National Bank in the Borough of Manhattan and City and State of New York.

SECTION 2.05. *Form of Bonds.* The definitive coupon 1964 Bonds, the interest coupons to be attached thereto, the form of fully registered 1964 Bonds without coupons, the form of registration endorsement to appear on all coupon Bonds, 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  
 MEDICAL CENTER BOND OF 1964

Number.....\$5,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Medical Center Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of FIVE THOUSAND DOLLARS (\$5,000), on December 1, 19....., and to pay interest on said sum from the date hereof until paid at the rate of ..... per cent (.....%) per annum, payable June 1, 1965, and semiannually thereafter on the first days of June and December 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 Franklin National Bank in the Borough of Manhattan and City and State of New York.

This Bond is one of an initial authorized series of Three Million Six Hundred Thousand Dollars (\$3,600,000) principal amount of Medical Center Bonds of 1964 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 16, 1964, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and residence hall at the University of Illinois at the Medical Center (herein 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.

The bonds of this series are redeemable in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to June 1, 1975, 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>
June 1, 1975 through December 1, 1979.....	3%
June 1, 1980 through December 1, 1984.....	2½%
June 1, 1985 through December 1, 1989.....	2%
June 1, 1990 through December 1, 1994.....	1½%
June 1, 1995 through December 1, 1999.....	1%
June 1, 2000 and thereafter without premium.	

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

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1963, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Medical Center Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities and (4) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$60,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

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

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

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of



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

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, 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 December, 1964.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

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

(Form of Interest Coupon)

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

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



Illinois, or at the option of the holder at the Franklin National Bank in the Borough of Manhattan and City and State of New York, as provided in the Medical Center Bond of 1964, dated December 1, 1964, Number .....

<i>Secretary</i> (Form for Registration of Coupon Bond) <i>Date of Registration</i>	<i>President</i> <i>Name of Registered Owner</i>	<i>Signature of Registrar</i>

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  
MEDICAL CENTER BOND OF 1964

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 Medical Center Bond Fund as hereinafter provided for, and not otherwise) to .....

or registered assigns, on December 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 June 1, 1965, and semiannually thereafter on the first days of June and December in each year from the date hereof until the principal amount hereof has been fully paid.

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

This bond is one of an initial authorized series of Three Million Six Hundred Thousand Dollars (\$3,600,000) principal amount of Medical Center Bonds of 1964, 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 16, 1964, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and residence hall at the University of Illinois at the Medical Center (herein 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.

The bonds of this series are redeemable in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to June 1, 1975, 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>
June 1, 1975 through December 1, 1979.....	3%
June 1, 1980 through December 1, 1984.....	2½%
June 1, 1985 through December 1, 1989.....	2%
June 1, 1990 through December 1, 1994.....	1½%
June 1, 1995 through December 1, 1999.....	1%
June 1, 2000 and thereafter without premium.	

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

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1963, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Medical Center Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities and (4) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$60,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, or said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

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

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (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 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 1964 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 coupon 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 or transfer in a form approved by the Comptroller, duly executed by the registered owner of such Bond or his duly authorized attorney, at the office of the Registration Agent in the City of Chicago, Illinois, for exchange for coupon Bonds, the University shall issue, and, in exchange for such registered Bond, shall deliver coupon Bonds for a like aggregate principal sum and like maturity, with coupons thereto attached 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 coupons for interest on such Bond, whether such Bond shall be registered or not, as the absolute owner of such Bond or coupon for the purpose of receiving payment thereof, and for all other purposes whatsoever, and the University shall not be affected by any notice to the contrary whether the Bond or coupon be overdue or not.

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

Upon every such exchange of coupon Bonds for registered Bonds, without coupons, or of registered Bonds without coupons for coupon Bonds or for other registered Bonds without coupons, and upon any transfer of registered Bonds without coupons, the University, except as otherwise provided in any agreement between the University and any original purchaser of Bonds, may require the payment of such charge therefor as it may deem proper, not exceeding Two Dollars (\$2.00) plus actual expenses, including printing costs of new bonds, 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 \$5,000 or any multiple thereof) and shall state that payment of the redemption price shall, except as hereinafter specifically provided, be made only upon presentation of such fully registered Bonds for surrender in exchange for a 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, 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 \$5,000 shall be given a separate number for each \$5,000 of the principal amount thereof.

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

SECTION 3.05. *Effect of Redemption.* If the amount necessary to redeem all of the Bonds called for redemption as aforesaid shall have been deposited with the paying agent, for the account of the holder or holders of such Bonds on or before the day preceding the date specified for such redemption, and the notice 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 1964 Bonds.* 1964 Bonds in the principal amount of Three Million Six Hundred Thousand Dollars (\$3,600,000) 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 1964 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, Chicago, Illinois; or

B. Paying the cost of equipping, enlarging or improving the Project, provided that no Bonds may be issued for paying the cost of enlarging the Project by more than 100,000 gross square feet; or

C. Paying the cost of equipping, remodeling or improving any or all housing facilities covered by the Colleges of Dentistry, Medicine and Pharmacy Revenue Bonds, Series of 1951, provided that the indebtedness on those facilities has previously been repaid or funds are made available from the proceeds of additional Bonds to be issued to provide for the redemption of all Colleges of Dentistry, Medicine and Pharmacy Revenue Bonds, Series, 1951, then outstanding;

*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 estimates shall be presented to and approved by said Board of Trustees preceding the adoption of any resolution authorizing the issuance of additional Bonds for such purpose, and

(ii) In the event additional Bonds are issued for the purpose of paying the cost of equipping, enlarging or improving the Project as provided above in clause B or for any of the purposes set forth in clause C above, the Net Income Available for Debt Service shall be equal to or greater than one and twenty-five hundredths (1.25) times the amount to become due in each succeeding fiscal year for the payment of principal and interest on the Bonds then outstanding hereunder and the Bonds then to be issued.

All such additional Bonds shall be issued pursuant to a resolution supplemental hereto, duly adopted by the Board of Trustees, setting forth the form of such additional Bonds and the terms and conditions applicable thereto. For the purpose of this Section any computation of Net Income Available for Debt Service prepared and certified by the Comptroller, setting forth in detail the computation thereof and demonstrating that it is equal to or greater than the amount required above shall be binding and conclusive upon the Board of Trustees and the holders of all Bonds then outstanding hereunder and then to be issued.

