

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

December 19, 1962



The December meeting of the Board of Trustees of the University of Illinois was held in the Morrison Hotel, Chicago, Illinois, on Wednesday, December 19, 1962, beginning at 10:00 a.m.

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

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Mr. C. C. Caveny, Assistant to the President, Chicago Office, 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; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

ADJOURNMENT OF NOVEMBER MEETING

The Board of Trustees at its meeting on November 9, 1962, recessed for luncheon and the program in dedication of the Radio Telescope in Danville, but did not reconvene.

On motion of Mr. Johnston, the November meeting adjourned.

INTRODUCTION OF MR. RAY PAGE

President Clement announced that Mr. Ray Page, Superintendent of Public Instruction-Elect, was present, having been invited to attend today's meeting as a guest of the Board of Trustees. Mr. Page was introduced by Mr. Wilkins.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of the Board of Trustees on June 20, 1962, press proof copies of which had previously been sent to the Board.

On motion of Mr. Swain, the minutes were approved as printed on pages 1499 to 1973, inclusive.

REPORT OF THE EXECUTIVE COMMITTEE

The Secretary presented the following report:

Contracts for Equipment for Heating Plant at Congress Circle

The Board of Trustees at its meetings on May 24 and June 20, 1962, awarded contracts for equipment for the heating plant to be constructed on the Congress Circle campus, but reserved the right of the University in each case to terminate the contract prior to September 15, 1962, and without cost to the University, by giving the contractor written notice of such termination. The Executive Committee was authorized to act for the Board on negotiations with contractors in exercising the University's right to terminate contracts or to extend the period during which they may be executed or terminated. The Executive Committee on August 16, 1962, extended the period in which the contracts may be executed or terminated to December 15, 1962.

Taking of bids for other construction on the Congress Circle Campus has now been postponed, so that it would be to the University's advantage to extend further the dates within which the University may execute or terminate the contracts for the heating plant. The Executive Committee reports that, on recommendation of the Director of the Physical Plant, the Vice-President and Comptroller, and the President of the University, it has authorized the extension of the period within which the following contracts may be executed, or terminated, to and including March 15, 1963. The contractors concerned have agreed to this extension.

High temperature water boilers, hot water pumps, and erection — International Boiler Works Company, East Stroudsburg, Pennsylvania...	\$235 597
Refrigeration equipment — T. F. Hanley Corporation, Chicago.....	185 859
Condenser water and chilled water circulating pumps — Allis-Chalmers Manufacturing Company, Chicago.....	20 493
Cooling tower — Floor Products Company, Oak Park.....	39 230
Switchgear and electrical equipment	
15 KV switchgear — Allis-Chalmers Manufacturing Company.....	38 200
5 KV switchgear — Allis-Chalmers Manufacturing Company.....	44 800
480 V substation — Allis-Chalmers Manufacturing Company.....	29 650
125-volt battery — Allis-Chalmers Manufacturing Company.....	5 794
Inverter-diverter and control panel — Allis-Chalmers Manufacturing Company	8 851

The Committee has also authorized termination of the following contracts with General Electric Company in view of the Company's policy that price escalation clauses would be applicable to these contracts if extended beyond December 15, 1963.

Switchgear and electrical equipment:

Motor control centers.....	\$ 7 025
D-C distribution cubicles.....	2 531

Termination of these contracts will not seriously affect progress of the work, assuming that the University may proceed with the construction program prior to March 15, 1963, since the equipment can be obtained under other contracts.

The Executive Committee action was taken on December 11 and official notices have been sent to the contractors.

EXECUTIVE COMMITTEE

WAYNE A. JOHNSTON

FRANCES B. WATKINS

HOWARD W. CLEMENT

Chairman

C. S. HAVENS

Clerk

This report was received for record.

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>CPA From</i>
EUGENE HOWARD DEUTSCH	Gary, Indiana	Indiana
KENNETH THOMAS DUFON	Hammond, Indiana	Indiana
JAMES LYLE JOHNSON	Macomb, Illinois	Minnesota
CHARLES HERBERT LIBBY	Oak Park, Illinois	New York
CLINTON ARTHUR PRUST	La Grange, Illinois	Wisconsin
HAROLD HARUNOBU TSUKUNO	Elmhurst, Illinois	District of Columbia

I concur.

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

APPOINTMENTS TO THE FACULTY

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

1. CHARLOTTE H. ALTMAN, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
2. JOSEPH H. DERIVERA, Research Associate Professor in the Institute of Communications Research, for the academic year 1962-63, on one-half time, at a salary of \$4,350 (E50).
3. PAUL DOLINKO, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
4. ROLLIN O. DUNSDON, Assistant Professor in the Bureau of Business Management, beginning October 15, 1962, at an annual salary of \$10,500 (BY).
5. FRIEDA H. ENGEL, Assistant Professor in the Jane Addams Graduate School of Social Work, beginning September 1, 1962, on one-fourth time, at an annual salary of \$2,025 (D25).

6. DUANE E. ERICKSON, Assistant Professor of Farm Management, Department of Agricultural Economics, beginning November 1, 1962, at an annual salary of \$9,000 (DY).
7. DAVID R. EVANS, Associate Professor of Entomology, Physiology, and Biophysics, for one month from August 1, 1963, at a salary of \$1,335 (G), and from September 1, 1963, at an annual salary of \$12,000 (A).
8. LYLE P. FETTIG, Assistant Professor of Agricultural Economics, beginning October 1, 1962, at an annual salary of \$8,500 (DY).
9. MORTIMER D. GROSS, Clinical Assistant Professor of Psychiatry, beginning October 1, 1962, without salary (DY).
10. HAROLD M. HYMAN, Professor of History, beginning September 1, 1963, at an annual salary of \$15,000 (A).
11. GUST A. LEDAKIS, Visiting Associate Professor of Law, for the second semester, 1962-63, at a salary of \$7,200.
12. ELISE E. LESSING, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
13. JOHN P. O'NEILL, Assistant Professor of Child Development, Department of Home Economics, beginning February 1, 1963, at an annual salary rate of \$7,000 (D).
14. THEODORE R. PECK, Assistant Professor of Soils Extension, Department of Agronomy, beginning December 1, 1962, at an annual salary of \$8,000 (DY).
15. ROBERT H. POLLACK, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
16. STEVEN P. QUIGLEY, Associate Professor in the Institute for Research on Exceptional Children, beginning December 1, 1962, at an annual salary of \$10,000 (D).
17. PAUL J. SANAZARO, Clinical Associate Professor of Medicine, beginning September 25, 1962, without salary (DY).
18. LESTER D. SAVAGE, JR., Assistant Professor of Mechanical and Industrial Engineering, beginning November 1, 1962, at an annual salary of \$9,000 (B).
19. MORRIS SCHEINMAN, Assistant Professor of General Engineering, beginning December 1, 1962, at an annual salary of \$8,400 (B).
20. PAUL W. SCHROEDER, Associate Professor of History, beginning September 1, 1963, at an annual salary of \$10,000 (A).
21. THOMAS G. SCOTT, Professor of Zoology, beginning September 1, 1962, without salary (DY).
22. PAUL H. SILVERMAN, Visiting Professor of Zoology, for five and one-half months from January 1, 1963, at a salary of \$7,639 (E).
23. ERIC W. SIMON, Visiting Associate Professor of Agronomy, for six months from April 1, 1963, at a salary of \$5,500 (G).
24. MARILYN VAN GOETHEM, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
25. JOHN S. WILLIS, Assistant Professor of Physiology and Biophysics, for nine months from December 1, 1962, at a salary of \$5,635 (B).

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

SABBATICAL LEAVE OF ABSENCE

(3) I recommend that Dr. Norman A. Graebner, Professor and Chairman of the Department of History, be given a sabbatical leave of absence on one-half pay for one year beginning with the second semester, 1962-63, and continuing through the first semester, 1963-64, in accordance with the provisions of the University of Illinois Statutes. Professor Graebner has been offered a Fulbright award for a lectureship in American diplomatic history at the University of Queensland, Brisbane, Australia, and will also continue his research on American policies in the Far East.

On motion of Mr. Swain, this leave was granted.

CHAIRMANSHIP OF THE DEPARTMENT OF HISTORY

(4) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Robert W. Johannsen as Acting Chairman of the Department of History for the second semester of the current academic year 1962-63, to succeed Professor Norman Graebner who will be on sabbatical leave

of absence for one year from the beginning of the second semester of this year, at an annual salary rate of \$11,800.

The Dean also recommends the appointment of Professor Johannsen as Chairman of the Department of History for two years from September 1, 1963, Professor Graebner having requested that he not be considered for reappointment as Chairman of the Department.

This recommendation is submitted after consultation with the Executive Committee of the Department and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

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

HEADSHIP OF THE DEPARTMENT OF CERAMIC ENGINEERING

(5) The Dean of the College of Engineering recommends the appointment of Professor Arthur L. Friedberg as Professor of Ceramic Engineering on indefinite tenure and Head of the Department of Ceramic Engineering beginning September 1, 1963, to fill the vacancy which will occur with the retirement of Professor A. I. Andrews at the end of the current academic year. The salary of the position will be determined when the budget for 1963-64 is submitted to the Board of Trustees for approval.

The recommendation for this appointment was initiated by a special search committee¹ appointed by the Dean which canvassed possible candidates both within and outside of the Department and of the University; and subsequently all members of the Department were consulted by the Dean. The Dean of the Graduate College and the Executive Vice-President and Provost have also been consulted and concur.

I recommend approval.

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

APPOINTMENT OF ASSOCIATE PROVOST FOR UNDERGRADUATE AFFAIRS

(6) The Executive Vice-President and Provost recommends the appointment of Professor Paul R. Shaffer of the Department of Geology as Associate Provost, effective February 1, 1963. Initially, this would be a half-time position for the academic year, and Professor Shaffer would continue his work in the Department of Geology on a proportionately reduced schedule.

As Associate Provost, Professor Shaffer would be primarily concerned with undergraduate affairs on the Urbana-Champaign campus, and with relationships between the undergraduate colleges on that campus and those on the other two campuses. His responsibilities would include problems related to undergraduate instruction, student services, regulations, housing, and other extracurricular affairs.

I concur.

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

COLLEGE OF PHARMACY ADVISORY COMMITTEE

(7) The Dean of the College of Pharmacy recommends the appointment of Michael J. Mankowski, 32 West Randolph Street, Chicago, as a member of the College of Pharmacy Advisory Committee for a term of five years from July 1, 1962, succeeding Mr. Reed G. Henninger, Riverside, whose term has expired.

I concur.

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

ADMISSION TO COLLEGE OF LIBERAL ARTS AND SCIENCES

(8) The Board on June 20, 1962, approved a recommendation from the Urbana-Champaign and Chicago Undergraduate Division Senates for revision of the minimum requirements for admission to the College of Liberal Arts and Sciences to include certain subjects.

¹J. W. Briscoe, Professor of Civil Engineering and Associate Head of the Department, Chairman; Alfred W. Allen, Professor of Ceramic Engineering; Ralph L. Cook, Professor of Ceramic Engineering; Harry G. Drickamer, Professor of Chemical Engineering and of Physical Chemistry; Robert J. Maurer, Professor of Physics; Victor J. Tennery, Research Assistant Professor of Ceramic Engineering.

The All-University Committee on Admissions and the two Senates concerned recommend, the Senate Coordinating Council concurring therein, addition of the following statement as a part of the minimum requirements for admission to the College of Liberal Arts and Sciences:

Students ranking in the upper 25 per cent of their high school graduating classes are eligible for admission with a deficiency in science, foreign language, or history. Such a deficiency must be compensated for by an equivalent amount of additional credit in the other subjects listed.

It is further recommended that these changes in requirements, including those approved June 20, 1962, become effective for students enrolling in June, 1965, and thereafter.

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

CHANGE IN GRADING SYSTEM

(9) On November 7, 1951, the Senate Committee on Student Discipline adopted a policy and procedures for dealing with student academic irregularities which directed that the grade of "DR" be recorded when a student is dropped from a course for dishonesty in an examination or other required work in the course. In the computation of scholastic averages, the grade of "DR" has been the equivalent of the grade of "E," indicating failure. This policy along with procedures for dealing with such cases was implemented by administrative action. Formal approval by the Board of Trustees was not deemed necessary under the 1936 University of Illinois Statutes then in effect.

The three Senates have now recommended, the Senate Coordinating Council concurring therein, that the grade of "DR" be discontinued, and that a grade of "E," indicating failure, be recorded when a student is dropped from a course for dishonesty. It is the opinion of the Senate Coordinating Council that this change in the grading system is a matter of educational policy which, under the present University Statutes, also requires approval by the Board of Trustees.

I recommend approval.

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

Mr. Dilliard asked if the fact that a grade of "E" was being reported for academic irregularity would be entered in the student's record and expressed the opinion that such should be the practice. President Henry stated that a report in answer to the question would be made at a subsequent meeting.

UNDERGRADUATE REQUIREMENT IN GENERAL EDUCATION

(10) A special All-University Committee on General Education completed a comprehensive study of the requirements and programs of the undergraduate colleges in general education (courses in the humanities, the social sciences, and the natural sciences), during the second semester of 1961-62. Over a period of several years, the Committee had studied programs in other universities and had conducted extensive discussions of the means of improving the general education of undergraduates at the University of Illinois.

In addition to several proposals for improved administrative arrangements, the Committee submitted concurrently to the three Senates the following recommendation for a change in graduation requirements in general education:

"Effective for all undergraduate students entering the University on or after June 1, 1964, each Senate of the University of Illinois add to the present single all-University course requirement for graduation (English composition), a minimum of six hours each in the humanities, the social sciences, and the natural sciences, respectively. Approved sequences should be distributed over at least three years."

The three Senates and the Senate Coordinating Council have approved the Committee's recommendations. The deans of the colleges have also been consulted.

I concur.

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

The Committee has also recommended, the Senates and the Senate Coordinating Council concurring therein, that:

Faculties of the individual colleges take immediate action to establish sequences in each of the basic courses, subject to approval by the appropriate Senate Committee on Educational Policy.

After three years of experience with these requirements, consideration be given to increasing the minimum in each of the three basic areas to nine semester hours and to including a reading knowledge of one foreign language.

These two recommendations are to the colleges and are being reported for the information of the Board and for record.

CENTER FOR INTERNATIONAL EDUCATION AND RESEARCH IN ACCOUNTING

(11) The Dean of the College of Commerce and Business Administration recommends establishment within the Department of Accountancy of a "Center for International Education and Research in Accounting" for the extension and formalizing of the Department's work in accounting on an international scale.

A more complete statement of the proposal for such a Center is submitted herewith and a copy is being filed with the Secretary of the Board for record. As indicated in this statement, the Center will be a part of the Department of Accountancy, will be housed in the Department on a permanent basis, and the staff of the Department will serve the programs of the Center. No additional funds are being requested at this time and it is expected that publications and conferences will be underwritten by grants from outside sources. All recommending officers have been consulted and concur in the proposal.

I recommend approval.

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

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(12) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

Urbana-Champaign

1. College of Engineering, nuclear engineering equipment..... \$15 900

2. Physical Plant

Statistical Service Unit, remodeling and expansion of Computer Room in Arcade Building to accommodate additional new 1401 computer system 5 800

Department of Speech and Theatre in Illini Hall, additional remodeling for installing a Hearing Testing Chamber..... 5 727

Total, Urbana-Champaign \$27 427

Chicago Undergraduate Division

3. Physical Plant, College of Architecture and Art, remodeling of two rooms 4 500

Grand Total \$31 927

I concur in these recommendations.

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

CONTRACTS FOR REMODELING IN THE FIRST UNIT OF THE DENTISTRY-MEDICINE-PHARMACY BUILDING

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling of space previously occupied by the Animal Hospital, before moving into its new quarters in the Medical Research Laboratory, converting an area formerly used for storage into research laboratories for the Departments of Pathology and Anatomy, the award in each case being to the lowest bidder.

General — Duggan-Karasik Construction Company, Skokie..... \$ 36 110 25

Base bid \$32 578 00

Additive alternate for service charge for supervision
of other contracts assigned to this contractor.... 3 532 25

Plumbing—Ashland Plumbing and Heating Company, Chicago.....	\$ 10 387 00
Heating and Process Piping—William Adams Engineers, Inc., Chicago	9 934 00
Ventilating—Corite-Reynolds Corporation, Des Plaines.....	13 710 00
Pipe Covering and Insulation—Chicago Pipe and Boiler Covering Company, Chicago	1 670 00
Electrical—Fries-Walters Company, Chicago.....	10 618 00
Laboratory Equipment—Browne-Morse Company, Chicago.....	24 326 00
<i>Total</i>	\$106 755 25

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 \$106,755.25; and that an agreement be entered into with Duggan-Karasik Construction Company for the assignment of these other contracts for \$3,532.25 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 are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1068).

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

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

CONTRACTS FOR REMODELING IN RESEARCH AND EDUCATIONAL HOSPITALS

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling an area of the basement of the Research and Educational Hospitals (General Hospital) for use as locker rooms and for storage of medical records, the award in each case being to the lowest responsible bidder.

General—B. R. Abbot Construction Company, Chicago.....	\$49 914
Base bid	\$46 789
Additive alternates	
Service charge for supervision of other contracts as- signed to this contractor.....	1 800
Suspended ceiling, Medical Records area.....	1 260
Air conditioning, Medical Records area.....	65
Plumbing—Fettes, Love, and Sieben, Inc., Chicago.....	8 443
Heating—Phillips, Getschow Company, Chicago.....	5 215
Base bid	\$ 4 200
Additive alternate for air conditioning, Medical Records area	1 015
Ventilating—Narowetz Heating and Ventilating Company, Chicago...	20 946
Base bid	\$17 573
Additive alternate for air conditioning, Medical Records area	3 373
Electrical—Local Electric Company, Inc., Chicago.....	15 065
Base bid	\$15 000
Additive alternate for air conditioning, Medical Records area	65
<i>Total</i>	\$99 583

A low bid submitted by the Thunderbird Electric Company, Chicago, would have to be rejected because of the Company's admitted failure to meet the standard conditions in the Board of Trustees "Regulations Governing Procurement and Bidding at the University of Illinois." The Company has therefore been permitted to withdraw its bid, and the electrical contract is being awarded to the Local Electric Company, Inc., Chicago, as the lowest responsible bidder.

The remodeling will provide locker rooms and lounge facilities for nurses and other women employees and will up-grade an area being used for filing records.

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 \$99,583; and that an agreement be entered into with B. R. Abbot Construction Company for the assignment of these other contracts for \$1,800 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 are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

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

CONTRACTS FOR REMODELING RESEARCH AND EDUCATIONAL HOSPITALS ADDITION

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of an x-ray view room on a second floor setback of the addition to the Research and Educational Hospitals and for remodeling and extension of a special diet kitchen in the Hospitals, the award in each case being to the lowest bidder.

General — B. R. Abbot Construction Company, Chicago.....	\$ 62 390
Base bid	\$59 790
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	2 600
Plumbing — Ashland Plumbing and Heating Company, Chicago.....	4 640
Heating — Louis Cutler Plumbing and Heating Company, Chicago.....	16 675
Ventilating — H. S. Kaiser Company, Elk Grove.....	32 400
Electrical — Wadeford Electric Company, Chicago.....	12 568
Kitchen Equipment — Century Equipment Company, Chicago.....	15 587
<i>Total</i>	\$144 260

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 \$144,260; and that an agreement be entered into with B. R. Abbot Construction Company for the assignment of these other contracts for \$2,600 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 are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

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

I concur.

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

CONTRACTS FOR ELEVATOR REHABILITATION IN RESEARCH AND EDUCATIONAL HOSPITALS

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the rehabilitation of two elevators in the Research and Educational Hospitals (General Hospital), the award in each case being to the lowest bidder.

General — Heller Construction Company, Inc., Chicago.....	\$ 34 203
Base bid	\$30 998
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	3 205
Elevator Equipment — Trimon Elevator Company, Inc., Chicago.....	\$ 59 996
Electrical — Divane Bros. Electric Company, Chicago.....	6 590
<i>Total</i>	<u>\$100 789</u>

The work will include removal of present obsolete equipment, revision of roof housing and shaftways and furnishing and installing two new passenger elevators, generator field control, two-way automatic leveling, duplex collective with and without attendant.

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 \$100,789; and that an agreement be entered into with Heller Construction Company, Inc. for the assignment of these other contracts for \$3,205 which amount is included in the contract price, being the amount bid by that Company as a service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

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

I concur.

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

CONTRACT FOR CONDUCTIVE FLOOR TILE IN THE RESEARCH AND EDUCATIONAL HOSPITALS

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$6,320 to the C. E. Korsgard Company, Chicago, the lowest bidder, for installation of conductive floor tile in the surgical suites and auxiliary areas of the Research and Educational Hospitals to reduce explosion hazards and to comply with the National Fire Protection Association's "Safe Practices for Hospital Operating Rooms."

Funds are available from the Physical Plant maintenance budget.

The project was advertised in the "Illinois State Register."

I concur.

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

CONTRACT FOR DESIGN SERVICES FOR MOVABLE EQUIPMENT FOR BUILDINGS AT CONGRESS CIRCLE

(18) The Director of the Physical Plant, the Vice-President for the Chicago Undergraduate Division, and the Vice-President and Comptroller recommend award of a contract to Skidmore, Owings, and Merrill for design services, including layout, selection of materials, and fabrications for the movable equipment for the following buildings at Congress Circle: staff administration, classroom buildings, library, lecture center, and engineering and sciences laboratories. Fees for this service will be based on time-card charges for services of professional personnel at the firm's usual and customary hourly rates, plus 150 per cent for overhead and commission. The estimated total cost of such services is \$88,000.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release by the Governor. I recommend approval.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr.

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

CONTRACT FOR FARM BUILDINGS

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$39,450 to Casserly Construction Company, Champaign, the lowest bidder, for erection of three minor agricultural buildings to be located on the University's farms south of the main campus at Urbana-Champaign.

It is also recommended that assignments of funds for construction of these buildings be made from:

Dairy Science Income — for the Free Stall Dairy Barn on Lincoln Avenue
Universities Building Fund — for the Machinery Storage and Service Building on the Pell Farm

Federal Hatch Funds — for Machinery Storage Building on the Grein Farm
General Reserve, \$3,800 — to complete financing of the Grein Farm building

I concur.

On motion of Mr. Dilliard, this contract was awarded, and the recommended assignments of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

REMODELING OF QUARTERS AT 807 SOUTH LINCOLN AVENUE, URBANA, FOR UNIVERSITY RETIREMENT SYSTEM

(20) The University has been providing office quarters for the University Retirement System of Illinois since it was established in 1941. Presently the System offices are in a remodeled frame house owned by the University at 1210 West Oregon Street, Urbana.

With the normal growth of the operations of the System, the quarters now occupied are no longer adequate. Moreover, the land area at 1210 West Oregon Street will be needed as part of the site for an addition to the East Chemistry Building, scheduled for construction during the 1963-65 biennium.

Space leased by the University of Illinois Foundation in a brick, commercial, building at 807 South Lincoln Avenue, Urbana, formerly used by the Department of Art, is now vacant and, with remodeling, will provide adequate quarters for the University Retirement System. The University subleases the property at a rental of \$550 per month by authorization of the Board of Trustees on July 21, 1959.

The Foundation's lease of the property will expire in November, 1964. The owner has agreed to a five-year extension on the same terms and conditions. The Director of the Physical Plant and the Vice-President and Comptroller recommend that:

The Board of Trustees request the Board of Directors of the University of Illinois Foundation to extend the lease for an additional five-year period with the understanding that subleasing to the University will be continued; An assignment of \$19,000 be made from the General Reserve Fund for remodeling the property; and that

The remodeled facilities be assigned to the University Retirement System of Illinois.

I concur.

On motion of Mr. Swain, these recommendations were approved, and the requested assignment of funds was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

ADDITION TO CONTRACT FOR PLANT SCIENCES BUILDING

(21) The Director of the Physical Plant and the Vice-President and Comptroller

recommend an increase of \$2,999.70 in the contract with the W. E. O'Neil Construction Company, Chicago, for construction of the Plant Sciences Building (Jonathan Baldwin Turner Hall) to include installation of temperature controls for unit ventilators in the greenhouses.

Funds are available in the construction budget for this project.

I concur.

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

ADDITION TO CONTRACT FOR ALTERATIONS IN THE RESEARCH AND EDUCATIONAL HOSPITALS ADDITION

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,618.85 in a contract with Consumers Construction Company, 3748 West Montrose Avenue, Chicago, for alterations on the eighth floor of the Research and Educational Hospitals Addition.

The Department of Medicine has requested a change in the autoclave which is part of the contracts for these alterations. In the original planning, it was believed that a standard type of autoclave would be suitable; however, upon further study, it was concluded that an autoclave with a high vacuum system is needed. The new autoclave proposed increases materially the sterilization process as to the temperature at which sterilization takes place and thereby kills the bacteria faster and more completely than can be done in the standard autoclave. This is very important to the germ-free research work to be done in the area being remodeled.

Funds are available in a United States Public Health Service Grant (OG-21).

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

On motion of Mrs. Watkins, this change in contract was authorized.

BICYCLE LANE ON EAST SIDE OF URBANA CAMPUS

(23) The number of bicycles now on the campus, the heavy concentration of bicycles at the Natural History Building and the East Chemistry Building, and occupancy of the Pennsylvania Avenue Residence Halls have created a traffic hazard on the east side of the campus, particularly in Mathews Avenue, Urbana, parts of which are presently restricted to one-way traffic. Representative officials of the city of Urbana and of the University agree that a bicycle lane extending along the east side of the campus would be a greatly needed safety factor. Studies indicate that such lane should provide for two-way bicycle traffic, and that a portion of the lane should be located in Mathews Avenue.

Officials of the city of Urbana regard such lane as a needed public improvement and have approved, in principle, entering into negotiations with the University for construction and maintenance of the portion of the bicycle lane that would lie within the present right-of-way of Mathews Avenue.

The proposed construction would reduce the width of the street available to motor driven vehicular traffic by approximately two feet six inches, but would not reduce the number of parking meters between Springfield Avenue and Nevada Street. Construction of such a lane would include connections with existing bicycle lane systems. The total estimated cost is \$35,000.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize:

Negotiations with the city of Urbana for the construction and maintenance, at University expense, of a bicycle lane approximately six feet wide on the right-of-way of Mathews Avenue from the south side of Nevada Street to Springfield Avenue, in return for which the City will adopt and enforce an ordinance permitting two-way bicycle traffic within the lane and prohibiting the use of the lane by any vehicle other than bicycles which are not motor driven.

The execution by the officers of the Board of an agreement or agreements with the City and such other documents as may be necessary, subject to approval of the University's Legal Counsel.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

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

and authority was given as requested, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

**AGREEMENT WITH DEPARTMENT OF MENTAL HEALTH
FOR OPERATION OF ILLINOIS EYE AND EAR INFIRMARY**

(24) The Medical Director of the Research and Educational Hospitals, the Vice-President for the Medical Center, and the Vice-President and Comptroller recommend authorization of an agreement with the Department of Mental Health providing for the operation of the Illinois Eye and Ear Infirmary jointly by the University and the State Department of Mental Health to replace an existing agreement entered into by the University with the former Department of Public Welfare (now the Department of Mental Health).

Relocation of the Illinois Eye and Ear Infirmary in a new building which the Department is constructing on a site adjacent to the Research and Educational Hospitals and which will be completed in 1964 makes it desirable to amend the existing agreement in certain respects.

The principal changes in the new agreement are: reference to the Infirmary being a "constituent unit" of the "Illinois Medical Center" is deleted; administrative and financial relationships between the two parties are clarified; and the joint management group is named the "Joint Executive Committee" with its composition reconstituted and its functions redefined.

I concur.

On motion of Mrs. Watkins, authority was given as requested.

**AUTHORIZATION OF FALLOUT SHELTER LICENSES
TO FEDERAL GOVERNMENT**

(25) The federal government has under way an accelerated program of civil defense, which includes plans for fallout shelters. The government has proposed that certain facilities throughout the country be designated and equipped, at no expense to their owners, as fallout shelters. A license must be issued to the federal government by the owner for use of any facility. State and local Civil Defense officials have requested the University to grant to the federal government such licenses for various buildings at Urbana-Champaign and at the Medical Center in Chicago.

The firm of Brown, Manthei, Davis, and Mullins, Consulting Engineers, Champaign, has been employed by the federal government to conduct a fallout shelter survey and determine which buildings can be used for fallout shelters and subsequently licensed at the Urbana campus.

The firms of Consoer Townsend and Associates, A. Epstein and Sons, Inc., and De Leuw, Cather, and Co., Chicago, have completed studies at the Medical Center campus.

Such licenses may be revoked by the University on giving ninety days' written notice, sent by registered mail, to the political subdivision and the federal government.

University officials will review the proposals for designations of shelters in order to minimize interference with educational programs.

To comply with the request of the federal government, it is recommended that the Comptroller and the Secretary of the Board be authorized to execute a license or licenses with the United States government for fallout shelters.

I concur.

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

**LICENSING OF RECORDED PROGRAM OF INSTRUCTION
IN THEORETICAL AND APPLIED MECHANICS**

(26) The University has been requested by the United States Military Academy, West Point, to license the use of five two-hour lessons recorded on videotape from the course Theoretical and Applied Mechanics 223, Mechanical Behavior of Solids. It is proposed that a license be granted only for their use over closed-circuit television for the instruction of students at the Academy. A fee of \$600 will be charged for the license, in addition to the actual cost of the re-recording to duplicate tapes. This fee is a nominal one based largely on information

received from the National Educational Television and Radio Center which indicates that it approximates the typical rate charged for similar materials.

Releases will be obtained from Professor T. J. Dolan, Head of the Department of Theoretical and Applied Mechanics, and from Professors H. R. Wetenkamp and T. M. Elsesser who recorded the course.

The Executive Vice-President and Provost recommends granting of the license to the United States Military Academy on the basis of the above.

I concur.

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

COMPLIANCE REPORT REQUIRED UNDER NONDISCRIMINATION PROVISIONS OF U. S. GOVERNMENT CONTRACTS

(27) On March 6, 1961, President John F. Kennedy issued Executive Order No. 10925 requiring that a provision be inserted in all United States government contracts that the "Contractor will not discriminate between any employee or applicant for employment because of race, creed, color or national origin." The Order also requires that the Contractor submit information and reports as may be required by the President's Committee on Equal Employment Opportunity.

Shortly thereafter, the Department of Defense, the Atomic Energy Commission, the Public Health Service, and other government agencies with which the University has many contracts all requested a Compliance Report from the University for the use of the Committee. Parts I and II of the report requested information concerning the policies and practices of the University in connection with employment. This information was submitted to the Committee on June 30, 1962. Part III of the Compliance Report requested certain personnel statistics which were not available because of the University's policy of not requiring information as to race, creed, or national origin in the application form and other personnel records of employees. Accordingly, the information was not furnished.

The Committee has again requested this information and since compliance with a Federal Order is indicated, notwithstanding a University policy which precludes carrying such information in its official records, it is necessary to direct the University officers involved to obtain this information from department heads who will make a head count to determine the number of Negroes and other members of minority groups in their departments. This information will be submitted and included in the report without personal identification and no specific information will be transferred from the survey to the records of the individuals. The report containing information gathered under these conditions will then be submitted to the President's Committee.

This report was received for record.

PURCHASES

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

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used in these recommendations to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors.