## ARTICLE FIVE

### PROVISIONS RELATING TO INCOME AND APPLICATION THEREOF

SECTION 5.01. *Medical 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 Project,
- (2) the operation of any other revenue producing facilities for the account of which additional Bonds may hereafter be issued; and
- (3) student service charges;

and such revenues shall be deposited as collected in a general banking account of the University to the credit of a special fund which is hereby created and designated as the "Medical 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 Medical Center Bond Fund and shall be used as provided in Section 5.02 hereof.

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

(a) Funds in the Medical 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 Medical 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 May 15 and November 15 of each year a sum not less than one hundred twenty-five per cent (125%) of the interest becoming due on the next semiannual interest payment date plus sixty-two and one half per cent (62½%) of the principal payments becoming due within the next succeeding twelve months to be paid from the Medical 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, after providing for the next interest payment due on all then outstanding Bonds and for the principal payments due at the next maturity date for each series of Bonds outstanding (except that provision need be made only for one-half of the principal payments due more than six months after such deposit date), have created a

debt service reserve in an amount equal to one hundred per cent (100%) 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 debt service requirement and to maintain the aforesaid debt service reserve. Said funds shall be held and used for the payment of principal, interest and premium, if any, on the Bonds. For the purpose of this paragraph interest and principal accruing prior to the estimated completion date of a Project and deposited into the Bond and Interest Sinking Fund Account out of the proceeds of the Bonds or from a Construction Fund Account shall not be deemed to be interest or principal to become due on the Bonds.

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

(c) After setting aside all funds at the time required for the purposes specified in paragraph (a) above and all funds required to meet the next succeeding minimum deposit required to be made by paragraph (b) above, into said Bond and Interest Sinking Fund Account, the University shall establish on its books a Repair and Replacement Reserve (which shall consist of two parts an equipment replacement reserve and a repairs reserve) to which there shall be credited on or before the close of each fiscal year commencing with the fiscal year beginning July 1, 1966, (1) the sum of \$15,000 (plus such additional sums as may be specified in resolutions supplemental hereto) or such portion thereof as is available for transfer annually for an equipment replacement reserve until the funds and/or investments in the equipment reserve portion of the Account shall aggregate \$340,000 (plus such additional sums as may be specified in resolutions supplemental hereto) and thereafter such sums, but not more than \$15,000 (plus such additional sums as may be specified in resolutions supplemental hereto) annually, as may be required to restore and maintain the balance of \$340,000 (plus such additional sums as may be specified in resolutions supplemental hereto), and (2) the sum of \$12,000 (plus such additional sums as may be specified in resolutions supplemental hereto) or such portion thereof as is available for transfer annually for a repairs reserve. All monies in the Repair and Replacement Reserve may be drawn on and used by the University for the purpose of paying the cost of unusual or extraordinary maintenance or repairs, renewals, replacements and improvements, and the renovating or replacement of furniture and equipment not paid as part of normal operating expenses. Funds standing to the credit of said Repair and Replacement Reserve may be invested by the Comptroller in United States Government securities until such time as funds are needed. In the event that there is any deficiency in the funds required to be deposited semiannually into the Bond and Interest Sinking Fund Account or there is a deficiency in the debt service reserve, as provided in paragraph (b) above, sufficient funds shall be transferred from the Repair and Replacement Reserve and deposited in the Bond and Interest Sinking Fund Account to eliminate such deficiency.

(d) All funds remaining in said Medical 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 Repair and Replacement Reserve; and (5) for any lawful purpose as the Board of Trustees may direct.

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

## ARTICLE SIX

### APPLICATION OF PROCEEDS OF SALE OF BONDS

SECTION 6.01. *Custody and Application of Bond Proceeds.* The proceeds from the sale of Bonds to be issued from time to time hereunder shall be applied only toward the cost of acquiring, constructing, equipping, enlarging, or improving facilities, all as hereinbefore provided. When received, the part of the purchase price of Bonds representing the interest accrued on Bonds to the date of payment of such purchase price, 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 im-



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

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

SECTION 6.03. *Disposition of Surplus Funds.* After completion of each construction or improvement project, the Comptroller of the University shall execute a certificate to the effect that said project has been fully completed according to the plans and specifications and the same filed in the office of the Secretary of the Board of Trustees. Subject to the terms and provisions of any contract or agreement between the Board of Trustees and any original purchaser of Bonds and relating to any separate series of Bonds to be issued hereunder, if there be funds remaining in a Construction Fund Account at the time of the filing of such certificate with the Secretary, said funds shall be withdrawn by the Comptroller and deposited in the 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 por-

tion 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 times 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, when supplemented with student tuitions to the extent provided in Section 5.03, will provide revenue sufficient to provide and maintain the aforesaid Bond and Interest Sinking Fund Account and the required reserves therefor, to pay the reasonable cost of operating and maintaining the facilities and to provide and maintain the Repair and Replacement Reserve, and that it will collect and account for and apply the aforesaid income and revenues in accordance with and as provided by this Resolution. Student service charges for the general use of the facilities will be assessed against and charged to each and every student enrolled for credit in the University of Illinois at the Medical Center as a condition precedent to enrollment, except that exemptions from the payment of the student service charges may be granted under policies established from time to time by the Board of Trustees for certain limited classes of students (such as scholarship students and graduate students holding staff appointments) if the University then has, in addition to the amount specified in Section 5.03 and in any resolution supplemental hereto, unallocated funds authorized by law to be retained in the Treasury of the University in an amount equal to all student service charges for which exemptions are then being granted and if the University shall forthwith deposit into the Medical Center Bond Fund an amount equal to the aggregate of all such exempted student service charges; provided, however, that no such deposit need be made by the University at any time when the only effect of such deposit would be to create surplus moneys in the Medical Center Bond Fund, under sub-section (d) of Section 5.02 of this Resolution.

SECTION 7.08. *Record Keeping.* That it will, so long as any of the Bonds issued hereunder remain outstanding and unpaid, keep proper and separate books



of accounts and records in which full, true and correct entries will be made of all dealings and transactions relating to the properties, business and financial affairs of the University as related to the facilities and such records and books shall be open to inspection by the Bond holders and their agents or representatives.