Purchases from Appropriated Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
6,000 (maximum) college qualification tests, including tests, answer sheets, mark sensing pencils, and grading services	Admissions and Records	The Psychological Corp., New York, N.Y.	\$ 5 100 00 f.o.b. New York, N.Y.
One complete glass distillation apparatus including twenty-foot distillation column with eight bubble cap plates, pressure gauges, manometers and glass boiler for graphic demonstrations of distilling processes in chemical engineering classes	Chemistry and Chemical Engineering	Corning Glass Works, Corning, N.Y.	4 589 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One counter, electronic, transistor circuit, 0-20mc, eight-digit	Electrical Engineering	Hewlett-Packard Company, c/o Crossley Associates, Inc., Chicago	\$ 3 463 21 f.o.b. delivered
One converter, frequency, 100 cps to 500 mc, plug-in unit for above counter			
One oscillator, backward wave sweeping, 8.2 to 12.4 mc, power output 10 mw, two frequency markers adjustable over entire range, accuracy plus or minus 1 per cent	Electrical Engineering	Alfred Electronics, c/o Kenneth W. Meyers Co., Chicago	2 890 00 f.o.b. Palo Alto, Calif.
Four grand pianos, 5 ft., 2 in., ebony finish, less trade-in of three grand pianos (A)	Music	Emerson Piano House, Inc., Decatur (Group A)	8 895 00
Four grand pianos, 5 ft., 7 in., ebony finish, less trade-in of four grand pianos (B)		Riley Music, Champaign (Group B)	8 240 00 f.o.b. delivered
Seven of which are to be installed in various rooms in Smith Music Hall and one to be installed in the Theory Annex			
Two pipe organs, two-manual, to be furnished and installed in Smith Music Hall, less credit for trade-in of two pipe organs	Music	Wicks Organ Co., Highland	12 990 00 f.o.b. delivered and installed
One ruby laser system including: power supply, 5,000V; two capacitor banks, 1,000 joules each; one laser mount, air blast cooled, helical tube type; two helical flash tubes; and one ruby rod $\frac{1}{4}$ in. by 2 in. polished $\frac{1}{16}$ wave or better with silver reflectors	Physics	Electro Powerpacs, Inc., Cambridge, Mass.	2 929 00 f.o.b. Cambridge, Mass.
One recorder, X-Y, recording speed each axis 20 in./sec; DC voltage ranges 0.5 millivolts per inch to 50 volts per inch; AC voltage ranges 0.1 to 20 volts per inch each axis; time intervals on X-axis 0.5 to 50 sec/in; chart speeds 2, 4, 8, 16, 24, and 32 in. per minute	Theoretical and Applied Mechanics	F. L. Moseley Co., c/o Crossley Associates, Chicago	3 100 00 f.o.b. Pasadena, Calif.
Print and bind 10,000 copies <i>Undergraduate Study</i> , 1962-63, approximately 344 pages per copy, trim size 6 in. by 9 in.	University Press	Malloy Lithographing, Inc., Ann Arbor, Mich.	5 000 00 f.o.b. delivered
One inserting machine, six-station, to insert material to be mailed into envelopes ranging in size from 6 in. by $3\frac{1}{2}$ in. to $9\frac{1}{4}$ in. by $6\frac{1}{2}$ in., capable of inserting matter up to $\frac{1}{4}$ in. thick, equipped with a postage permit imprinter	University Press	Bell & Howell Co., Phillipsburg Division, Chicago	11 675 50 f.o.b. delivered
Approximately 280 cases disposable operating room packs 175 cases disposable obstetrical packs 35 cases disposable lithotomy sheets 70 cases disposable laparotomy sheets 91 cases disposable towels Estimated supply for seven months The prices are firm for renewal for a full year's supply at total cost of \$40,829.40	Medical Center Stores, Chicago	Convertors, Inc., Newark, N.J.	23 817 15
500,000 multiple vitamin capsules having the formula which meets the requirements of the Therapeutic Committee of the Research and Educational Hospitals; this represents a one-year supply of the capsules	Pharmacy Stores, Chicago	Security Medicine Co., Chicago	3 075 00 delivered
One scintillation photoscanner, to be used in the diagnosis of diseases of the brain and such organs as the liver and kidney	Radiology, Chicago	Picker X-Ray Corp., Chicago	9 250 00 delivered
149 hospital mattresses consisting of the following: 100 size 35 in. by 80 in. 31 size 35 in. by 75 in. 12 size 36 in. by 72 in. 3 size 36 in. by 60 in. 3 size 30 in. by 54 in.	Research and Educational Hospitals, Chicago	The Englander Co., Inc., Chicago	3 360 80 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One surgical operating table with anesthetic screen, sponge rubber pad and foot extension	Research and Educational Hospitals, Chicago	American Sterilizer Co., Chicago	\$ 2 731 00 delivered
One truck cab and chassis to carry load lugger and snow plow attachment	Physical Plant, Chicago	GMC Truck & Coach Division, Chicago	3 385 00 delivered
Ten general purpose oscilloscopes	Engineering, Chicago Undergraduate Division	Crossley Associates, Inc., Chicago	4 811 00 delivered

Purchases from Institutional Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Print and bind 5,000 copies of <i>Diseases of Ornamental Plants</i> , by J. L. Forsberg, a book of approximately 224 pages, trim size 6 $\frac{3}{4}$ in. by 10 in., describing approximately 700 diseases attacking ornamental plants and advising means of controlling them	Agricultural Administration	North Central Publishing Co., St. Paul, Minn.	\$ 4 459 98 f.o.b. delivered
One spectrophotometer with wave length marker, multispeed chart drive, four rectangular cells, two microcells and jackets, one slide wire, hydrogen lamp, phototube and accessory kit; the equipment will be used to measure concentrated purified virus preparations quantitatively and measure changes they undergo under various treatments	Botany	Applied Physics Corp., Chicago	17 392 00 f.o.b. delivered
One analytical ultracentrifuge with optical system, mask and timer, and twelve-cell assemblies	Botany	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	41 471 50 f.o.b. delivered
One preparative ultracentrifuge with eight rotors and hollow stem radiation handle to be used in the Botany Department to study large molecules governing the behavior of both normal and malignant cells	Botany	National Instrument Labs., Inc., Washington, D.C.	7 583 50 f.o.b. delivered and installed
One microdensitometer, double beam, automatic-recording, 4x and 10x objectives, with standard accessories, for research and routine analysis in X-ray diffraction in quantitative measurements of optical densities or spacings	Botany	National Instrument Labs., Inc., Washington, D.C.	7 583 50 f.o.b. delivered and installed
One monochromator, grating, with high intensity mercury arc light source, to become a part of a fluorescence spectrophotometer system used to analyze the fluorescence of light emitted	Chemistry and Chemical Engineering	Chicago Apparatus Co., Chicago	2 520 00 f.o.b. delivered and installed
One refrigerator, walk-in, sectional type, 10 ft. by 12 ft. by 8 ft. size to be furnished and installed in East Chemistry Building, for use in Introductory Biochemistry Laboratory courses	Chemistry and Chemical Engineering	Industrial Cork Co., Inc., Melrose Park	2 982 00 f.o.b. delivered and installed
One gas chromatograph with separate heaters, sample size 0.1 to 2.0 milliliter, automatic sample collection and temperature programmer for use in metabolic studies in biochemistry	Chemistry and Chemical Engineering	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	2 919 25 f.o.b. delivered
One sublimator (freeze-dryer), refrigerated, with sterile operation and continuous indicators and controllers for both shelf and condenser for use in milk synthesis research	Dairy Science	RePP Industries, Inc., Gardiner, N.Y.	5 760 00 f.o.b. delivered
Seventy-five sets connector frames to be machined, drilled, and assembled as specified by Digital Computer Laboratory; this material will become part of a new high speed computer which the University of Illinois has contracted to build for the Atomic Energy Commission	Digital Computer Laboratory	Leichner Manufacturing Co., Champaign	3 375 00 f.o.b. delivered
Four power supplies, regulated, D.C., 0-12 volts output, 0-100 amps; 1 per cent regulation; 24 amps A.C. input, 115/208/230 volts, 50-60 cps	Digital Computer Laboratory	Kepco, Inc., Flushing, N.Y.	4 221 08 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
600 terminal boards, type 2076 (designed by U. of I. staff) 30 male and 30 female, 47 points 96 male and 96 female, 34 points 114 male and 114 female, 26 points 24 male and 24 female, 23 points 36 male and 36 female, 20 points	Digital Computer Laboratory	Mandex Manufacturing Co., Inc., Chicago	\$ 3 827 72 f.o.b. Chicago
One electron microscope, resolving power better than 20 angstroms, accelerating voltage 50 kv, with feature that two specimens can be inserted simultaneously and exchanged by a single operation outside the vacuum, plus one full year service agreement	Electrical Engineering	The Bendix Corp., Cincinnati, Ohio	15 500 00 delivered and installed
120 relays, coaxial, shorting termination, 75 ohm 12 vdc coil, bnc connectors, operation-switching rate of 2 cps, vswr less than 1.02 and insertion loss less than 0.1 db over the operating range, spdt	Electrical Engineering	FXR Products, Chicago	3 682 00 f.o.b. Danbury, Conn.
One chromatogram solid state scanning system, windowless 4 pi scanner for counting tritium (H^3), carbon, ¹⁴ and sulphur ³⁵ with an anticoincidence circuit	Food Technology	Vanguard Instrument Co., La Grange	3 700 00 f.o.b. delivered and installed
One microdensitometer, complete with integrating recorder, for use in the investigations on the synergistic effect of heated fat on a carcinogen	Food Technology	Canal Industrial Corp., Bethesda, Md.	3 900 00 f.o.b. Bethesda, Md.
P. C. Liao Collection of Chinese Classics, 7,200 volumes	Library	Mrs. P. C. Liao, Hong Kong	7 000 00
Share of program for the cataloging and preparation of printed catalog cards for 1962 publications received from India and Pakistan under the Public Law 480 Program	Library	Library of Congress	7 750 00
Author and subject catalogs of the Library of the Peabody Museum of Archaeology and Ethnology, Harvard University, 53 volumes	Library	G. K. Hall & Co., Boston, Mass.	2 970 00
Two cameras, professional, 16 mm., plus following accessories: two variable speed motors, two synchronous motors, 11 lenses, two compartment cases, two sound blimps, two storage cases, two footage counters, six film magazines, two torque motors, one film magazine case, two batteries, and one shoulder pod	University of Illinois Committee on School Mathematics	The H. Lieber Co., Inc., Indianapolis, Ind.	11 041 50 f.o.b. delivered
One electromagnet, reconditioned, 12 in. low impedance, including one set pole pieces having a final diameter of 9 in. and a gap width of $3\frac{1}{4}$ in., cooling accomplished without necessity of heat exchanger; one power supply with continuously variable in a single range from 40 milliamperes to maximum current; one field sweep unit	Mining, Metallurgy, and Petroleum Engineering	Harvey-Wells Corp., Framingham, Mass.	14 805 00 f.o.b. delivered
One instrument for rapid and accurate measurements of the moduli of elasticity and the damping factors of solid materials such as aluminum, brass, copper, glass, ivory, etc.	Mining, Metallurgy, and Petroleum Engineering	Magnaflux Corp., Chicago	7 480 00 f.o.b. delivered
Five oscilloscopes; DC-15 MC; calibrated sweep range 0.2 usec/cm to 2 sec/cm; sensitivity 0.05 volts/cm to 20 volts/cm calibrated Five polarized viewers	Physics	Tektronix, Inc., Park Ridge	4 425 00 f.o.b. Beaverton, Ore.
One lathe, toolroom, precision, metal, $12\frac{1}{2}$ in. swing over bed, 20 in. nominal center distance, face plate 8 in. capacity variable speed drive, 5 hp motor	Physics	The E. L. Essley Machinery Co., Chicago	11 069 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Laboratory furniture for remodeling rooms in Horticulture Field Laboratory as follows: Two center laboratory benches, 8 ft. long One center laboratory bench, 17 ft. 9 in. long One instrument and analytical balance bench One sink assembly One cold room laboratory bench One glasswork table Two balance tables Five display cases	Plant Pathology	Kewaunee Technical Furniture Co., Evanston	\$ 9 595 40 f.o.b. delivered
16 mm. films: Four — The Novel Twelve — Great Dramatic Literature Fifty — Biology Programs (in color)	Audio-Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	9 504 00 f.o.b. Wilmette
One ultramicrotome including table and chair, diamond knife and holder, specimen holders, saw, saw blades, grid boxes, and plate glass strips to be used in research on correlating molecular structure with physical structure in cancer cells and retinal cells	Zoology	LKB Instruments, Inc., Washington, D.C.	4 328 10 f.o.b. delivered
One vacuum evaporator, automatically controlled, with vacuum pumps, bell jar, carbon and tungsten evaporation kits for preparation of thin carbon grids and shadowing for electron microscope experiments	Zoology	Tech Sales and Marketing, Indianapolis, Ind.	2 587 48 f.o.b. delivered
Eight extractors, laundry, 15 pound dry capacity, 208 volts, 60 cycle	Housing Division	Laundry Dryer & Equipment Co., Inc., St. Louis, Mo.	2 848 00 f.o.b. delivered
One offset duplicator, to print on flat sheets ranging in size from 4 in. x 6 in. to 17½ in. x 14 in. and having printing area of 17 in. x 13 in., 5000-sheet capacity, receding stacker and two three-wheel dollies, less trade-in of one offset duplicator 1942 model	Print Shop	Midwest Equipment & Litho Supply Co., Peoria	6 438 55 f.o.b. delivered and installed
40,000 sheets verifax matrix Ninety-six cartons verifax activator	Office Supply Storeroom	Jefferson Stationers, Inc., Springfield	2 796 00 f.o.b. delivered
50,000 sets combination purchase order-delivery invoice voucher forms; eleven parts per set; approximately 8½ in. x 11 in. detached	Office Supply Storeroom	Uarco, Inc., Decatur	4 049 95 f.o.b. delivered
30,000 sets delivery invoice voucher forms; four parts per set; approximately 8½ in. x 11 in. detached			
5,000 sets purchase order forms for continuous purchase orders; six parts per set; approximately 8 in. x 5 in.			
This is approximately a one-year supply of these forms			
One grader, motor, gasoline-engine driven, complete with 10 ft. shiftable moldboard, and scarifier less credit for trade-in of one grader, motor, 1952 model; grader to be used at Robert Allerton Park for road maintenance, snow removal, and various other grading projects	Robert Allerton Park	McElroy-Roland Machinery Co., Springfield	4 390 00 f.o.b. delivered
Furnish and install underground electrical service to the Orchard Downs Housing Addition No. 1; this system will serve 160 housing units in this area	Physical Plant	Illinois Power Co., Champaign	13 124 00 f.o.b. delivered and installed
Seventy parking meters, sealed, single-cylinder type collection system to be furnished and installed in parking lot at 1109-1111 West Illinois Street, Urbana; with option to purchase up to 100 additional meters during the period ending June 30, 1963	Physical Plant	Duncan Parking Meter Division, Nautec Corp., Chicago	4 086 80 f.o.b. delivered and installed
Additional meters up to 100 will be furnished at the same unit prices of \$116.43 per double meters and \$60.74 for single meters, f.o.b. delivered and installed			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
180 mercury lamps, ASA code H36-15A, 1000 watts, color-corrected, mogul clamp base for installation in Assembly Hall	Physical Plant	Grand Stage Lighting Co., Chicago	\$ 5 454 00 f.o.b. delivered
Portable stage, steel scaffold-type, complete with side railings, access steps, and flame-proof closure skirt; it will be a three-level stage consisting of a main unit 88 ft. by 48 ft. by 42 in. high and two auxiliary sections both 8 ft. by 48 ft. long — one 28 in. high and one 14 in. high; this portable stage will be used in the new Assembly Hall	Assembly Hall	Waco-Porter Corp., Schiller Park	11 447 00 f.o.b. delivered
Thirteen turnstiles, portable type, hip operated control, register with locking cover, complete with matching ticket boxes including inspection window and ticket container	Assembly Hall	Perey Manufacturing Co., Inc., New York, N.Y.	7 410 00 f.o.b. delivered
1,700 fiberglass chairs, stacking and ganging, with steel frame for the arena area of the new Assembly Hall	Assembly Hall	The Howell Co., St. Charles	17 408 00 f.o.b. delivered
Electronic instruments consisting of three x-y oscilloscopes, two time base generator units, and three wide-band high gain pre-amplifiers, to be used for advanced laboratory work and research	Engineering, Chicago Undergraduate Division	Tektronix, Inc., Beaverton, Ore.	3 983 00 delivered
One hydraulic feed surface grinder and accessories	Physiology, College of Medicine	Norman Machinery Co., Chicago	6 329 50 delivered and set in place
One contour vertical band saw and accessories	Physiology, College of Medicine	Do-All Midwest Co., Chicago	3 850 65 delivered and set in place
One number two horizontal milling machine and accessories, less trade-in of one Heald Model LBT horizontal mill with vertical attachment	Physiology, College of Medicine	Kearney & Trecker Corp., Milwaukee, Wis.	14 623 00 delivered and set in place
One plastics injection press and accessories to be used for the manufacture of plastic parts in the Physiology Instrument Shop	Physiology, College of Medicine	Newbury Industries, Inc., Newbury, Ohio	3 632 60 delivered
One three-dimensional milling and engraving machine and accessories to be used to engrave and duplicate small metal and plastic parts	Physiology, College of Medicine	Marshall & Huschart Machinery Co., Chicago	6 099 50 delivered and set in place
One six-channel curvilinear oscillograph to be used in the study of the inner ear	Otolaryngology, College of Medicine	Pivan Engineering Co., Chicago	3 445 00 f.o.b. Schiller Park
One lot of polygraph components consisting of: Four 6-channel consoles Sixteen oscillographs Sixteen driver amplifiers Eight EKG preamplifiers Eight low level preamplifiers Four signal markers One selector panel Two transducers	Pharmacology, College of Medicine	Grass Instrument Co., Quincy, Mass.	12 572 00 f.o.b. Quincy, Mass.
Four FM record amplifiers Three FM playback amplifiers One direct record amplifier One direct playback amplifier To be incorporated into the Psychiatry Department's existing tape transport which is used in psycho-physiological research on infants	Psychiatry, College of Medicine	Precision Instrument Co., San Carlos, Calif.	3 645 00 f.o.b. San Carlos, Calif.
504 bottles lipomul I.V. 500 cc., a high carbohydrate nutritional supplement used in the intravenous feeding of patients; this is an estimated six-month supply	Pharmacy Stores, Chicago	The Upjohn Co., Chicago	2 889 43 delivered
46 electrical panel boards	Physical Plant, Chicago	Cregier Electrical Manufacturing Co., Chicago	5 775 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
500 dozen bath towels, 20 in. x 40 in. white terry weave material, 500 dozen wash cloths, 11 in. by 11 in., white terry weave, 7½ ounce material	Physical Plant, Chicago	Karoll's, Inc., Chicago	\$ 2 822 50 delivered
One lot of electrical supplies as follows: 100 panelboards 1,400 circuit breakers 100 switch units 1,000 feet of conduit 25 elbows 100 couplings 200 lock nuts 200 connectors 5,000 feet of wire 500 receptacles 200 bushings	Physical Plant, Chicago	Graybar Electric Co., Inc., Melrose Park	12 152 19 delivered