**SECTION 7.09. *Audit Reports and Furnishing of Same.*** That it will as soon as practicable after the end of each fiscal year commencing with the fiscal year ending June 30, 1965, 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 at the Medical Center campus 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. *Business Interruption Insurance.*** 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 Medical Center Union Building and residence hall in an aggregate amount not less than one year's debt service requirements. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois and all monies collected on account of loss covered by any such insurance shall be held in trust by the Board of Trustees and credited to the Medical 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 supplemented hereto expressed and such default shall have continued for a period of one hundred eighty (180) days;

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

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

All of the revenues of the facilities including all sums in the Medical 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 8.02. *Rights of Holders of Bonds Upon Default.* Subject to any contractual limitations binding upon the holders of any of the Bonds (including any other limitations herein upon the exercise of any remedy to holders holding a specific proportion or percentage of the Bonds), any holder of Bonds shall have the right, for the equal benefit and protection of all holders of Bonds similarly situated:

(a) By suit at law or proceedings in equity to compel observance by the University or by any of its officers, agents, and employees of any contract or covenant made by the University with the holders of bonds and coupons as provided in this Resolution, and to compel the University and any of its officers, agents and employees, to perform any duties required to be 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 by registered or certified mail, postage prepaid, not less than thirty (30) nor more than sixty (60) days before such meeting, to each registered owner of Bonds then outstanding, at his address, appearing upon the books of registration, and in the event there shall then be outstanding any coupon Bonds which shall not be registered as to principal such notice shall also be published by the University at least once a week for two (2) successive weeks in a daily newspaper published in the English language and having a general circulation in the City of Chicago, State of Illinois, and also by similar publication in a financial newspaper published in the Borough of Manhattan in the City and State of New York, the first publication to be not less than thirty (30) nor

more than sixty (60) days prior to the meeting; provided however, that in any case where publication shall be required as herein before set forth the mailing of such notice shall in no case be a condition precedent to the validity of any action taken at any such meeting.

SECTION 9.03. *Attendance in Person or by Proxy.* Attendance and voting of Bond holders at such meeting may be in person or by proxy. Owners of Registered Bonds may, by an instrument in writing under their hands, appoint any person as their proxy to vote at any meeting for them.

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

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

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

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

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

(b) To clarify any ambiguity or to clarify, correct or supplement, any defect or inconsistent provision contained in this Resolution or any resolution supplemental hereto; 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 determine, new Bonds so modified as to conform to such action shall be prepared and delivered, and upon demand of the holder of any Bond then outstanding shall be exchanged at the office of the Comptroller of the University, without cost to any Bond holder, for Bonds then outstanding, upon surrender of such Bonds with all unmaturing coupons, if any, appertaining thereto.

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

## ARTICLE TEN

### MISCELLANEOUS

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

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

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

Any such funds held by the depository which have not been disbursed in the payment of Bonds and interest as aforesaid during the period of ten (10) years after the deposit referred to in the foregoing paragraph, shall be repaid to the University by the paying agent on written request of the University together with the schedule of the Bonds not paid or redeemed and thereupon the holder of any of the Bonds or coupons entitled to receive such payments, shall thereafter look only to the University for the payment thereof; provided, however, that the depository before being required to make such repayment, shall at the expense of the University, effect publication once a week for two



successive weeks in a daily newspaper published in the English language, and having a general circulation in the City of Chicago, State of Illinois, and also by a similar publication in the Borough of Manhattan in the City and State of New York, a notice to the effect that said moneys have not been so applied and that after a date named in said notice, any unclaimed balance of said moneys then remaining will be refunded to the University.

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

**SECTION 10.04. *Execution of Documents by Bond Holders.*** Any request, declaration or other instrument which this Resolution may require or permit to be signed and executed by Bond holders may be in one or more instruments of similar tenor, and shall be signed or executed by Bond holders in person or by their attorneys-in-fact appointed in writing.

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

Except as otherwise herein expressly provided in this Resolution, the amount of Bonds transferrable 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 or of 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.

#### CONTRACTS FOR CONSTRUCTION OF MEDICAL CENTER UNION BUILDING AND RESIDENCE HALL IN CHICAGO

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the construction of the Medical Center Union Building and Residence Hall for Women at the Medical Center in Chicago, the award in each case being to the lowest bidder:

General—Mayfair Construction, Company, Chicago.....	\$2 142 900
Base bid .....	\$2 122 900
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	20 000
Plumbing, Drainage, and Fire Protection—Bruno Francis Plumbing & Heating Co., Chicago.....	163 857
Heating, Refrigeration, Automatic Temperature Control—Utility Air Conditioning and Heating Co., Oak Park.....	310 600
Ventilation and Air Conditioning—Cicero Sheet Metal, Inc., Cicero..	124 339
Electrical—Gerson Electric Construction Co., Chicago.....	335 625
Food Service Equipment—Century Equipment Co., Chicago.....	126 851
Insulation and Pipe Covering—Chicago Pipe and Boiler Covering Co., Chicago .....	46 800
Total .....	\$3 250 972

The combined project will be two buildings, a Union Building and a Residence Hall for Women. The Union will be a low rise structure of two stories with basement containing food service facilities, conference rooms, the University bookstore, and social, cultural, and recreational facilities. The Residence Hall will be six stories with a lower level containing study-bedroom space for 177 women students and six guest rooms.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$3,250,972; and that an agreement be entered into with the Mayfair Construction Company for the assignment of these other contracts for \$20,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds for this project will be available through the sale of revenue bonds, gifts, and present operating surplus in auxiliary accounts.

A schedule of all bids received is submitted herewith, and a copy is filed with the Secretary for record.

I concur.

Mr. Farber, in comments on the award of these contracts, stated that the low bidders on food service equipment and on electrical work did not indicate, in the space provided on the proposal form, acknowledgment of the receipt of three addenda to the specifications. By not acknowledging receipt of the addenda, there was no assurance they received same, or that the bid included any changes covered. However:

The architects advised the University that Addendum I was issued as part of the specification book initially and should not have been designated as an addendum.

The architects further advised that Addenda II and III contained mostly clarifications, but did include revisions which might add \$100 to the electrical bid if the bidder was not aware of the addenda.

The low bidders have indicated that acknowledgment of the addenda referred to as numbers, I, II, and III, was inadvertently omitted and that the addenda do not affect their bids.

In response to questions from members of the Board, Mr. Farber stated that the bid prices received were firm and that the lack of acknowledgment of the addenda on the proposal forms should be considered a minor irregularity and should be waived. Mr. Costello and Mr. Havens concurred.

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

#### **A NATIONAL HUMANITIES FOUNDATION**

(26) I have transmitted to you the report of the national Commission on the Humanities, the culmination of a year-long study sponsored by the United Chapters of Phi Beta Kappa, the American Council of Learned Societies, and the Council of Graduate Schools in the United States.

As you may have noted from the report, its central feature is the recommendation that Congress establish a National Humanities Foundation and appropriate funds for its operation. In its analysis the Commission stresses the essential role of the humanities in shaping and strengthening our national ethic, our taste, our imagination, our aesthetic sense, and our spiritual lives. The new foundation, the Commission believes, will help insure that the study and practice of the humanities will remain strong and vigorous not only in our colleges and universities but throughout our society.