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

COMPTROLLER'S REPORT OF CONTRACTS

(29) The Comptroller's report of contracts executed during the period November 1 to 30, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
The American Iron & Steel Institute	Control of cracking in concrete reinforced with high strength steel bars	\$ 7 000 00	October 17, 1962
The Pillsbury Co.	Water activity characteristics of cake-mix ingredients on the performance of cake mixes	5 900 00	September 1, 1962
United States Air Force AF-AFOSR 8-63	Semantic and syntactic properties of many-valued and morphogrammatic systems of logic	20 531 00	October 2, 1962
United States Air Force AF-AFOSR 69-63	Negotiation and decision-making in complex organizations	16 347 00	October 1, 1962
United States Air Force AF 33(657) 8758	Solid film lubricant-binder phenomena	35 000 00	November 1, 1962
United States Navy NObs-88058	Fatigue studies on plain plate or welded plate specimens	56 810 00	August 15, 1962
<i>Total</i>		<u>\$141 588 00</u>	

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Deere Co.	Rental of farm machinery: two furrow two-way plow and power lift tractor with optional equipment	\$ 48 57	July 1, 1962
Eversman Manufacturing Co.	Rental of farm machinery: one scraper, one leveler, and one ditcher with attachments	228 60	October 15, 1962
International Business Machines Corp.	Four key punches, one card punch, one verifier	2 191 20	October and November, 1962
International Harvester Co.	Rental of farm machinery, twelve items: \$35.15 to \$1,413.21	5 098 52	June, July, and August, 1962
MacCarthy Ford Tractor Sales, Inc.	Rental of farm machinery, five items: \$48.00 to \$670.00	1 237 97	October, 1962
Massey-Ferguson, Inc.	Rental of farm machinery: one corn combine	541 06	October 15, 1962
National Warm Air Heating and Air Conditioning Association	Rental of 1014 Lincolnshire Drive, Champaign (September 1, 1962, to June 30, 1963)	2 500 00 (for ten months)	September 1, 1962
<i>Total</i>		<u>\$ 11 845 92</u>	

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Isotopes, Inc.—sub-contract under contract number AT(11-1) 1199	Study of rainout of radioactivity in Illinois	\$ 14 935 00	August 30, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Steel Corp.	Fatigue behavior of welded joints in N-A-Xtra high-strength steels	\$ 28 000 00	November 8, 1962
Tee-Pak Foundation	Various types of films as retardants to deterioration of meat and meat products	4 300 00	September 19, 1962
United States Air Force AF 29 (601) 2876	Effects of dynamic loads on soils and buried structures	12 727 00	September 13, 1962
United States Army DA-49-007-MD-544	Nutritive value of major nutrients of irradiated food	30 740 00	October 31, 1962
United States Army DA-49-146-XZ-023	Feasibility of designing and building a soil loading system	4 156 92	September 21, 1962
United States Army DA-49-193-MD-2212	Antiradiation drugs	566 00	October 17, 1962
United States Atomic Energy Commission AT (11-1)-790	Ribonucleic acid in the accumulation of ions by plant cells	21 373 00	November 1, 1962
United States Navy Nonr-1834(15)	Design and development of selected computer components	10 000 00	July 31, 1962
United States Navy Nonr-1834(22)	Radio astronomy	100 000 00	August 1, 1962
United States Navy Nonr-1834(26)	Plastic deformation of solids	20 500 00	August 31, 1962
<i>Total</i>		<u>\$232 362 92</u>	

Adjustments Made in 1961-62 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Two items: \$25.00 deduct to \$1,040.35	\$ 1 015 35	September and November, 1962

Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Thirty-six items: \$68.22 deduct to \$450.00	\$ 2 476 68	September, October, and November, 1962

This report was received for record.

REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES

(30) Following is a report of gifts, grants, and contract funds received by the University during the fiscal year July 1, 1961, through June 30, 1962. 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 1961-62 and others for 1962-63.

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 1961-62.

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. Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships in ceramic engineering (\$625); in mining, metallurgy, and petroleum engineering (\$625); and in civil engineering (\$625).....\$ 1 875 00

2. Robert Allerton, Koloa, Kauai, Hawaii: for the Allerton American Traveling Scholarships in architecture, 1962-63.....	1 000 00
3. Allstate Foundation, Skokie: scholarships for extramural classes for driver education teachers conducted by the Division of University Extension.....	3 000 00
4. American Air Filter Company, Inc., Herman Nelson Division, Moline: scholarships in engineering, 1962-63.....	1 000 00
5. American Society for Metals Foundation for Education and Research: scholarship in metallurgical engineering, 1961-62....	500 00
6. Archer-Daniels-Midland Foundation, Minneapolis, Minnesota: scholarship in chemistry and chemical engineering, 1961-62....	500 00
7. Armstrong Cork Company, Lancaster, Pennsylvania: scholarship, 1961-62	290 00
8. Barber-Colman Foundation, Rockford: scholarships in engineering, 1961-62	2 050 00
9. Bay State Abrasive Products Company, Westboro, Massachusetts: scholarships in ceramic engineering.....	1 000 00
10. California Company, New Orleans, Louisiana: scholarship in geology, 1962-63.....	500 00
11. Campus Chest, University of Illinois undergraduate fund-raising organization: scholarships, 1962-63.....	3 746 36
12. Ceco Steel Products Corporation, Chicago: scholarship in engineering, 1962-63	1 000 00
13. Chemstrand Company, a Division of Monsanto Chemical Company, New York, New York: scholarship in chemical engineering, 1962-63	1 000 00
14. Consolidation Coal Company, Library, Pennsylvania: two scholarships, 1961-62, and one scholarship, 1962-63.....	1 500 00
15. Continental Grain Foundation, New York, New York: scholarships in agriculture, 1961-62 and 1962-63.....	2 000 00
16. Corn Products Company, New York, New York: scholarships in engineering and physical science.....	1 500 00
17. Dads Association, University of Illinois: scholarships, 1961-62	2 040 00
18. Edmund Deuss, Chicago: for the Raymond Torr Memorial Scholarship in Journalism fund.....	100 00
19. Ehrlich Donnan Foundation, Seattle, Washington: scholarships.....	200 00
20. Douglas Aircraft Company, Inc., Santa Monica, California: scholarship in aeronautical or electrical engineering, 1962-63..	750 00
21. Dow Chemical Company, Midland, Michigan: scholarship in mining, metallurgy, and petroleum engineering.....	500 00
22. B. F. Drakenfeld and Company, New York, New York: scholarship in ceramic engineering, 1962-63.....	500 00
23. Russell F. Duncan, Berea, Ohio: scholarship in engineering..	250 00
24. Emhart Manufacturing Company, Hartford, Connecticut: scholarship in ceramic engineering, 1962-63.....	500 00
25. Federal Land Bank of St. Louis and various Federal Land Bank Associations in Illinois: two scholarships in agriculture (\$500 each), 1962-63.....	1 000 00
26. Ferro Corporation, Cleveland, Ohio: scholarships in ceramic engineering.....	500 00
27. Foundry Educational Foundation, Cleveland, Ohio: scholarship in mechanical engineering, 1961-62.....	1 000 00
28. Galesburg Builders Supply, Galesburg: for the Harry H. Gunther Scholarship in engineering, 1961-62.....	500 00
29. General Motors Corporation, Detroit, Michigan: twenty scholarships, 1961-62	14 200 00
30. Globe-Union Foundation: scholarships in ceramic engineering	500 00
31. A. P. Green Fire Brick Company, Mexico, Missouri: scholarships in ceramic engineering.....	500 00
32. Harbison-Walker Charitable Fund, Inc., Pittsburgh, Pennsylvania: scholarship in ceramic engineering, 1961-62.....	500 00

33. Estate of Dr. Charles P. Howard of Champaign: an endowment to establish the Dr. Hartwell C. Howard Memorial Fund, the income to be used to aid premedical and pre dental students (the bequest of this estate was reported to the Board of Trustees on February 21, 1962, and rules governing use of the income from the endowment for scholarships for premedical and pre dental students were approved by the Board of Trustees on July 18, 1962).....	191 264 64
34. Illinois Association of Insurance Agents, Springfield: for the G. A. Mayon Memorial Scholarship for students who are planning careers in the field of general insurance, 1961-62....	1 000 00
35. Illinois Clay Manufacturers' Association: scholarships in ceramic engineering	325 81
36. Illinois Congress of Parents and Teachers: scholarships, \$5,000 in any field of teacher training and \$3,500 in special education, 1962-63	8 500 00
37. Illinois Federation of Women's Clubs: scholarships in occupational therapy (\$600); scholarship in the education of teachers of mentally retarded children (\$632).....	1 232 00
38. Illinois Mining Institute: scholarships in mining engineering	1 985 32
39. Illinois Occupational Therapy Association: scholarship in occupational therapy	350 00
40. Illinois State Federation of Labor and Congress of Industrial Organizations: two scholarships (\$500 each), 1962-63.....	1 000 00
41. Indiana Limestone Institute, Bloomington, Indiana: scholarship in architecture, 1961-62.....	500 00
42. Junior Women's Advertising Club of Chicago: scholarships in journalism	600 00
42. Kennecott Copper Corporation, New York, New York: scholarships in chemical engineering, 1961-62.....	2 000 00
44. Mrs. Eugene Koch, Peoria: for the Linsley F. Ter Bush Memorial Scholarship	150 00
45. Kroger Company, Cincinnati, Ohio: six scholarships, three in agriculture and three in home economics.....	1 500 00
46. Captain James M. Lane, Charlottesville, Virginia, former Professor of Naval Science at the University of Illinois: scholarship	400 00
47. Magnavox Company, Fort Wayne, Indiana: scholarships in mechanical and electrical engineering, 1961-62.....	3 000 00
48. P. R. Mallory Company Foundation, Inc., Indianapolis, Indiana: scholarship in ceramic engineering.....	250 00
49. Men's Residence Halls Association of the University of Illinois: for the Calvin S. Sifferd — MRHA Scholarship.....	800 00
50. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: scholarships in engineering, 1962-63.....	1 000 00
51. Mississippi Valley Structural Steel Company, St. Louis, Missouri: scholarship in architectural engineering, 1961-62.....	1 200 00
52. Moorman Manufacturing Company, Quincy: scholarships in agriculture, 1961-62	1 500 00
53. Mothers Association, University of Illinois: scholarships....	1 730 00
54. Motorola, Inc., Franklin Park: scholarships in art and industrial design	1 500 00
55. National Association of Home Builders Scholarship Foundation, Inc., Washington, D.C.: scholarships for students in a curriculum related to the home building industry, 1962-63....	1 000 00
56. National Merit Scholarship Corporation: scholarships, 1962-63 These are supplemental grants from sponsors of National Merit Scholarships in recognition of National Merit Scholars enrolled at the University of Illinois but are for scholarship aid to students who were not Merit Scholars.	2 475 00
57. National Secretaries Association, Champaign-Urbana Chapter: scholarship, 1962-63.....	150 00

58. Nonacademic Employees Council, University of Illinois, Urbana: scholarship for a son or daughter of a nonacademic employee at Urbana.....	440 00
59. Old Ben Coal Corporation, Chicago: scholarships in mining engineering, 1961-62	1 000 00
60. Owens-Corning Fiberglas Corporation, Toledo, Ohio: scholarships in engineering.....	1 000 00
61. Owens-Illinois Glass Company, Toledo, Ohio: scholarships in engineering	2 450 00
62. Pennsylvania Glass Sand Corporation, New York, New York: scholarship in ceramic engineering, 1962-63.....	500 00
63. Perine Development Corporation, Indianapolis, Indiana: scholarship for a student in the residential development option of the land economics curriculum in the College of Commerce and Business Administration.....	500 00
64. Estate of Helen Korte Phelps: three scholarships (\$250 each), known as the Korte Scholarships, second semester, 1961-62.....	750 00
65. Physical Education for Women Alumnae Association: an endowment to establish a scholarship fund for students enrolled in the physical education for women curriculum.....	1 000 00
66. Presser Foundation, Philadelphia, Pennsylvania: scholarship in music, 1961-62.....	400 00
67. Production Credit Association: three scholarships in agriculture (\$150 each), 1962-63.....	450 00
68. Ralston Purina Company, St. Louis, Missouri: scholarship in agriculture, 1961-62	500 00
69. Scully-Jones Foundation, Chicago: scholarship in mechanical and industrial engineering, 1961-62.....	300 00
70. Sears-Roebuck Foundation, Chicago: scholarships in agriculture and home economics, 1961-62.....	5 100 00
71. Alfred P. Sloan Foundation, New York, New York: annual stipends for five Alfred P. Sloan National Scholars, 1961-62..	3 200 00
72. A. O. Smith Foundation, Inc., Milwaukee, Wisconsin: scholarship in ceramic engineering, 1961-62.....	500 00
73. Stauffer Chemical Company, Victor Chemical Works Division, Chicago: three scholarships in chemistry in memory of the late August Kochs, founder of the Victor Chemical Works...	3 000 00
74. Student Organizations Executive Board, University of Illinois: scholarships, 1962-63.....	2 500 00
75. Texaco, Inc., New York, New York: scholarships in engineering, 1961-62	1 200 00
76. Trane Company, LaCrosse, Wisconsin: scholarships for seniors in mechanical engineering.....	1 500 00
77. Union Carbide Educational Fund, New York, New York: scholarships	1 495 00
78. United States Rubber Company Foundation, New York, New York: scholarship, 1962-63.....	1 400 00
79. Universal Oil Products Company, Des Plaines: scholarships in chemical engineering, 1962-63.....	1 500 00
80. Various donors: to the Undergraduate Scholarship Fund... J. D. Carrier.....\$ 10 00 Josephine Dennis, Chicago.....5 00 James Vedder	100 00
81. Western Electric Company, Chicago: scholarships in engineering, 1961-62	1 200 00
82. Westinghouse Electric Corporation, Baltimore, Maryland: for the Westinghouse Air Arm Scholarships, 1961-62.....	1 500 00
83. Witt-Armstrong Equipment Co., Springfield: scholarship in engineering, 1961-62	450 00
84. Zeta Tau Alpha Foundation, Evanston: for the Shirley K. Strout Scholarship in journalism, 1962-63.....	250 00
<i>Total, Undergraduate Scholarships.....</i>	<i>\$ 305 614 13</i>

Miscellaneous Awards and Financial Aids to Students

85. Alschuler Philanthropic Fund, Inc., Chicago: to the Department of Architecture for a student award.....	\$ 25 00
86. American Society for Metals, Chicago: to the Department of Mining, Metallurgy, and Petroleum Engineering for student aid.....	100 00
87. Bradley and Bradley, Inc., Rockford: to the Department of Architecture for student awards.....	200 00
88. Deeter and Ritchey, Architects, Pittsburgh, Pennsylvania: traveling expense award for a student in architecture.....	500 00
89. Eugene Falk, Minneapolis, Minnesota: to the Department of French to add to funds to assist outstanding students in their studies of French.....	20 00
90. Kivett and Myers and McCallum, Kansas City, Missouri: to the Department of Architecture for a student award.....	200 00
91. Koppers Company, Inc., Pittsburgh, Pennsylvania: to the Department of Architecture for a student award.....	500 00
92. John Wiley and Sons, Inc., New York, New York: for the Fred B. Seely Award in Engineering (Mr. Seely is a retired Professor of Theoretical and Applied Mechanics).....	100 00
93. Contributions received by the Dean of Women from numerous donors to the Women Students' Aid Fund.....	5 812 90
<i>Total, Miscellaneous Awards and Financial Aids to Students.....</i>	<i>\$ 7 457 90</i>