You will recall that I reported to you in November that the Association of American Universities, of which the University is a member, has endorsed the recommendation of the Commission. A bill to establish a National Humanities Foundation (the "Moorhead Bill," H. R. 12406) has been introduced in the House of Representatives and referred to the Committee on Education and Labor.

Obviously this subject should have wide public discussion. Moreover, the implementation of the recommendation is of great importance to higher education in general and to the University of Illinois in particular.

On motion of Mr. Dilliard, the Board voted to support the action of the Association of American Universities endorsing the idea of a National Humanities Foundation.

#### **THE UNIVERSITY OF ILLINOIS AND PLANS FOR THE FUTURE**

(27) The proposals which are being submitted today to the Board of Trustees for long-range planning for additional branch campuses and for an emergency

interim operation at Navy Pier are the result of internal analyses made over a period of some six years. The recommendation that prompt attention be given to these proposals arises from our conviction that the enrollment demand in the years immediately ahead will exceed capacity of junior colleges, state universities, and private institutions even if the Master Plan for Higher Education in Illinois, as adopted by the Board of Higher Education, is fully implemented.

We have learned from our experiences in developing the new program at Chicago Circle that it takes at least two years to make the population and site surveys, and to develop educational programs which may serve as a basis for legislative decision and appropriation. It then takes four additional years to acquire land, complete architectural and engineering plans, and construct the buildings.

Hence, 1971 is the earliest that a new campus could be occupied.

In the meantime, it is our intention to help the junior colleges, to expand existing campuses, and to do everything possible to meet the accelerating demand for enrollment and educational opportunity.

The final report on this subject, which is now being submitted to the Board for approval, was sent to the Trustees in advance of today's meeting. Preliminary reports were previously considered by the Committee on General Policy and the Trustees in conferences in October and November.

### Introduction

"The opportunity to study in institutions of higher education should be available to all young people who may reasonably be expected to benefit from such study."<sup>1</sup>

"Illinois must provide opportunity for higher education to all of its youth who have the preparation, ability, and serious intent to proceed beyond high school."<sup>2</sup>

"The University of Illinois is a great resource for Illinois and its people and for the Nation. It is the hope of all who are involved in the University's work that the plans for the future will take full advantage of its present strength and its potentialities for the unusual opportunities which lie ahead."<sup>3</sup>

The above quotations illustrate the desire of the Board of Higher Education and of the University of Illinois to meet the need for increased opportunities for higher education in Illinois. These opportunities must be provided to make it possible for the individual and society to move forward to new economic, social, cultural, and technological heights.

The University of Illinois has a firm policy of close cooperation with the Board of Higher Education. The Board of Trustees in its meeting of July 22, 1964, endorsed the Master Plan for Higher Education in Illinois. It called "upon all citizens and officers of the State to join in support of the Master Plan and in its prompt implementation to the end that opportunity for advanced education should continue to be widely available to Illinois youth."

The University of Illinois takes seriously its responsibility to serve to its fullest potential in meeting the educational needs of the youth of Illinois. It also has a commitment to assist and cooperate with other institutions, especially in ways that it is uniquely fitted to do, in implementing the Master Plan for Higher Education in Illinois.

### Proposals to Help Meet the Needs

The University of Illinois, in carrying out its responsibilities to help meet the needs for higher education, proposes the following actions:

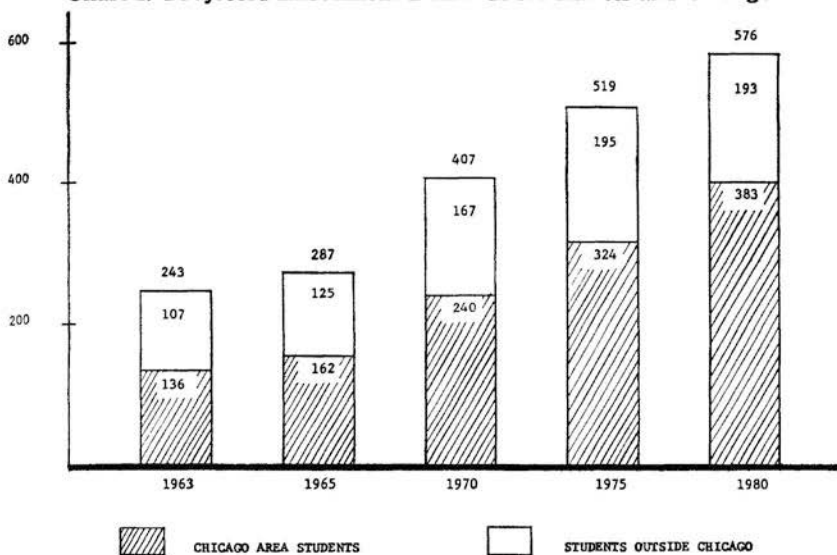
- a. The completion of the construction at the Chicago Circle campus as now planned.

<sup>1</sup> Policy statement adopted by the Illinois Board of Higher Education in October, 1962, and quoted in "A Master Plan for Higher Education in Illinois," July, 1964, page 6.

<sup>2</sup> "Educational Directions at the University of Illinois," a statement by the University Study Committee on Future Programs, January, 1963.

<sup>3</sup> "Goals and Functions of the University of Illinois," a report submitted to the Illinois Board of Higher Education by David D. Henry, President of the University, December 5, 1963.

Chart I. Projected Enrollment Demands for Illinois and Chicago



\* All figures shown in thousands

Basic Source: Report of Master Plan Committee A (Increased by 4%)

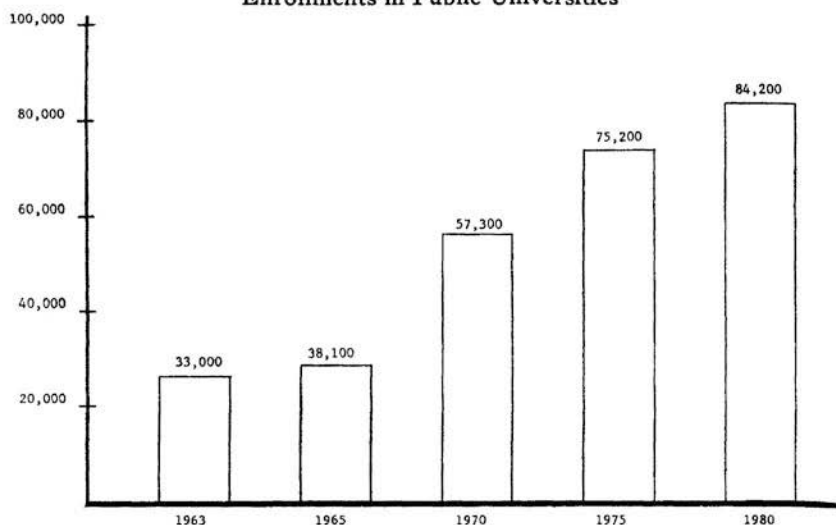
- b. The further analysis of enrollments to be accepted at the Chicago Circle campus, the Urbana-Champaign campus, and the Medical Center. This analysis will include the various undergraduate and graduate levels. It will take into account the enrollment pressures at these various levels at which the University is peculiarly fitted to make its greatest contribution to Illinois and the nation.
- c. The carrying forward of programs of long-term planning for additional four-year branches in the heavily populated areas of Illinois. This is in line with the Master Plan for Higher Education requirements for public universities to increase their capacities.
- d. The seeking of an immediate authorization to operate a higher-education program at Navy Pier in Chicago, opening not later than September, 1966. This date might be advanced as circumstances would justify. This program would be oriented toward a four-year liberal arts and sciences degree with University admission requirements. This program should not be viewed as a part of the junior college program of the Master Plan. This will help meet the immediate demands during the interval required for the implementation of the Master Plan and the more-than-anticipated numbers of qualified students requesting admission to the University of Illinois.
- e. The offering of assistance to the Board of Higher Education and other state and local agencies in the development and expansion of junior college programs in Illinois.

These proposals are based upon analyses of the long-term and of the immediate needs, the highlights of which are summarized herein. The proposed programs are given in greater detail at the conclusion of this document.

#### Analysis of the Long-Term Need

The Master Plan for Higher Education in Illinois has projected the number of college-age youth in Illinois and in each Standard Metropolitan area, including Chicago. "Assuming a conservative increase in the rate of college atten-

**Chart II. University of Illinois' Proportionate Share of Projected Enrollments in Public Universities**



Basic Source: Report of Master Plan Committee A

dance," Study Committee A of the Master Plan Committee projected the percentage of this age group that would enroll in degree-granting institutions. The experience of 1963 and 1964 indicates that these projections are too conservative and should be increased by at least 4 per cent. Chart I gives the resulting data. (These statistics are derived from studies prepared for the Master Plan. Other statistics could be and have been developed, but these differ only in base and in scale, they do not negate the basic fact of a very great growth of college enrollments; these more recent studies generally indicate that the projections made herein are still too conservative.)

It will be noted that the college enrollments for the state as a whole will more than double between 1963 and 1980. The enrollments in the six counties which make up the Chicago area will almost triple in the same period. Put in another way, compared to 1963 when there were 243,000 students attending colleges in Illinois, there will be 162,000 more students in Illinois institutions in 1970, and 333,000 more in 1980.

To help meet the need noted in this analysis of population and college-going rates of growth, the Master Plan projects a great growth of public universities. It also calls for a 97 per cent enrollment increase in public junior colleges by 1970, a 41 per cent increase in private institutions, and a 51 per cent enrollment increase in the Chicago Teachers Colleges by 1970. If these increases do not take place, particularly in the junior colleges which require tripling enrollments by 1980, the pressure on the public universities will increase greatly. As the junior colleges develop, they will turn out students who will be ready for upper division and graduate work at the university level. Meanwhile, the proportion of students who enroll initially in the state universities and who stay on for advanced work will also increase.

Chart II shows a projection of the growth of the University of Illinois. Committee A of the Master Plan projected the growth of enrollments in all public universities in Illinois. In 1963, the University of Illinois had a fraction over 40 per cent of the total enrollment in these universities. This same percentage was applied to the projected enrollments at public universities to give a projection for the growth of the University of Illinois. As has been noted, the Committee A figures are conservative.

This chart shows a growth at the University of Illinois from 1963 enrollment of 33,000 to 38,000 in 1965. Then with the increase largely at Chicago Circle and to a lesser extent at Urbana-Champaign it will increase to 57,300 in 1970. The Master Plan Committee A report projected continued large increases in public universities in the years after 1970. If the University continues its proportion, it will increase to 75,200 in 1975, 84,200 in 1980.

No detailed planning for such expansion of the University of Illinois beyond 1970 has been done; it needs to be started now. If occupancy of a new campus is to be realized in the fall of 1971, the following schedule should be considered minimal:

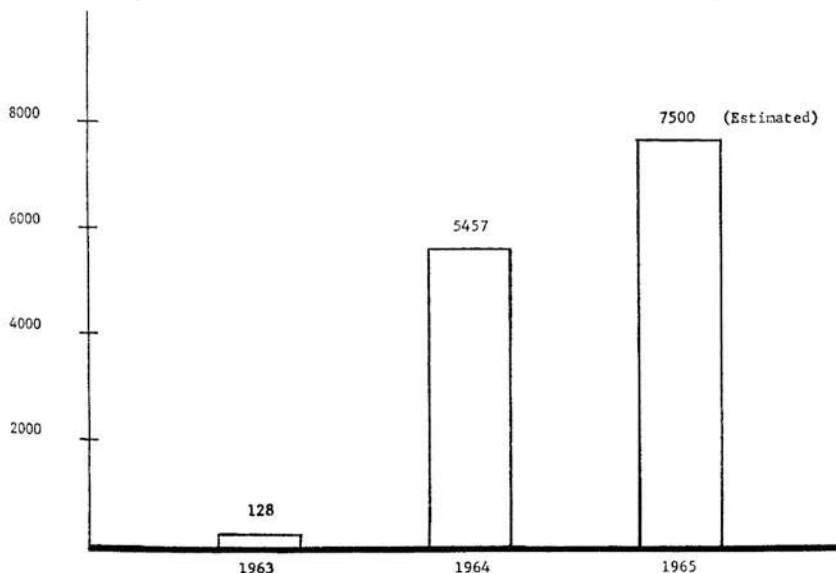
- 1965-67 — Survey of metropolitan areas for site selections and approval.  
Development of academic program and detailed space requirements.
- 1967-69 — Acquisition of site.  
Completion of architectural and engineering planning and bid documents.
- 1969-71 — Construction.

#### Analysis of the Immediate Need

As noted on Chart III, in September, 1963, 128 qualified applicants were denied admission to the University of Illinois. In September, 1964, 5,457 qualified students were denied admission at the Urbana-Champaign and Chicago Undergraduate Division. These were qualified students, not the many thousand more who applied but were judged on their records as not sufficiently qualified. For September of 1965, the University of Illinois is scheduling places for 3,000 more students at Chicago Circle and for 1,000 more at Urbana. However, it is conservatively estimated that the University will still turn away 7,500 qualified students.