Student Loans

94. Alpha Phi Omega, an honorary service organization: for the Alpha Phi Omega Student Loan Fund.....	\$ 750 00
95. DuPage County Health Improvement Association, Wheaton: loan fund for students in the health education curriculum...	1 000 00
96. Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund.....	550 00
97. Ford Foundation, New York, New York: for Forgivable Predoctoral Loans to Future Engineering Teachers.....	100 000 00
98. Illinois Society of Professional Engineers, Capital Chapter, Springfield: for the LeSueur H. Hendrick Memorial Fund for loans to junior and senior students in engineering.....	500 00
99. Koppers Company, Inc., Pittsburgh, Pennsylvania: to add to the Koppers Student Loan Fund.....	500 00
100. Henry Strong Educational Foundation, Chicago: to add to the long-term student loan funds.....	3 000 00
101. Tau Delta Tau: to add to the student short-term loan fund..	15 00
102. Tile Council of America, Inc., New York, New York: for student loans	500 00
103. United States Department of Health, Education, and Welfare under the National Defense Education Act: for student loans for all campuses.....	250 000 00
104. Various fraternity alumni: for the Fraternity Alumni Emergency Loan Fund.....	525 00
<i>Total, Student Loans.....</i>	<i>\$ 357 340 00</i>

Funds for Graduate Fellowships and Research

105. Abbott Laboratories, North Chicago: Roger Adams Fellowship in organic chemistry, 1961-62 (\$3,000), and 1962-63 (\$3,400).....	\$ 6 400 00
106. Allied Chemical Corporation, Nitrogen and Plastics Divisions, Hopewell, Virginia: two fellowships in the Department of Chemistry and Chemical Engineering, 1961-62.....	6 013 03
107. American Cyanamid Company, New York, New York: fellowship in chemistry, 1961-62.....	2 980 00
108. Armco Steel Corporation, Middletown, Ohio: fellowship in ceramic engineering, 1961-62.....	2 200 00

109. Automotive Safety Foundation, Washington, D.C.: fellowship in highway engineering, 1961-62.....	2 000 00
110. Bell Telephone Laboratories, Murray Hill, New York: fellowship in physics, 1961-62.....	2 560 00
111. Campbell Soup Company, Camden, New Jersey: fellowships in food technology (\$3,500) and in plant sciences (\$3,500), 1961-62.....	7 000 00
112. Collins Radio Company, Cedar Rapids, Iowa: fellowship in electrical engineering, 1961-62.....	2 000 00
113. Continental Oil Company, Ponca City, Oklahoma: fellowship in mathematics, 1961-62.....	3 000 00
114. Corning Glass Works Foundation, Corning, New York: four fellowships, summer 1962 (\$500 each plus \$495 tuition and fees and \$1,000 for departmental expenses).....	3 495 00
115. Dow Chemical Company, Midland, Michigan: fellowships in chemistry (\$2,750) and in chemical engineering (\$2,750), 1962-63.....	5 500 00
116. E. I. du Pont de Nemours and Company, Wilmington, Delaware: postgraduate teaching assistantship in chemistry, 1962-63.....	1 700 00
117. Eastman Kodak Company, Rochester, New York: fellowship in engineering (\$1,520), in chemistry (\$1,000), and in physics (\$1,000), 1961-62.....	3 520 00
118. Esso Research and Engineering Company, Linden, New Jersey: fellowship in chemistry, 1961-62.....	3 630 00
119. Ethyl Corporation, Detroit, Michigan: fellowship in chemistry, 1961-62.....	3 160 00
120. Firestone Tire and Rubber Company, Akron, Ohio: fellowship in chemistry, 1961-62.....	2 080 00
121. Ford Foundation, New York, New York: fellowships as part of the Foundation's Experimental Engineering Faculty Recruitment and Development Program which includes funds for predoctoral fellowships and loans.....	106 000 00
122. General Dynamics Corporation, General Atomic Division, San Diego, California: fellowship in physics, 1962-63.....	4 000 00
123. General Electric Foundation, Ossining, New York: fellowships in chemistry (\$3,080), in physics (\$2,730), in electrical engineering (\$2,730), and in accountancy (\$5,000).....	13 540 00
124. General Telephone and Electronics Laboratories, New York, New York: fellowships in communications, Department of Electrical Engineering, 1961-62 and 1962-63.....	5 000 00
125. Gregory Industries, Inc., Lorain, Ohio: fellowship in civil engineering, 1961-62.....	3 750 00
126. Grolier Foundation, Inc., New York, New York: the Grolier-Americana award for a graduate student in library science, 1962-63.....	1 000 00
127. Inland Steel-Ryerson Foundation, Inc., Chicago: fellowship in mining and metallurgical engineering, 1961-62.....	3 600 00
128. International Business Machines Corporation, Yorktown Heights, New York: fellowships in social sciences and electrical engineering, 1961-62.....	5 110 00
129. Johnson and Johnson, New Brunswick, New Jersey: Roger Adams Fellowship in organic chemistry, 1962-63.....	3 400 00
130. Jones and Laughlin Steel Corporation, Pittsburgh, Pennsylvania: fellowship in metallurgical engineering, 1961-62.....	2 600 00
131. Lead Industries Association, New York, New York: fellowships in ceramic engineering, 1961-62 and 1962-63.....	6 000 00
132. Lilly Endowment, Inc., Indianapolis, Indiana: fellowships in economics.....	6 000 00
133. Lubrizol Foundation, Cleveland, Ohio: fellowship in chemistry, 1962-63.....	3 000 00
134. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: fellowships in chemistry, chemical engineering, and physics (\$3,000 each), 1962-63.....	9 000 00

135. Monsanto Chemical Company, St. Louis, Missouri: two fellowships, one each in chemistry and in chemical engineering, 1961-62	6 000 00
136. Motorola, Inc., Franklin Park: Paul V. Galvin Fellowship in electrical engineering, 1961-62	2 500 00
137. National Lead Company, Houston, Texas: fellowship in geology, 1962-63	4 400 00
138. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: two fellowships in ceramic engineering, 1961-62	3 600 00
139. Parke, Davis, and Company, Ann Arbor, Michigan: fellowship in biochemistry, 1961-62	3 100 00
140. Procter and Gamble Company, Cincinnati, Ohio: fellowships in chemistry (\$4,040) and in chemical engineering (\$2,920), 1962-63	6 960 00
141. Pullman Foundation on behalf of the M. W. Kellogg Company, New York, New York: M. W. Kellogg Company Summer Fellowships in chemistry, summer 1962	500 00
142. Pure Milk Association, Chicago: Lauterbach Memorial Fellowship in food technology, 1961-62	1 500 00
143. Radio Corporation of America, Princeton, New Jersey: fellowship in electrical engineering, 1961-62	2 850 00
144. Raymond Concrete Pile Company, New York, New York: A. E. Cummings Memorial Fellowship in civil engineering, 1961-62	2 100 00
145. Raytheon Company, Waltham, Massachusetts: fellowship in physics, 1961-62	3 150 00
146. Rohm and Haas Company, Philadelphia, Pennsylvania: fellowship in the Department of Chemistry and Chemical Engineering, 1961-62	3 000 00
147. Shell Fellowship Committee of the Shell Companies Foundation, Inc., New York, New York: fellowships in chemical engineering (\$2,760) and in geology (\$2,760), 1961-62	5 520 00
148. Sinclair Research, Inc., New York, New York: fellowship in organic chemistry, 1962-63	2 500 00
149. Alfred P. Sloan Foundation, New York, New York: fellowships for three first-year graduate students in engineering, 1961-62	9 620 00
150. Society of the Sigma Xi, Illinois Chapter: fellowship	500 00
151. Socony Mobil Oil Company, Inc., New York, New York: fellowships in chemistry, 1961-62 and 1962-63	6 830 00
152. Stauffer Chemical Company, Chicago: fellowship in chemistry and chemical engineering in memory of August Kochs, founder of the Victor Chemical Works, a Division of Stauffer Chemical Company	3 000 00
153. Sun Oil Company, Philadelphia, Pennsylvania: fellowships in chemical engineering (\$3,370) and in chemistry (\$3,530), 1961-62	6 900 00
154. Television Shares Management Corporation, Chicago: fellowship in electrical engineering to promote the development of new teachers in electronics, 1961-62	2 000 00
155. Toni Company, Division of the Gillette Company, Chicago: fellowship in chemistry, 1961-62	4 000 00
156. Union Carbide Corporation and its subsidiary divisions	15 140 00
Chemical Industries Council: two fellowships, summer 1962	\$1 000 00
Parma Research Laboratory: fellowship in physics, 1961-62	3 360 00
Visking Company: fellowship in chemical engineering, 1961-62	3 720 00
Union Carbide Plastics Company: fellowship in chemistry	3 680 00
Union Carbide Metals Company: fellowship in mining, metallurgy, and petroleum engineering	3 380 00

157. United States Rubber Company Foundation, New York, New York: fellowship in physical and engineering sciences, 1961-62.....	2 910 00
158. United States Steel Foundation, Inc., New York, New York: fellowship in physics, 1961-62 and 1962-63.....	7 200 00
159. Universal Match Corporation, St. Louis, Missouri: fellowship in chemistry and chemical engineering, 1961-62.....	2 500 00
160. Upjohn Company, Kalamazoo, Michigan: fellowship in microbiology, 1962-63	3 982 00
161. Various donors: fellowships in the Jane Addams Graduate School of Social Work.....	11 352 00
Gads Hill Center, Chicago.....	\$ 1 800 00
Hull House Association, Chicago.....	4 000 00
Wieboldt Foundation, Chicago.....	2 652 00
Woods Charitable Fund, Chicago.....	900 00
Young Men's Jewish Council, Chicago.....	1 800 00
Young Women's Christian Association of Chicago	200 00
162. Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: fifteen fellowships, 1961-62.....	30 000 00
163. Zeta Phi Eta: fellowship in speech.....	663 00
	(383 515 03)
164. Abbott Laboratories, North Chicago.....	12 900 00
To the Department of Animal Science for studies in swine nutrition.....	\$1 500 00
To the Department of Physiology for a study of calcium metabolism	5 000 00
To the Department of Physiology for a study of animal gastro-intestinal tract.....	4 000 00
To the Radiocarbon Laboratory for research.....	2 400 00
165. Allied Chemical Corporation, Hopewell, Virginia: to the Department of Animal Science for a study on ruminant nutrition with particular regard to energy and nitrogen utilization	3 000 00
166. American Bird Products, Inc., Chicago: to the Department of Veterinary Pathology and Hygiene for a study of epidemiology and control of psittacosis and psittacoid diseases..	2 000 00
167. American Cancer Society, Inc., New York, New York.....	22 522 00
To the Department of Microbiology for studies on viruses	\$19 572 00
To the School of Life Sciences for a study of hemoproteins	2 000 00
To the Department of Botany for research.....	950 00
168. American Chemical Products, Inc., Ambler, Pennsylvania: to the Department of Agronomy for studies on soybeans....	500 00
169. American Chemical Society, Washington, D.C.....	79 450 00
To the Department of Chemistry and Chemical Engineering:	
For a study of surface phenomena in phase contacting.....	\$ 7 250 00
For a study of catalysis in a stirred reactor...	4 350 00
For a study of mechanisms of radical reactions	6 200 00
For a study of diffusion mechanism: molecules in solution.....	6 450 00
For nuclear magnetic and electron spin resonance studies of hydrocarbons.....	12 900 00
For a study of ferrocene derivatives.....	8 000 00
For research on petroleum.....	15 000 00
For studies on mechanisms of organic reactions	6 300 00
To the Department of Geology:	
For mineralogical and chemical studies of ancient sediments	6 000 00
For petrographic investigations of silurian reefs.....	7 000 00

170. American Cyanamid Company, Princeton, New Jersey.....	2 000 00
To the Department of Agronomy for studies on field experiments with phosphoric acid.....\$ 1 000 00	
To the State Natural History Survey for study on systemic insecticides for control of insects on wheat.....	1 000 00
171. American Dairy Association: to the Department of Food Technology.....	24 000 00
For a study of the relationship between dietary fat and composition of blood lipids.....\$12 000 00	
For an investigation of the effects of butterfat and corn oil in relation to the development of atherosclerosis.....	8 500 00
For a study of the relationship of milk protein to serum cholesterol levels.....	3 500 00
172. American Foundation for Management Research, Inc., New York, New York: to the Department of Management for a study of the critical requirements of executive motivation..	480 00
173. American Gas Association, New York, New York: to the Department of Mining, Metallurgy, and Petroleum Engineering for a study of the effects of alternating current on the corrosion of steels buried in soils.....	18 000 00
174. American Heart Association: to the Department of Food Technology for a study of B-lipoprotein liability.....	9 900 00
175. American Iron and Steel Institute, New York, New York..	16 500 00
To the Department of Theoretical and Applied Mechanics for studies of welded wire fabric for reinforced concrete	\$ 3 500 00
To the Department of Theoretical and Applied Mechanics for a study of behavior of higher strength steel in columns.....	13 000 00
176. American Oil Company: to the Department of Agricultural Engineering for a study on accelerated drying of farm grains	7 500 00
177. American Petroleum Institute, New York, New York: to the Department of Mining, Metallurgy, and Petroleum Engineering.....	9 000 00
For research on seismic energy paths in velocity logging.....\$ 5 000 00	
For research on drillability and the surface energy of solids	4 000 00
178. American Psychological Association, Washington, D.C.: to the Institute of Communications Research for a research project on information exchange among and connotations of psychological journals.....	7 221 31
179. American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc., New York, New York: to the Department of Mechanical and Industrial Engineering.....	12 000 00
For a study of selection and application of air measuring devices	\$ 2 500 00
For a study of safety with high temperature water systems	2 500 00
For a study of steam and condensate flow in pipes	7 000 00
180. American Steel and Wire Company, Cleveland, Ohio: to the Department of Theoretical and Applied Mechanics for a study on behavior of deformed wire fabric in concrete.....	6 800 00
181. Amsted Industries, Inc., Chicago: to the Department of Mechanical and Industrial Engineering for research in the field of cast metals education.....	500 00
182. Archer-Daniels-Midland Foundation, Minneapolis, Minnesota: to the Department of Food Technology for studies on fats and oils.....	1 500 00

183. Armington Illinois Community Chest: to the Department of Food Technology for lipids research.....	392 16
184. Association of American Railroads: to the Department of Civil Engineering for a study of the performance of filter material in subdrains.....	2 800 00
185. Association of American Railroads and American Iron and Steel Institute: to the Department of Theoretical and Applied Mechanics for a study of the cause of failures in railroad rails in service.....	16 000 00
186. Armour Pharmaceutical Company.....	8 290 00
To the Department of Veterinary Physiology and Pharmacology for a study of pharmacological characterization of new drugs potentially useful in veterinary medicine with particular emphasis on drugs affecting the nervous system.....	\$ 6 440 00
To the Department of Health and Safety Education for a study of the effect of certain medications on the individual as to reaction time, steadiness, and visual acuity.....	1 850 00
187. Bear Hybrid Corn Company, Inc., Decatur: to the Department of Agronomy for corn research.....	5 000 00
188. Bendix Aviation Corporation, South Bend, Indiana: to the Department of Ceramic Engineering for a study of thermal diffusivity and elastic moduli of ceramic-metal combinations at elevated temperatures.....	26 276 25
189. California Chemical Company, Ortho Division, Richmond, California: to the Department of Plant Pathology for studies on control of diseases of turf grass.....	300 00
190. Carle Foundation, Urbana: to the Department of Physiology and Biophysics for a study of the contractile force of the heart muscle under varying situations of drug administration and myocardial ischemia.....	1 000 00
191. Carnegie Corporation of New York, New York: to the University High School.....	153 000 00
Development of a new elementary school arithmetic curriculum.....	\$71 300 00
Development of a new high school mathematics curriculum.....	81 700 00
192. Caterpillar Tractor Company, Peoria: to the Department of Civil Engineering for studies of the behavior of U-shaped structural members subjected to torsion and flexure.....	13 000 00
193. Ciba Pharmaceutical Products, Inc., Summit, New Jersey: to the Department of Physiology and Biophysics for a study of animal gastro-intestinal tract.....	4 000 00
194. Climax Molybdenum Company, New York, New York: to the Department of Agronomy for studies on trace elements..	1 500 00
195. Columbia University, New York, New York (from a Sloan Foundation grant): to the Department of Chemistry and Chemical Engineering for research in physical chemistry....	1 859 51
196. Commercial Solvents Corporation, Terre Haute, Indiana: to the Department of Animal Science.....	6 000 00
For a study on vitamins and growth factors in swine nutrition	\$ 3 000 00
For a study of destruction of vitamin A in the rumen.....	3 000 00
197. Consolidated Electrodynamics Corporation, Pasadena, California: to the Department of Ceramic Engineering for research in the area of hermetic seals and electrical properties of special glasses.....	5 500 00
198. Container Corporation of America, Chicago: to the Department of Agricultural Engineering for studies on storage of shelled corn.....	2 500 00