The Master Plan for Higher Education in Illinois, as already noted, assumes in addition to the expansion of the public universities, a very rapid expansion of junior colleges and an expansion of private institutions. Unfortunately, there is

Chart III. Qualified Students Denied Admission to the University of Illinois



Basic Source: Dean of Admissions, University of Illinois



*no present indication that such expansion will occur at the expected rate. The Master Plan also assumes that the present percentage of college bound students migrating outside of the State of Illinois will continue. In 1963, 49,009 undergraduate students left the state for college and 24,362 students came into the state for college. Thus, Illinois was a net exporter of 24,647 undergraduate students. Recent actions in neighboring states lead one to the assumption that Illinois' position as a net exporter may be changed in the coming years.*

These facts and trends emphasize the urgent need for immediate action on the part of the University of Illinois to expand educational opportunity for these qualified students as rapidly as possible.

### **A Program to Help Meet Long-Term Needs**

As has been noted, the Master Plan for Higher Education calls upon public universities to increase their capacities. The University of Illinois, in meeting its responsibilities, proposes to:

*A. Complete construction at Chicago Circle as planned.*

Architects have been employed for the second phase of construction at Chicago Circle. This work can be started in the fall of 1965 and new facilities be available for use in the fall of 1967. This phase of the program, together with the completion of the third phase as planned, is essential if this campus is to meet its share of the increased enrollment.

*B. Continue its analysis of enrollments to be accepted and the resulting changes at the Urbana-Champaign, Medical Center, and Chicago Circle campuses in order to provide for an increased number of upper division and graduate students, while preserving commitments as to undergraduate enrollments.*

The expansion of the junior college program in Illinois will affect materially the ratios of academic levels in existing universities. Expansion of the junior college program in itself will be inadequate unless an outlet for students in upper division work is also provided. Detailed studies on the required capacities, or the changes in existing space will be made.

*C. Start promptly long-range studies through 1980 for the development of additional permanent facilities to provide four-year programs in such metropolitan areas of Illinois.*

The greatest demands for enrollments will be coming from the metropolitan areas of the state. The analysis of demands indicate that this will be especially great in the six counties making up the Chicago area. Though of less magnitude, there will also be demands in other metropolitan areas. Therefore, long-range studies need to be made of these metropolitan areas.

The educational programs to be carried on in these new branches will be based upon planning studies of the needs of the commuting students and the relationship of such branches to other branches and programs of the University and of other educational institutions. They will be designed to take advantage of new educational techniques that have been developed and experiments that have taken place. They may also pioneer in educational programs which may then be adapted to existing programs. Guiding this planning will be advisory committees made up of administrative officers and faculty members of the University of Illinois, working in consultation with educators from other public and private universities in the metropolitan areas and with interested citizens. The educational programs thus planned, when approved by the University Board of Trustees, will be submitted to the Board of Higher Education for approval.

A tentative budget for the first phase, 1965-67, of this program is \$200,000 for the employment of professional services on surveys and recommendations on site selections in the metropolitan areas together with preliminary planning on the academic program and required facilities.

### **A Program to Meet Immediate Needs**

The time required for activation of the junior college program, the limitations on rapid and large immediate expansion in all institutions, the possible

ecline in opportunities for students to attend college outside of the state, and the increased enrollment demands indicated by the turning away of qualified students necessitate a program to meet the immediate needs in the Chicago area. Therefore, the University of Illinois offers to:

- A(1) *Initiate negotiations with the City of Chicago to continue the University's lease on the space at Navy Pier, Chicago, in order to offer instruction not later than September, 1966. This date might be advanced as circumstances would justify.*

Under present arrangements, the University will move from Navy Pier in February, 1965, when the new Chicago Circle campus is to be activated. (The Drill Hall, however, will continue to be used by the University for its Physical Education program until the fall of 1967, when construction on permanent gymnasium facilities will be completed at the Chicago Circle campus.)

The establishment of a temporary additional campus in the Chicago area should be done at a minimum cost and within the allotted time. The leased facilities at Navy Pier are better adapted than any other in this area for prompt activation. The leased area (approximately 500,000 square feet) will require rehabilitation and the purchase of new equipment, as most of the usable equipment now at Navy Pier has been scheduled for reuse at Chicago Circle. A tentative budget for the rehabilitation and equipment of the facility is given in Appendix "A."

- B(1) *Plan and operate an undergraduate academic program at Navy Pier.*

This facility will offer liberal arts and pre-professional courses for 3,000 students beginning not later than September, 1966, and increasing to the capacity of 5,000 students. This program will start with freshman and sophomore courses and, after experience and evidence of need, will offer upper division courses in the liberal arts and sciences. Such a program may be effectively integrated with the long-range planning proposed. A tentative budget for the operation of this program in 1965-67 is given in Appendix "B."

### Assistance to Junior Colleges

An integral part of the Master Plan to meet the projected enrollments in Illinois is the major expansion of the junior college program.

If such a program does not materialize within the required time, the burden on the other institutions will be increased greatly. While the University of Illinois has no institutional responsibility for the junior college program, and does not intend to organize or administer junior colleges, if its services may be of assistance to help develop the junior college program in Illinois, the University will cooperate fully. President Henry on October 16, 1961, publicly offered the services of the University to assist in the development of junior colleges in Illinois. The University renews this offer to assist in this important program.

### Appendix A. Preliminary Estimate of Capital Funds Required for Activation of New Program at Navy Pier

	1965-67 Biennium
Remodeling and Rehabilitation of Leased Area and Acquisition of Movable Equipment and Refinishing Existing Equipment.....	\$2 000 000
Installation of Fire Alarm System.....	15 000
Library Books .....	280 000
Interior Painting .....	165 000
Purchase and Installation of Food Service Equipment plus Dining Room and Cafeteria Tables and Chairs.....	110 000
Conversion of Telephone System to Centrex.....	1 000
Replacement of Stacks, Breeching and Overhauling of Heating Plant..	55 000
<i>Total</i> .....	<i>\$2 626 000</i>

**Appendix B. Preliminary Estimate of Operating Funds Required  
for Activation of New Program<sup>1</sup> at Navy Pier  
and Long-Range Academic Planning**

	<i>1965-66 Annual Amount</i>	<i>1966-67 Annual Amount</i>	<i>1965-67 Biennial Amount</i>
General Administration, General Expense, Library, and Academic Planning.....	\$ 500 000	\$ 892 600	\$1 392 600
Instruction.....		2 025 000	2 025 000
Physical Plant			
Operation and Maintenance.....	375 000	725 000	1 100 000
Navy Pier Rental.....	200 000	200 000	400 000
<i>Total</i> .....	<i>\$1 075 000</i>	<i>\$3 842 600</i>	<i>\$4 917 600<sup>2</sup></i>

At the conclusion of the President's presentation, and following general discussion of the proposals, Mr. Johnston, for the Committee on General Policy, made the following statement:

"The Committee on General Policy, having previously considered this matter in separate studies and in consultation with the University officers concerned, recommends that the Board authorize the President to explore the feasibility of the proposal and the program for campus planning with the Board of Higher Education and to seek consideration of both measures by the Governor and the General Assembly as the Board of Higher Education may approve, with the hope that the Board of Higher Education will find it possible to give such consideration as soon as possible."