199.	Corn Industries Research Foundation, Inc., Washington, D.C.....	26 827 00
	To the Department of Agronomy for a study of the breeding and genetics of high oil corn.....	\$12 827 00
	To the Department of Home Economics for studies on behavior of starches in food products..	6 500 00
	To the Department of Chemistry and Chemical Engineering for studies on metal complexes of starch.....	7 500 00
200.	Council of Ten and the University of Chicago: to the Department of Broadcasting for studies of institutional cooperation.....	750 00
201.	Crop-Hail Insurance Actuarial Association, Chicago: to the State Water Survey to study factors producing hailstorms in Illinois.....	6 000 00
202.	Dawe's Laboratories, Inc., Chicago: to the Department of Animal Science for a study on animal and poultry nutrition	2 000 00
203.	Diamond Alkali Company, Cleveland, Ohio: to the Department of Plant Pathology for studies on soil fungicides.....	300 00
204.	Dow Corning Corporation, Midland, Michigan: to the Department of Chemistry and Chemical Engineering for research.....	500 00
205.	E. I. du Pont de Nemours and Company Inc., Wilmington, Delaware.....	25 000 00
	To the Department of Chemistry and Chemical Engineering for research in chemistry (\$15,000) and in chemical engineering (\$5,000).....	\$20 000 00
	To the Department of Physics for research.....	5 000 00
206.	Eisner Food Stores, Champaign: to the Department of Marketing for research.....	500 00
207.	Engineering Foundation, New York, New York: to the Department of Civil Engineering for a study of structural joints — riveted and bolted.....	26 395 00
208.	Ford Foundation, New York, New York.....	112 118 73
	To the Bureau of Economic and Business Research for the savings research project of the Inter-University Committee for Research on Consumer Behavior	\$12 500 00
	To the Department of Sociology for the systematic development of new concepts and practices of delinquency prevention.....	2 500 00
	To the Department of Sociology for expansion of a study of the effectiveness of the federal correctional system and dissemination of its findings to interested professionals in the fields of criminal law and corrections.....	22 500 00
	To the Office of Community Development for a project to help define the University's role in meeting urban problems and to develop a training program for services to Illinois' rapidly urbanizing communities (a partial payment of a total grant of \$125,000).....	60 000 00
	To the Department of Electrical Engineering for research in the behavioral sciences.....	1 178 73
	To the University Press to stimulate scholarly publication in the humanities and social sciences..	13 440 00
209.	Ford Motor Company, Dearborn, Michigan: to the Department of Animal Science for research into factors affecting the immunological response of the pig.....	2 000 00
210.	Foundry Educational Foundation, Cleveland, Ohio: to the Department of Mechanical and Industrial Engineering for research.....	250 00

211.	Geigy Chemical Corporation, Ardsley, New York: to the Department of Veterinary Pathology and Hygiene for a study of canine dermatitis.....	525 00
212.	General Electric Foundation, Ossining, New York: to the Department of Mathematics for research.....	5 000 00
213.	General Motors Corporation: to the Departments of Electrical Engineering and Theoretical and Applied Mechanics (\$500 each) for research.....	1 000 00
214.	Goodyear Aircraft Corporation, Akron, Ohio: to the Department of Ceramic Engineering for research.....	7 486 69
215.	Granite City Steel Company, Granite City, Illinois: to the Department of Agricultural Engineering for studies on optimum environmental conditions for the growth of swine.....	2 500 00
216.	Gregory Industries, Inc., Lorain, Ohio: to the Department of Civil Engineering for a study of welded studs.....	6 000 00
217.	Griffin Wheel Company, Chicago.....	38 000 00
	To the Department of Ceramic Engineering for a study of steel casting refractories.....	\$22 500 00
	To the Department of Theoretical and Applied Mechanics for a study of cast steel railway car wheels	15 500 00
218.	Grolier Foundation, Inc.: to the College of Education for a study of high school reading interests.....	6 499 66
219.	Hercules Powder Company, Inc., Wilmington, Delaware: to the Department of Chemistry and Chemical Engineering for fundamental research	2 500 00
220.	Human Ecology Fund, New York, New York: to the Institute of Communications Research for a study of the cross-cultural generality of meaning systems.....	77 720 20
221.	Illinois Agricultural Association: to the Department of Food Technology for a study of the quality of dairy products.....	1 000 00
222.	Illinois Archaeological Survey: to the Department of Anthropology for preliminary site examination and preliminary testing and excavation.....	1 091 05
223.	Illinois Dairy Products Association, Inc., Chicago: to the Department of Dairy Science for cream quality research....	2 250 00
224.	Illinois Farm Bureau Serum Association, Bloomington: to the Department of Veterinary Pathology and Hygiene for studies on diagnostic tests for hog cholera.....	4 000 00
225.	Illinois Farm Electrification Council: to the College of Agriculture for a study of rural electrification.....	15 390 00
	Contributing corporations:	
	Association of Illinois Electric Cooperatives of Springfield	\$7 000 00
	Central Illinois Electric and Gas Company.....	425 00
	Central Illinois Light Company of Springfield.....	550 00
	Central Illinois Public Service Company.....	1 250 00
	Commonwealth Edison Company of Chicago.....	3 500 00
	Illinois Power Company.....	2 450 00
	Interstate Power Company.....	52 00
	Iowa-Illinois Gas and Electric Company.....	60 00
	Mt. Carmel Public Utility Company.....	60 00
	Union Electric Company.....	43 00
226.	Illinois Farm Supply Company, Bloomington.....	7 400 00
	To the Department of Dairy Science for studies on dairy cattle feeding and nutrition.....	\$ 600 00
	To the Department of Animal Science for studies of swine, poultry, and nutrition.....	1 800 00
	To the Department of Agricultural Engineering for a study on improvement of farm tractor maintenance	5 000 00

227. Illinois Heart Association: to the Department of Food Technology for a study of the relationship of dietary components to cholesterol metabolism.....	9 000 00
228. Illinois Liquid Fertilizer Association of Monticello: to the Department of Agronomy for studies of liquid and dry fertilizers.....	500 00
229. Illinois Seed Producers Association, Inc., Champaign.....	10 000 00
To the Department of Agronomy for corn research.....	\$7 500 00
To the Department of Plant Pathology for corn research.....	2 500 00
230. Illinois Turfgrass Foundation, Inc., Lombard: to the Department of Horticulture for studies on turf grasses.....	1 400 00
231. Institute of Boiler and Radiator Manufacturers, New York, New York: to the Department of Mechanical and Industrial Engineering for a study of steam and water heating.....	39 600 00
232. Jersey Production Research Company, Tulsa, Oklahoma: to the Department of Mechanical and Industrial Engineering for machine design research.....	1 072 50
233. Kearney and Trecker Corp., Milwaukee, Wisconsin: to the Department of General Engineering for research.....	1 500 00
234. Charles F. Kettering Foundation, Hinsdale: to the Department of Chemistry and Chemical Engineering for the development and construction of apparatus for the measurement of the magnetic susceptibility of small samples over wide temperature ranges.....	12 500 00
235. Kretschmer Corporation, Carrollton, Michigan: to the Department of Physical Education for Men for a study of the relative effects of wheat germ oil on physical performance tests.....	1 250 00
236. Lawrenceville Garden Club, Lawrenceville, Illinois: to the Department of City Planning and Landscape Architecture for a central area study project.....	2 400 00
237. Lilly Endowment, Inc., Indianapolis, Indiana: for research in the study of individual freedom.....	34 000 00
238. Harry J. Loman Foundation, Bryn Mawr, Pennsylvania: to the Department of Finance for research in insurance education.....	75 00
239. Malting Barley Improvement Association, Milwaukee, Wisconsin: to the Department of Agronomy for studies on barley variety tests.....	345 00
240. Merck and Company, Inc., Rahway, New Jersey: to the Department of Animal Science for a study on growth stimulants for swine.....	3 000 00
241. William S. Merrell Company, Cincinnati, Ohio: to the Department of Marketing for research.....	600 00
242. Midwest Agricultural Limestone Institute, Kankakee: to the Department of Agronomy for studies on soil management research.....	500 00
243. Mrs. C. Philip Miller, Chicago: to the Department of Forestry for research.....	3 098 96
244. University of Minnesota, Minneapolis, Minnesota (from a grant from the Ford Foundation): to the Department of Mathematics for a study of mathematics for business.....	5 000 00
245. Monsanto Chemical Company, St. Louis, Missouri.....	5 600 00
To the Department of Agronomy for studies on herbicidal action of chemical compounds.....	\$2 500 00
To the Department of Food Technology for studies on phosphates in milk.....	1 600 00
To the Department of Agricultural Economics for studies on the economic use of fertilizers.....	1 500 00

246. Moorman Manufacturing Company, Quincy: to the Department of Animal Science.....	5 200 00
For a study of nutritional quality of pig starter rations	\$2 600 00
For a study on poultry nutrition.....	2 600 00
247. Mark L. Morris Animal Foundation, Denver, Colorado: to the Department of Veterinary Clinical Medicine for a study of a urethral substitute for the canine and feline patient....	1 957 50
248. Morton Chemical Company, Woodstock: to the Department of Plant Pathology for studies on fungicides.....	1 000 00
249. Mosinee Paper Mills Company, Mosinee, Wisconsin: to the Department of Agricultural Engineering for studies on mulching with paper.....	1 000 00
250. Muscular Dystrophy Associations of America, Inc., New York, New York: to the Department of Animal Science for studies on metabolism of radioactive vitamin E in the rat..	4 305 58
251. National Academy of Sciences, Washington, D.C.: to the Highway Traffic and Safety Center for a study of motor vehicle registration and titling practices.....	2 000 00
252. National Distillers and Chemical Corporation, New York, New York: to the Department of Agronomy for studies of the requirements of different genetic lines of soybeans.....	6 000 00
253. National Educational Television and Radio Center, New York, New York: to the Department of Mathematics for a study to determine use of film demonstration in teacher education in mathematics.....	37 991 92
254. National Lead Company: to the Department of Chemistry and Chemical Engineering for research in titanium chemistry	6 413 00
255. National Lime Association, Washington, D.C.: to the Department of Geology for a study by X-ray diffraction and other methods of the reactions in the clay mineral and other mineral components of various types of soils when treated with lime for the purpose of stabilization for road surfaces..	5 625 00
256. National Live Stock and Meat Board, Chicago: to the Department of Food Technology for studies on the biological utilization of fatty acid isomers.....	8 500 00
257. National Roofing Contractors Association: to the Small Homes Council-Building Research Council for a study of roofing failures	3 500 00
258. National Society for Crippled Children and Adults, Chicago: to the Division of Rehabilitation-Education Services for a study on the development of specifications for buildings and facilities to accommodate individuals in wheelchairs and others with severe forms of physical disability.....	4 082 50
259. National Soybean Crop Improvement Council, Decatur, Indiana: to the Department of Agronomy for a study of soil fertility requirements of different genetic lines of soybeans	7 000 00
260. National Steel Corporation, Weirton, West Virginia: to the Department of Civil Engineering for an evaluation of the fatigue behavior of welded joints in N-A-Xtra high-strength steels	19 000 00
261. National Vitamin Foundation, Inc., New York, New York.. To the Department of Animal Science for a study of vitamin E functions.....	13 503 08
To the Radiocarbon Laboratory for a study of metabolism of radioactive vitamin A.....	\$5 000 00
262. National Warm Air Heating and Air Conditioning Association, Cleveland, Ohio: to the Department of Mechanical and Industrial Engineering for studies of heating, ventilating, and air conditioning as related to warm-air furnace heating.....	8 503 08
	33 042 00

263. New Holland Machine Company, New Holland, Pennsylvania: to the Department of Agricultural Engineering for a study on rural electrification.....	2 000 00
264. Olin Mathieson Chemical Corporation, Little Rock, Arkansas: to the Department of Agronomy for a study to compare ammonium phosphates with other sources of phosphate in banded and broadcast applications for corn.....	750 00
265. Earl Osborn, New York, New York: to the Institute of Communications Research to assist in the publication of a monograph on psychological factors in war and peace.....	5 160 32
266. Pennsalt Chemicals Corporation, Aurora: to the Department of Plant Pathology for fruit research.....	750 00
267. Chas. Pfizer and Company, Inc., New York, New York: to the Department of Animal Science for a study to evaluate amino acids, unidentified growth factors, vitamins, and antibiotics in swine.....	2 500 00
268. Population Council, Inc., New York, New York: to the Department of Sociology for research.....	2 035 00
269. Portland Cement Association, Chicago.....	47 000 00
To the Department of Agricultural Engineering for studies on farm structures.....	\$ 2 000 00
To the Department of Civil Engineering for a study of the strength and deformation characteristics of reinforced concrete beam-column connections subjected to axial and transverse loads.....	45 000 00
270. Procter and Gamble Company, Cincinnati, Ohio: to the Department of Botany for a study of fatty alcohols to reduce transpiration and evaporation in plants.....	13 110 00
271. Quaker Oats Company, Chicago: to the Department of Agronomy for a study of oat hybrids.....	3 100 00
272. Reinforced Concrete Research Council: to the Department of Civil Engineering for research.....	7 500 00
273. Resources for the Future, Inc., Washington, D.C.: to the Bureau of Community Planning for an urban and regional survey.....	10 000 00
274. Rockefeller Foundation, New York, New York.....	26 286 95
To the Department of Agronomy for a study of polyploids in maize.....	\$ 3 724 18
To the Bureau of Economic and Business Research for a study of government subsidies in countries in Western Europe and their influence on economic growth and stability.....	2 850 00
To the Department of Entomology for research..	19 712 77
275. Rohm and Haas Company, Philadelphia, Pennsylvania.....	1 350 00
To the Department of Agronomy for studies on herbicidal field testing.....	\$300 00
To the Department of Plant Pathology for studies on turf disease.....	300 00
To the Department of Plant Pathology for studies of field testing fungicides.....	750 00
276. Shaw Process Development Corporation, Port Washington, New York: to the Department of Mechanical and Industrial Engineering for foundry research.....	4 279 90
277. Shell Chemical Corporation: to the State Natural History Survey for research on insecticides.....	2 500 00
278. Alfred P. Sloan Foundation, Inc., New York, New York... To the Department of Chemistry and Chemical Engineering for research.....	\$37 305 00
To the Department of Physics for research.....	18 975 00
279. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: to the Health Service for anti-viral chemotherapy research.....	1 500 00

280. Socony Mobil Oil Company, Inc., Paulsboro, New Jersey: to the Department of Chemistry and Chemical Engineering for research on metal coordination of complexes.....	4 000 00
281. Sonic Research Foundation, Chicago: to the Department of Electrical Engineering for acoustics research.....	1 000 00
282. State University of Iowa, Iowa City, Iowa: to the Department of Electrical Engineering for ultrasonic research project.....	10 500 00
283. Stauffer Chemical Company, San Francisco, California: to the Department of Agronomy for studies on herbicides.....	800 00
284. Tee-Pak Foundation: to the Department of Food Technology for a study on various types of films as retardants to deterioration of meat and meat products.....	3 500 00
285. Telecomputing Corporation, Los Angeles, California: to the Department of Ceramic Engineering for a study of metal pyrophosphates	3 250 00
286. Texaco, Inc., New York, New York: to the Department of Agricultural Engineering for a study on methods and machines for more efficient application of anhydrous ammonia, aqua ammonia, and slurries of dry and liquid nutrients.....	3 500 00
287. Union Carbide Corporation, New York, New York: to the Departments of Chemistry and Chemical Engineering, Electrical Engineering, and Mechanical and Industrial Engineering for research.....	700 00
288. United States Steel Corporation, Pittsburgh, Pennsylvania: to the Department of Agricultural Economics for a study of the determination, tabulation, and critical analysis of existing barriers to the marketing of sterile concentrated milk	10 000 00
289. Upjohn Company, Kalamazoo, Michigan.....	12 000 00
To the Department of Chemistry and Chemical Engineering for research.....	\$2 000 00
To the Department of Plant Pathology for studies on new antibiotics.....	8 000 00
To the Radiocarbon Laboratory for a study of radioactive hydrogen in organic chemistry.....	2 000 00
290. Various donors: to the Department of Civil Engineering for a study of lime-pozzolon mixtures of soils.....	17 375 00
Burrill Construction and Supply, New Kensington, Pennsylvania	\$1 000 00
Connecticut Light and Power Company, Berlin, Connecticut.....	3 000 00
G. and W. H. Corson, Plymouth Meeting, Pennsylvania.....	3 875 00
National Lime Association, Washington, D.C.....	7 500 00
Philadelphia Electric Company, Philadelphia, Pennsylvania	2 000 00
291. Various donors: to the University High School to continue a study on nonverbal awareness.....	1 375 00
American Museum of Natural History, New York, New York	\$200 00
Hamilton College, Clinton, New York.....	175 00
Melvin Pfaelzer	300 00
Gertrude Hendrix, Urbana.....	700 00
292. Velsicol Chemical Corporation, Chicago.....	7 000 00
To the Department of Zoology for research on the toxicology of insecticides.....	\$5 000 00
To the State Natural History Survey for a study of residues in meat and milk.....	2 000 00