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

**CONFERENCE ON LONG-RANGE FINANCING  
OF EDUCATIONAL TELEVISION STATIONS**

Mr. Swain presented a report on behalf of Mr. Dilliard and himself of a conference in Washington, D.C., on long-range financing of television stations which they attended as representatives of the Board of Trustees. Other University representatives were Dean Theodore B. Peterson of the College of Journalism and Communications, and Mr. Frank E. Schooley, Director of Broadcasting. The conference was called by the Educational Television Stations, a Division of the National Association of Educational Broadcasters, and was held as part of the study now being done by ETS under a grant from the United States Office of Education, Department of Health, Education, and Welfare.

Copies of Mr. Swain's report were distributed to the Trustees, and a copy was filed with the Secretary for record.

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments to the faculty made by the President; resignations, declinations, cancellations, and terminations; leaves of absence.

<sup>1</sup> Based on an enrollment of 3,000 students in 1966-67, carrying newly planned beginning programs in the liberal arts and sciences and with no summer school program in 1966-67.

<sup>2</sup> Does not include any provisions for retirement contributions or funds for salary adjustments.

# APPOINTMENTS MADE BY THE PRESIDENT

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

- ARONSON, JOAB K., Visiting Lecturer in Chemistry, Chicago Undergraduate Division,  $\frac{2}{3}$  time, academic year, \$4,666 (11-16-64).
- BARISH, WILLIAM B., Lecturer in Chemistry, Chicago Undergraduate Division, nine months from September 16, 1964, \$7,000 (11-16-64).
- BARTKY, MRS. SANDRA L., Assistant Professor of Philosophy, Chicago Undergraduate Division,  $\frac{1}{2}$  time, academic year, \$3,750 (11-6-64).
- BARTLETT, JAMES H., Professor of Physics (C), Semester I, 1964-65, \$5,650, supersedes (10-19-64).
- BERG, CHARLES, Instructor in Operative Dentistry, College of Dentistry, one year from September 1, 1964, \$8,600, supersedes (10-12-64).
- BOWDEN, PIERS B., Research Associate in Physics (C), five months from September 1, 1964, \$4,084, supersedes (11-7-64).
- BUDDEMEIR, W. D., Chief of Party and Adviser in Administration for service at the Jawaharlal Nehru Agricultural University, Jabalpur, M. P., India, on Contract AIDc-1453, for two years from November 10, 1964, \$18,700 a year; and Professor of Farm Management, Department of Agricultural Economics (C and S), indefinite tenure from November 10, 1966, supersedes (11-16-64).
- COBB, A. C., Professor of Theoretical and Applied Mechanics, on indefinite tenure, and Acting Head of the Department of Energy Engineering, Chicago Undergraduate Division, one year from September 1, 1964, \$12,500 a year, on an academic year service basis, supersedes (11-6-64).
- DEES, DENZIL E., Instructor in Veterinary Anatomy and Histology, College of Veterinary Medicine,  $\frac{2}{3}$  time, beginning November 1, 1964, on an academic year service basis, \$4,041.60 (11-5-64).
- DIMICK, ROBERT C., Assistant Professor of Mechanical Engineering (C), seven and one-half months from November 1, 1964, \$7,500 (11-16-64).
- DUNPHY, JAMES V., Clinical Instructor in Medicine, College of Medicine,  $\frac{1}{4}$  time, eleven months from October 1, 1964, \$2,650 a year, supersedes (11-16-64).
- ECONOMOU, STEVEN G., Clinical Associate Professor of Surgery, College of Medicine, 15/100 time, ten months from November 1, 1964, \$1,800 a year, supersedes his nonsalaried appointment (11-16-64).
- FELLA, GALE A., Sanitarian and Associate in Health Science, in the Health Service, nine months from December 1, 1964, \$8,800 a year (11-6-64).
- FRIEDBERG, SEYMOUR, Acting Chief, Section on Communication Studies, Office of Research in Medical Education-Center for Study of Medical Education, College of Medicine, eight months from January 1, 1965, \$11,750 a year (11-16-64).
- GAUCHER, GEORGE M., Research Associate in Chemistry, eleven months from October 1, 1964, \$7,500 a year (11-23-64).
- GLADNEY, FRANK Y., Instructor in Russian, Department of Slavic Languages and Literatures,  $\frac{3}{4}$  time, Semester II, 1964-65, \$2,500, supersedes (11-16-64).
- GOINS, THOMAS L., Research Associate in the Central Office on the Use of Space,  $\frac{1}{2}$  time, November 16, 1964-August 31, 1965, \$4,354.14 (11-6-64).
- GREEK, WILLIAM J., Clinical Assistant Professor of Public Health, College of Dentistry, one year from September 1, 1964, without salary (11-23-64).
- HANSMAN, ROBERT H., Research Associate in Geology, one year from September 1, 1965, \$9,000 (11-16-64).
- HARRISON, ROBERT M., Research Associate in Soil Chemistry, Department of Agronomy (S), seven months from November 8, 1964, \$7,200 a year (11-16-64).
- JOHNSON, HUGH S., Assistant Professor of Animal Science (E), nine months from December 1, 1964, \$10,500 a year, supersedes (11-27-64).
- JONES, STANLEY E., Assistant Professor of Speech, Division of General Studies and Department of Speech and Theatre, academic year, \$7,300, supersedes (10-6-64).
- KASNER, FRED E., Instructor in Chemistry, Chicago Undergraduate Division,  $\frac{1}{2}$  time, academic year, \$3,000 (11-6-64).
- KOO, PING L., Research Associate in Psychology, November 4, 1964-August 31, 1965, \$8,270 a year (11-7-64).