293. VioBin Corporation, Monticello.....	6 500 00
To the Department of Animal Science:	
For a study of fishmeal and fishmeal products in swine nutrition	\$1 700 00
For a study of proteins and fats.....	400 00
To the Department of Physical Education for Men for a study of the value of wheat germ oil in physical fitness programs.....	4 400 00
294. Hiram Walker and Sons, Inc., Detroit, Michigan: to the Department of Animal Science for a study on the nutritive properties of dried distillers' solubles in swine nutrition....	760 00
295. Washington University, St. Louis, Missouri (from a grant from the Ford Foundation): to the Institute of Labor and Industrial Relations for a study of public and private job placement of middle-aged and older workers.....	3 025 00
296. Welding Research Council: to the Department of Civil Engineering for an investigation of welding procedure.....	10 000 00
297. Wisconsin-Minnesota Cooperative Bull Stud Group, Shawano, Wisconsin: to the Department of Dairy Science for a study of the effect of aging on the nuclear material of bovine spermatozoa.....	3 220 00
	(1 440 363 77)

Total, Funds for Graduate Fellowships and Research... \$ 1 823 878 80

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

298. American Mathematical Society: to the Department of Mathematics for publication of a journal of mathematics (also financed in part by assignments from the George A. Miller Endowment)	\$ 1 200 00
299. Babcock and Wilcox Company, New York, New York: to the College of Engineering for engineering and technical education.....	1 400 00
300. Alfred Benesch and Company, Chicago: an unrestricted gift to the Department of Civil Engineering, in memory of the late V. M. Romine, an alumnus of the University of Illinois and formerly engineer of Bridge and Traffic Structures for the Illinois Division of Highways.....	2 000 00
301. California Company, New Orleans, Louisiana: an unrestricted grant to the Department of Geology.....	500 00
302. Champaign County Health Improvement Association, Champaign: to the Department of Speech and Theatre for the purchase of a tape recorder for the Speech and Hearing Clinic	149 21
303. Chicago Bridge and Iron Foundation, Chicago: an assistantship in civil engineering, 1961-62.....	7 000 00
304. Chicago 4-H Association: to the College of Agriculture for urban 4-H Club work.....	4 000 00
305. Continental Can Company, Inc., New York, New York: an unrestricted grant to the College of Engineering.....	500 00
306. Ford Foundation, New York, New York: for the participation of the Cooperative Extension Service in Agriculture and Home Economics in an educational program relating to public affairs and public responsibilities.....	6 500 00
307. Ford Motor Company, Dearborn, Michigan: to the Department of Mechanical and Industrial Engineering for development of laboratory facilities.....	10 000 00
308. Illinois Savings and Loan League, Springfield: to the Department of Finance for a Financial Institutions Seminar...	1 468 08
309. Illinois State Academy of Science: to the Physical Plant Department for expenses in connection with the Junior Academy of Science Exposition held on the University of Illinois campus	4 700 00

310. Illinois State Florist Association: to the Department of Horticulture for the purchase of research equipment.....	2 500 00
311. Institute of Life Insurance, New York, New York: to the College of Education for a summer workshop on education in family finance.....	3 250 00
312. International Business Machines Corporation: to the Digital Computer Laboratory for support of computer oriented education (this is partial payment of a total grant of \$125,000)	50 000 00
313. Inter-University Committee on Travel Grants: for 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...	3 402 00
314. Kappa Tau Alpha, national honorary society in journalism: for expenses for an annual journalism banquet (to be added to the endowment fund established for this purpose).....	505 00
315. Charles F. Kettering Foundation, Hinsdale: to the Department of Chemistry and Chemical Engineering for a Visiting Lectureship in Chemistry (first payment of a \$50,000 grant covering a five-year period).....	10 000 00
316. Mr. and Mrs. Charles J. Merriam: an unrestricted gift for a special fund to be established over a period of years.....	22 345 35
317. National Education Association: to the Bureau of Educational Research for publication of a handbook.....	1 000 00
318. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: to the Department of Ceramic Engineering for the purchase of equipment	5 000 00
319. 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 Program on Airborne Television instruction. The funds received are primarily for salaries, travel, and office expense incurred in assisting the public schools in eastern Illinois to receive, use, and evaluate these experimental programs.).....	7 548 44
320. Tile Council of America, Inc., New York, New York: to the Department of Architecture for purchase of equipment in the area of materials and methods of construction.....	250 00
321. Various donors: to the Department of Accountancy for expenses in connection with an International Conference on Accounting Education	2 250 00
Amsted Industries Foundation, Chicago.....	\$ 250 00
A. B. Dick Foundation, Chicago.....	500 00
Ernst and Ernst, Chicago.....	1 000 00
Price Waterhouse and Company, Chicago.....	500 00
322. Various donors: to the Department of Geography for an Atlas of Illinois Resources.....	2 775 00
Central Illinois Electric and Gas Company, Rockford.....	\$ 250 00
Central Illinois Public Service Company, Springfield.....	1 000 00
Commonwealth Edison Company, Chicago.....	1 000 00
Illinois Power Company, Decatur.....	300 00
Iowa-Illinois Gas and Electric Company, Davenport, Iowa	125 00
Union Electric Company, St. Louis, Missouri.....	100 00
323. Western Electric Fund, New York, New York: to the Department of Electrical Engineering for purchase of laboratory equipment	895 00
<i>Total, Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified...</i>	<i>\$ 151 138 08</i>

Educational Grants Fund

The Board of Trustees has established this fund and has authorized the President to make assignments from it for non-recurring educational purposes. The income is 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:

324. Alcoa Foundation, Pittsburgh, Pennsylvania.....	\$	375 00
325. Armco Foundation, Middletown, Ohio.....		100 00
326. Budd Company, Philadelphia, Pennsylvania.....		425 00
327. Campbell Soup Company, Chicago, Illinois.....		3 500 00
328. Carle C. Conway Scholarship Foundation, New York, New York.....		300 00
329. General Electric Foundation, Ossining, New York.....		4 000 00
330. Hunt Foundation, Pittsburgh, Pennsylvania.....		125 00
331. International Business Machines Corporation, New York, New York.....		5 000 00
332. Mary C. Marsh bequest, Detroit, Michigan.....		1 000 00
333. Marsteller, Inc., Chicago Illinois.....		25 00
334. Merck and Company, Inc., Rahway, New Jersey.....		500 00
335. Owens-Corning Fiberglas Corporation, Toledo, Ohio.....		500 00
336. Owens-Illinois Glass Company, Toledo, Ohio.....		1 200 00
337. Radio Corporation of America, Princeton, New Jersey.....		100 00
338. Rockefeller Foundation, New York, New York.....		4 000 00
339. H. O. Sexton, Urbana, Illinois.....		10 00
340. Hiram Walker-Gooderham and Worts Limited, Walkerville, Ontario, Canada		350 00
341. Woman's League, University of Illinois.....		6 00
<i>Total, Educational Grants.....</i>	\$	21 516 00

Contributions from County Farm and Home Bureaus

342. To the Cooperative Extension Service in Agriculture and Home Economics for partial payment of salaries and operating expenses of farm and home advisers.....	\$	1 059 215 22
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Gifts for Educational and Research Buildings and for Other Facilities

343. Robert Allerton: for acquisition of additional land adjoining Robert Allerton Park.....	\$	1 687 50
344. Ethel Burnside, Paris, Illinois: for construction of the Burnside Research Laboratory (partial payment of total gifts of \$250,000).....		25 014 18
345. Eastman Kodak Company: for development of plans for a new chemistry building.....		11 500 00
346. Moorman Company Fund, Quincy, Illinois: for buildings, equipment, and other facilities for animal breeding research.....		30 000 00
347. University of Illinois Foundation.....		48 418 67
For architectural services on addition to Electrical Engineering Building	\$18 918 67	
For the Krannert Art Museum sculpture and acquisition of art objects (from the Krannert Foundation).....	28 500 00	
For the construction of the Veterinary Medical Research Building	1 000 00	
For construction of the Labor and Industrial Relations building..		8 500 00
348. Commonwealth Edison Company, Chicago.....	\$3 000 00	
349. Illinois State Council of Machinists, Quincy.....	500 00	
350. Magnavox Foundation, Inc., Ft. Wayne, Indiana...	2 500 00	

351. Union Starch and Refining Foundation, Columbus, Indiana.....	2 500 00	
Gifts for this project from other donors have previously been reported.		
For construction of the University Club.....		30 000 00
352. Mr. and Mrs. Harold Boeschstein.....	\$10 000 00	
353. William E. Levis.....	10 000 00	
354. Owens-Illinois Glass Company.....	10 000 00	
<i>Total, Gifts for Educational and Research Buildings and for Other Facilities.....</i>		<i>\$ 155 120 35</i>
<i>Federal Grants for Buildings and Other Facilities</i>		
355. National Institutes of Health.....	\$	490 027 00
Physiology Research Laboratory.....	\$ 76 000 00	
Zoonoses Laboratory Building.....	81 695 00	
Electrical Engineering Bioacoustics Laboratory..	57 832 00	
Life Sciences Building, First Unit (Justin Smith Morrill Hall)	274 500 00	
356. National Science Foundation.....		184 765 00
Addition to Electrical Engineering Building.....	\$24 464 00	
Gaseous Electronics Laboratory.....	46 736 00	
Digital Computer Laboratory.....	42 005 00	
Entomology Laboratory Building.....	37 808 00	
Natural History Building Remodeling.....	24 900 00	
Scientific Equipment Program.....	5 560 00	
Animal Genetics Laboratory.....	3 292 00	
<i>Total, Federal Grants for Buildings and Other Facilities..</i>		<i>\$ 674 792 00</i>
<i>United States Government Grants and Research Contracts</i>		
357. Agency for International Development.....	\$	626 566 51
358. Air Force	2 244 221 36	
359. Army Chemical Corps.....	42 145 34	
360. Army Institute	1 720 00	
361. Army Ordnance	405 957 59	
362. Army Quartermaster Corps.....	27 269 54	
363. Army Signal Corps.....	3 018 621 73	
364. Army Surgeon General.....	67 866 48	
365. Atomic Energy Commission.....	2 119 631 21	
366. Bureau of Public Roads.....	29 724 09	
367. Defense Atomic Support Agency.....	51 115 38	
368. Department of Agriculture.....	128 466 32	
369. Engineering Center	22 529 69	
370. Fifth Army	1 631 64	
371. National Academy of Sciences.....	4 846 24	
372. National Aeronautics and Space Administration.....	284 634 00	
373. National Bureau of Standards.....	622 00	
374. National Defense Education Act.....	15 068 26	
375. National Science Foundation.....	1 605 548 62	
376. Navy Bureau of Ships.....	689 229 40	
377. Navy Bureau of Yards and Docks.....	10 000 00	
378. Office of Education.....	692 045 13	
379. Office of Civil Defense.....	22 613 37	
380. Office of Naval Research.....	1 977 889 04	
381. Office of Vocational Rehabilitation.....	51 490 17	
382. Public Health Service.....	2 805 687 44	
383. Small Business Administration.....	24 100 00	
384. Tennessee Valley Authority.....	917 02 ¹	
<i>Total, United States Government Grants and Research Contracts.....</i>		<i>\$16 970 323 53</i>

¹ Deduct, refund of unused funds.

Research and Public Service Contracts with State of Illinois Agencies

385. Cities and Villages Municipal Problems Commission.....	\$ 2 500 00
386. State Department of Agriculture.....	60 896 17
387. State Department of Conservation.....	80 307 22
388. State Department of Mental Health.....	25 751 55
389. State Department of Public Safety.....	71 968 34
390. State Department of Public Works and Buildings, Division of Highways	351 127 74
391. State Department of Registration and Education.....	13 295 00
392. State Division of Vocational Rehabilitation.....	29 412 00
393. State Housing Board.....	450 00
394. State Library	26 250 00
395. State Public Aid Commission.....	13 000 00
396. State Superintendent of Public Instruction.....	11 939 29

Total, Research and Public Service Contracts

with State of Illinois Agencies..... \$ 686 897 31

Miscellaneous Gifts of Equipment and Works of Art

397. Anonymous donor: to the Institute of Aviation a DC-3, N 28 U aircraft, including electronic equipment; estimated value.....	\$ 125 000 00
398. Professor Arthur Bestor, University of Washington, Seattle: to the University Library, his personal and professional papers.	
399. Class of 1911: a bronze portrait (bust) of President Emeritus Lloyd Morey; estimated value.....	2 000 00
400. Collins Radio Company, Cedar Rapids, Iowa: to the De- partment of Electrical Engineering, a five-kilowatt broad- cast transmitter; estimated value.....	2 000 00
401. Dow Chemical Company, Midland, Michigan: to various departments, 133 cases of "Saran Wrap," a plastic wrapping material.	
402. Endevco Corporation, Pasadena, California: to the De- partment of Mechanical and Industrial Engineering, two accelerometers with cable assembly and tube; estimated value.....	1 012 60
403. Esso Research and Engineering Company, Linden, New Jer- sey: to the Department of Mechanical and Industrial Engi- neering, an Adiabatic compression machine; estimated value	30 000 00
404. General Electric Company, Schenectady, New York: to the Chemistry Library, the collected works of Irving Langmuir with contributions in memoriam.	
405. General Motors Corporation, Buick Motor Division: to the Department of Mechanical and Industrial Engineering, a 1962 Buick V-6 engine; estimated value.....	750 00
406. General Motors Corporation, Detroit, Michigan: to the Institute of Aviation, an eight-passenger Lockheed Lodestar executive-equipped aircraft; estimated value.....	50 000 00
407. A. O. Smith Harvestore Products, Inc., Kankakee: to the Department of Animal Science, three silos plus accessory equipment; estimated value.....	18 589 00
408. Henderson Manufacturing Company, Fisher: to the De- partment of Horticulture, one 18T Henderson thin-cut ma- chine (lawn mower); estimated value.....	125 00
409. Dr. David D. Henry, Urbana, to the Speech and Hearing Clinic, a Maico hearing aid, and to the Physical Plant De- partment, a screen house.	
410. Illinois and Midwest Lawn Company: to the Department of Plant Pathology, a Jacobsen mower; estimated value.....	425 00

411. Illinois Farm Supply Company, Bloomington: to the Department of Agricultural Engineering, a Model 200 high moisture roller mill complete with three-horsepower motor; estimated value	500 00
412. Lincoln Memorial University Press, Harrogate, Tennessee: to the Illini Union Lending Library, a print of Abraham Lincoln.	
413. Packard Instrument Company, Inc., La Grange: to the Departments of Botany, Chemistry and Chemical Engineering, and Microbiology, parts to modernize and update four Model 314A Packard spectrophotometers; estimated value.....	4 000 00
414. Paul Grady, Partner in Price Waterhouse and Company, New York, New York: to the University Library, reports of the Hoover Commissions and a collection of books about President Herbert Hoover (approximately fifty volumes).	
415. Roberts and Schaefer Company, Chicago: to the Department of Mining, Metallurgy, and Petroleum Engineering, the Dutch State Mines Heavy Medium Cyclone display equipment used at the May 1961 American Mining Congress Coal Show; estimated value.....	1 000 00
416. Miss Betsy Ross, Urbana: a State flag (this flag was in the home of Miss Ross' late uncle, President Arthur Cutts Willard, and was a personal gift from Governor Henry Horner to President Willard).	
417. Leon Short and Son, Keokuk, Iowa: to the College of Agriculture, one Jacobsen Greensmower 22 inches; estimated value.....	200 00
418. Estate of the late Isabelle Smith: a Noah Webster Grammar, 1807, bequeathed to the University in memory of Isabelle Smith's grandfather, Mr. Larkin B. Smith, a deceased resident of Illinois.	
419. Union Carbide Corporation, New York, New York: To the Department of Civil Engineering, miscellaneous equipment; estimated value.....	2 814 20
To the Department of Mining, Metallurgy, and Petroleum Engineering, scientific equipment; estimated value.....	3 375 00
420. WTVF, Decatur: to the Department of Broadcasting, an iconoscope and a monoscope.	
421. Dr. Herbert S. Zim, Tavernier, Florida: to the Museum of Natural History, a collection of archaeological specimens; estimated value	2 662 00
Gifts to the Krannert Art Museum.....	97 156 00
422. Mr. Leonard Bocour, Artists Colors Inc., New York, New York: an oil on masonite, "Torah," by Jonah Kinigstein; estimated value	1 000 00
423. Mr. Phillip Bruno, Staempfli Gallery, New York, New York: Water color, "Study for Sculpture," by Sidney Gordin; estimated value.....	100 00
Wax pastel, "Sleeping Warrior," by Mirko (Basaldella); estimated value.....	250 00
Painting, "Still Life," by Giuseppe Napoli; estimated value	500 00
Gouache, "The Cellists," by Bernard Reder; estimated value	250 00
Water color, "Composition," by Ralph Rosenberg; estimated value	400 00
Oil on paper, "Landscape," by Ralph Rosenberg; estimated value	400 00
424. Miss Juliette Dean, Manteno, Illinois: four drawings, pencil on paper, untitled; estimated value.....	200 00
425. Ford Foundation, New York, New York: a painting, "Standing Nude Female," by Raphael Soyer; estimated value.....	5 000 00