- MANHAS, BALDEV S., Research Associate in Chemistry, ten months from November 1, 1964, \$6,100 a year, supersedes (11-16-64).
- MCCUNE, SHANNON, Professor of Geography, indefinite tenure, without salary; this is in addition to his appointment as Staff Associate in the President's Office (11-7-64).
- MONTAGUE, WILLIAM E., Assistant Professor of Psychology, Semester II, 1964-65, \$4,750, supersedes (11-16-64).
- MRAZEK, RUDOLPH G., JR., Clinical Associate Professor of Surgery, College of Medicine, 15/100 time, ten months from November 1, 1964, \$1,800 a year, supersedes his nonsalaried appointment (11-16-64).
- NELLI, HUMBERT S., Instructor in History, Chicago Undergraduate Division,  $\frac{1}{2}$  time, Semester II, 1964-65, \$1,500 (11-6-64).
- SASSOON, H. F., Research Associate in Animal Science (SS), nine months from December 1, 1964, \$7,000 a year (11-16-64).
- SAVOY, MICHAEL, Instructor in Chemistry, Chicago Undergraduate Division,  $\frac{2}{3}$  time, academic year, \$4,400, supersedes (10-27-64).
- SCHEGULLA, HORST, Instructor in Chemistry, Chicago Undergraduate Division, academic year, \$6,000 (11-7-64).
- SCHMITZ, RICHARD F., Instructor in Operative Dentistry, College of Dentistry, one year from September 1, 1964, \$7,200, supersedes (10-12-64).
- SCHROTH, EUGENE H., Extension Specialist, Allerton House, Division of University Extension, eleven months from October 1, 1964, \$9,240 a year; for the convenience of the University, he will also receive room and board; supersedes his nonacademic appointment (11-16-64).
- SKINNER, MARK F., Instructor in Psychology, Department of Psychiatry, College of Medicine,  $\frac{1}{5}$  time, October 15, 1964-August 31, 1965, \$1,800 a year (11-7-64).
- SNOW, GARY S., Assistant Professor of Ceramic Engineering (C), effective November 9, 1964, on an academic year service basis, \$7,234, supersedes (11-30-64).
- SOHN, DAVID M., Instructor in Oral and Maxillofacial Surgery, College of Dentistry,  $\frac{1}{5}$  time, one year from September 1, 1964, \$1,550; and Clinical Instructor in Surgery, College of Medicine, one year from September 1, 1964, without salary, supersedes (9-22-64).
- STEIN, HERBERT J., Assistant Professor of Electrical Engineering and Acting Head of the Department of Information Engineering, Chicago Undergraduate Division, one year from September 1, 1964, on an academic year service basis, \$9,300 a year, supersedes (11-6-64).
- STENCE, NANCY F., Instructor in Nursing, Winter and Spring Quarters beginning January 1, 1965, \$6,300 a year (11-16-64).
- SUGIURA, MASHIRO, Research Associate in Botany, nine months from December 1, 1964, \$6,400 a year, supersedes (11-16-64).
- THOMPSON, EDWARD C., Clinical Assistant Professor of Oral and Maxillofacial Surgery, College of Dentistry, one year from September 1, 1964, without salary (11-23-64).
- TOMLINSON, ROBERT M., Assistant Professor of Vocational and Technical Education, College of Education, and Head of the Instructional Materials Division, in the Office of Instructional Resources, academic year, \$9,750, supersedes (11-16-64).
- WRIGHT, JOHN S., Professor of Marketing, Chicago Undergraduate Division, two months from January 1, 1965, \$1,555.55 a month; this is in addition to his appointment as Professor of Marketing, Chicago Undergraduate Division, indefinite tenure from March 1, 1965 (11-16-64).

**RESIGNATIONS, DECLINATIONS, CANCELLATIONS,  
AND TERMINATIONS**

- BASSEL, ALIX I. R., Research Associate in Botany — resignation effective November 7, 1964.
- BOGDANSKA, HALINA, Research Associate in Animal Science — resignation effective November 24, 1964.
- FALICOV, CELIA J., Instructor in Psychology (Medicine) — declination effective September 1, 1964.
- FLAHERTY, MRS. RITA M., Instructor in Nursing — resignation effective December 29, 1964.

- FUCIK, JOHN E., Instructor in Pomology (Horticulture) — resignation effective January 1, 1965.
- GIBSON, ROBERT K., Assistant in Microbiology (Medicine) — resignation effective November 1, 1964.
- HANDELMAN, CHESTER S., Research Associate in Administration, assigned to Cleft Palate Center (Dentistry) — termination effective November 1, 1964.
- MILLER, ROBERT A., Research Associate in Horticulture — cancellation effective September 1, 1964.
- OPPERMANN, JUTTA L., Assistant in Veterinary Pathology and Hygiene — resignation effective January 1, 1965.
- RODGERS, FRANCIS, Assistant Reference Librarian with rank of Assistant Professor — resignation effective December 30, 1964.
- SHARMA, KAMAL N., Visiting Research Assistant Professor of Psychology and of Physiology — resignation effective December 1, 1964.
- SLYTER, LEONARD L., Research Associate in Dairy Science — resignation effective December 5, 1964.
- SUMINO, KOJI, Research Associate in Metallurgical Engineering — resignation effective January 1, 1965.
- TAKAYAMA, TAKASHI, Visiting Professor of Agricultural Economics — resignation effective February 1, 1965.

#### LEAVE OF ABSENCE

- LEWIS, EDWARD G., Professor of Political Science — leave of absence, without pay, for the academic year 1965-66 so that he may accept a Visiting Professorship in the Chester W. Nimitz Chair of Social and Political Philosophy at the United States Naval War College.

#### REPORTS AND ANNOUNCEMENTS FROM THE PRESIDENT OF THE BOARD

##### FUTURE BOARD MEETINGS

###### *January*

The January meeting will be held in the Board of Directors' Room of the First National Bank of Chicago on Wednesday, January 20, 1965, on invitation of the Bank officials.

###### *February*

The February meeting will be held on Wednesday, February 17, 1965, at the Medical Center.

###### *March (Annual Meeting)*

The By-Laws of the Board provide that "the Board of Trustees shall hold an annual meeting on the second Tuesday of March unless the date of such meeting be changed by vote of the Board." President Clement asked the Trustees if they desired to hold the 1965 annual meeting on the second Tuesday or to change the date.

On motion of Mrs. Watkins, the Board voted to change the date of the meeting from Tuesday, March 9, to Friday, March 12, 1965, to be held in Urbana, Illinois, at a place and according to a schedule to be determined by the President and the Secretary.

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*