426.	Mr. George J. Goldstein, Chicago: a painting, "Portrait of a Gentleman," by Gerard Honthorst; estimated value	4 700 00
427.	Mr. W. B. Greene, Barber-Greene Company, Aurora: a bronze study for <i>Penelope</i> , by Antoine Boudelle; estimated value.....	2 250 00
428.	Dr. Karl A. Meyer, Chicago, prints and lithographs; estimated value	4 500 00
429.	Mr. Morrie A. Moss, Memphis, Tennessee, paintings: "Portrait of Thomas Cobb," by John Hoppner; estimated value	13 500 00
	"Portrait of Lady Frances Douglas"; estimated value.....	15 000 00
	"Love or Money," by Cornelis van Haarlen; estimated value	12 000 00
	"Holy Family," by Frans Floris; estimated value	12 000 00
	"Seascape," by Aelbert Cuyp; estimated value.....	18 000 00
430.	National Academy of Design, New York, New York: Painting, "Valley in New England," by W. S. Haseltine; estimated value.....	250 00
	Water color, "Sorrento," by K. Cox; estimated value.....	150 00
431.	Mrs. Helen Norcross, Provincetown, Massachusetts: a painting, "Conversation Piece," by Victor Candell; estimated value	800 00
432.	Miss Collete Roberts, Grand Central Moderns Gallery, New York, New York: a painting, "Cathedral in the Woods," by Jennette Lam; estimated value.....	700 00
433.	Mr. Herman Spertus, Glencoe, a painting by Albert Bloch; estimated value	4 000 00
434.	Allen Tucker Memorial, a painting, "Incoming Fog," by Allen Tucker; estimated value.....	1 200 00
<i>Total, Miscellaneous Gifts of Equipment and Works of Art</i>		\$ 341 608 80
<i>Total, Colleges and Schools at Urbana-Champaign</i>		\$22 554 902 12

Colleges at the Medical Center

Scholarships, Prizes, and Other Financial Aids

435.	American Foundation for Pharmaceutical Education: two scholarships in pharmacy.....	\$ 400 00
436.	Avalon Foundation: scholarships in medicine.....	26 000 00
437.	Miss Bertha Berkelhamer, Chicago: annual Dr. Ralph C. Berkelhamer Scholarship	100 00
438.	Warren H. Cole Society: scholarship for a freshman student in medicine.....	500 00
439.	Ford Hopkins Drug Company: scholarship in pharmacy....	200 00
440.	Goldenrod Ice Cream Company, Chicago: two scholarships in pharmacy	400 00
441.	Humiston-Keeling and Company, Chicago: two scholarships in pharmacy	400 00
442.	Illinois Federation of Women's Clubs, Chicago: scholarships in occupational therapy.....	600 00
443.	Lag Drug Company: scholarship in pharmacy.....	300 00
444.	Estate of the late Dr. David Mortimer Olkon, an alumnus and former member of the faculty of the College of Medicine: endowment of annual scholarships to outstanding senior medical students in neurology and psychiatry (this bequest was reported to the Board of Trustees on March 17, 1962)	6 000 00
445.	Osco Drug Company, Inc.: scholarships in pharmacy.....	800 00
446.	Photo Service, Inc., Des Plaines: two scholarships in pharmacy (\$300 each).....	600 00

447. Sargent's Drug Stores: scholarship in pharmacy.....	200 00
448. Stineway Drug Company: scholarship in pharmacy.....	200 00
449. Julius M. Thomas, Weber Pharmacy, Chicago: to renew the J. M. and E. M. Thomas Scholarship in pharmacy.....	266 67
450. Women's Auxiliary at the Medical Center: scholarships in dentistry, medicine, nursing, and pharmacy.....	1 000 00
451. Woman's Organization of the Chicago Retail Druggists' Association: scholarship in pharmacy.....	250 00
452. Block Drug Company, Jersey City, New Jersey: an award in an essay competition for seniors in dentistry.....	200 00
453. Midwest Oral Rehabilitation Study Group, Chicago: an award to a graduating student who is outstanding in a particular phase of clinical dentistry.....	25 00
454. Dr. Stanley D. Tylman, Professor Emeritus, College of Dentistry: annual \$100 awards to dental students.....	1 000 00
455. Dr. Edward C. Wach, Associate Professor Emeritus, College of Dentistry: to establish an endowment fund, the income to provide cash prizes to fourth-year students in dentistry who are successful in a thesis competition.....	3 000 00
456. Various donors: to purchase furnishings for a student lounge in the East Dentistry-Medicine-Pharmacy Building..	643 53
College of Pharmacy Student Council.....\$	500 00
College of Pharmacy Class of 1959.....	100 00
College of Pharmacy Class of 1961.....	43 53
457. American Dental Association: loans for dental students....	3 433 50
458. Merck Company Foundation, Rahway, New Jersey: the George W. Merck Memorial Loan Fund to provide loans for interns and residents in medicine.....	4 000 00
459. Women's Auxiliary at the Medical Center: long-term student loans	2 000 00
<i>Total, Scholarships, Prizes, and Other Financial Aids..\$</i>	<u>52 518 70</u>

Funds for Fellowships and Research

460. Evanston Drama Club: fellowships in orthopaedic surgery.....\$	1 000 00
461. Samuel Higby Camp Foundation: visiting professorship in orthopaedic surgery	1 000 00
462. National Hemophilia Foundation: summer fellowships.....	600 00
	(2 600 00)
463. Abbott Laboratories, North Chicago.....	10 500 00
To the Department of Chemistry, College of Pharmacy, for research.....\$	500 00
To the Department of Pediatrics for a study of the isolation and chemical identification of platelet stimulating factor	3 500 00
To the Department of Surgery to test various protein fractions of sheep and bovine serum for effect on tumor growth.....	4 000 00
To the Department of Dermatology for a study to determine the antipruritic value of homochlorcyclizine.....	500 00
To the Department of Pharmacology, College of Medicine, for a study on preparation of antibodies for production of passive immunity and to test various protein fractions of sheep and bovine serum for effect on tumor growth.....	2 000 00
464. American Academy of Pediatrics, Evanston: to the Department of Pediatrics for a study of the isolation and purification of plasma factors involved in stimulation and inhibition of thrombopoiesis.....	3 725 00
465. American Association of Anatomists: an endowment fund, the income to be used for a seminar in anatomy.....	1 220 68

466. American Cancer Society, Inc., New York, New York: to the College of Medicine.....	156 636 55
Department of Biological Chemistry for a study of the separation of enzymes from normal and pathological serum using cellulose ion ex-changers	\$22 821 00
Department of Biological Chemistry for a study of the specificity of glycolytic pathway enzymes..	18 421 00
Department of Obstetrics and Gynecology for a study of the experimental dysplasia of the uterine cervix.....	7 757 00
Department of Pathology for a study of the immunity of mice of inbred strains to isologous tumors induced by F ₁ tumors.....	11 972 00
Department of Pathology for a study of phagocytosis of herologous red cells in mice and rats with transplanted tumors.....	5 690 00
Department of Physiology for a study of the permeability of mitochondria.....	10 753 05
Department of Radiology for a study of tempera-ture and oxygen effects on irradiated animals....	13 949 50
Department of Surgery for a study of the effect of radio-frequency energy in the resistance of animals to cancer.....	14 134 00
Department of Surgery for an investigation of cellular damage observed in human tumors treated in tissue culture with anticancer compounds.....	25 139 00
Department of Surgery for research (unre-stricted)	26 000 00
467. American Cyanamid Company, Lederle Laboratories Division, Pearl River, New York: to the Department of Medicine (\$9,400) and to the Department of Preventive Medicine (\$600) for an investigation of infectious diseases and related fields.....	10 000 00
468. American Dental Association: to the Department of Applied Materia Medica and Therapeutics for a study on local anesthesia	1 000 00
469. American Heart Association: to the College of Medicine... Department of Medicine for investigations on the kidney in health and disease.....	4 500 00
Office of Research in Medical Education.....	\$1 000 00
470. American Medical Association Education Research Founda-tion: to the College of Medicine for research.....	3 500 00
471. American Rheumatism Association Committee on Coopera-tive Clinics, New York University: to the Department of Medicine for a variability study.....	54 478 28
472. Arthritis and Rheumatism Foundation: to the College of Medicine.....	1 700 00
Department of Medicine for a study of the effect of different environmental conditions and pharma-cologic agents on the vascular responses in the digits in rheumatoid arthritis.....	1 345 00
Department of Pediatrics for a study of gout in infancy.....	\$1 095 00
473. Asthmatic Children's Aid, Chicago: to the Department of Medicine for studies of factors which influence the develop-ment of bronchial asthma.....	250 00
474. Chicago Dysautonomia Society, Inc., Chicago: to the De-partment of Pharmacognosy and Pharmacology, College of Pharmacy, for a study on acetylcholine metabolism and dysautonomia	13 400 00
	1 106 00

475. Chicago Heart Association: to the College of Medicine....	21 852 84
Department of Medicine for a study of hepatic and myocardial factors in the production of digitalis toxicity	\$6 759 00
Department of Pediatrics for studies on the coagulation mechanism in extra-corporeal circulation....	2 883 84
Department of Preventive Medicine for a study of the biochemical, medical, and psychological parameters of the acute pressor response in hypertensive subjects	6 622 00
Department of Surgery for a study of the dacron outflow tract for right ventricle.....	5 588 00
476. Children's Research Foundation, Chicago: to the Department of Psychiatry for research in Tay-Sachs disease.....	600 00
477. Clairol Incorporated Research Laboratories: to the Department of Dermatology for a study of time-concentration relationship in eczematous allergic reactions.....	3 500 00
478. Deerfield Area United Fund, Inc., Deerfield: to the Department of Surgery to add to the Deerfield-Bannockburn Fund for cancer research.....	928 95
479. Dr. Ward H. Eastman, Peoria: to the Department of Surgery for the Ward Eastman and James Hurlbut Gift Fund for cancer research.....	100 00
480. Eureka United Fund: to the Department of Surgery for cardiovascular research	500 00
481. Employees of the Federal Reserve Bank of Chicago: to the Department of Preventive Medicine for research related to polio care.....	1 000 00
482. Marlin D. Fisher, Stronghurst: to the Department of Surgery for the Clarence Hartquist Cancer Research Fund....	403 00
483. Geigy Pharmaceuticals, Yonkers, New York: to the Department of Medicine for research on the treatment of hypertension.....	3 000 00
484. Illinois Federation of Women's Clubs, Chicago: to the Department of Surgery for cancer research.....	1 000 00
485. Ivy Cancer Research Foundation, Chicago: for cancer research.....	7 005 00
486. Jeanette M. Johnson, Fort Lauderdale, Florida: to the Department of Surgery for the Clarence Hartquist Cancer Research Fund	10 00
487. Kidney Disease Foundation of Illinois, Chicago: to the Department of Medicine for a study of renal lesions induced by heterologous insulin; an example of foreign protein nephritis.....	3 750 00
488. Leukemia Research Foundation: to the College of Medicine Department of Biological Chemistry for a study of the biosynthesis of plasma glycoproteins.....	13 500 00
Department of Pediatrics for a study on platelet stimulating factor in leukemia.....	\$8 000 00
489. Leukemia Society, Inc.: to the Department of Pediatrics for a study on the effect of human platelet stimulating factor in marros aplasia	5 500 00
490. Mrs. Polly Levee, Philadelphia, Pennsylvania: to the Department of Surgery for cancer research.....	2 840 00
491. Nathan Manilow Foundation, Chicago: to the Department of Otolaryngology, College of Medicine, for research.....	2 500 00
492. Markle Foundation: to the Department of Psychiatry for research.....	15 000 00
493. Dr. George Matula, Chicago: to the Department of Biochemistry, College of Medicine, for an endowment fund, income to be used for research in oral biochemistry.....	6 000 00
494. Mead Johnson and Company: to the Department of Pediatrics for a study of prophylaxis of anemia of prematurity..	11 776 00
	6 000 00

495. Merck, Sharp, and Dohme Research Laboratories, West Point, Pennsylvania: to the College of Medicine.....	10 000 00
Department of Medicine for a study of expansion and completion of studies on "Decadron" inhalation acrosals	\$5 000 00
Department of Preventive Medicine for a study of the effect of therapeutic agents on some perceptual and psychometric tests in man.....	5 000 00
496. National Association for Mental Health, New York, New York: to the Department of Psychiatry.....	9 500 00
For a study of the synthesis and breakdown of proteins, nucleic acids, etc., in neurons and glia in culture	\$5 000 00
For research in schizophrenia.....	4 500 00
497. The National Foundation: to the Department of Preventive Medicine for the Respiratory Center.....	35 000 00
498. National Fund for Medical Education: to the College of Medicine for research.....	4 590 00
499. George S. Oberne, Chicago: to the Department of Surgery for the Alva M. Oberne Cancer Research Fund.....	50 00
500. Pfizer Laboratories: to the Department of Anatomy for a study of experimental acute pancreatitis.....	700 00
501. Prospect Heights' Annual Appeal: to the Department of Surgery for cancer research.....	1 443 74
502. Riker Laboratories: to the Department of Neurology and Neurological Surgery for a study of anticonvulsant properties in drugs.....	4 600 00
503. Roanoke Area United Funds Appeal, Roanoke: to the Department of Surgery for cancer research (\$466.99) and for heart research (\$280.19).....	747 18
504. Ross Laboratories, Columbus, Ohio: to the Department of Pediatrics for a study of hematopoiesis in early infancy.....	10 000 00
505. Sandoz Pharmaceuticals, Hanover, New Jersey: to the College of Medicine.....	22 500 00
Department of Medicine for a study of chemical mediators.....	\$ 2 500 00
Department of Preventive Medicine for a study of hypertension and headache mechanisms.....	10 000 00
Department of Preventive Medicine for a study of newer methods of evaluating analgesic agents in man	10 000 00
506. Schering Corporation: to the Department of Medicine for research.....	5 000 00
507. G. D. Searle and Company, Chicago: to the Department of Medicine for a study of the treatment of hypertension with diuretics and aldactone.....	3 000 00
508. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: to the Department of Medicine for research on antiviral chemotherapy	14 818 60
509. E. R. Squibb and Company: to the Department of Medicine for a clinical study of anti-hypertensive drugs.....	1 000 00
510. Teagle Foundation, Inc., New York, New York: to the Department of Psychiatry for paralysis agitans research....	8 000 00
511. Tuberculosis Institute of Chicago and Cook County: to the Department of Microbiology for a laboratory investigation into the possible synergistic relation between penicillin and isoniazid against the tubercle bacillus.....	2 300 00
512. University of Chicago: to the Department of Medical Social Service for research.....	8 681 15
513. Various donors: to the Department of Fixed Partial Prosthodontics, College of Dentistry, for the Mary Lloyd Somatic Prosthesis Fund.....	175 00

514. Various donors: to the Department of Preventive Medicine to the Arthur S. Littlefield Memorial Fund for pulmonary studies	99 00
515. Various donors: to the Department of Surgery for the Bristow Cancer Research Fund in memory of the late Chief Justice George W. Bristow of the Supreme Court of Illinois	1 448 00
516. Warner-Lambert Pharmaceutical Company: to the Department of Preventive Medicine for a study of the treatment of diarrhea	10 510 00
	(515 039 97)
<i>Total, Funds for Fellowships and Research.....</i>	<i>\$ 517 639 97</i>

Funds for Educational and Research Programs

517. American Cancer Society, Illinois Division: to the Tumor Clinic Cancer Registry for clerical salaries and office supplies	\$ 5 000 00
518. Chicago Dental Assistants Association, Evanston: an unrestricted gift to the College of Dentistry.....	25 00
519. The Commonwealth Fund, New York, New York: to the College of Medicine for a study and evaluation of medical education.....	64 000 00
520. Fund for Dental Education, Chicago: to the Department of Pedodontics, College of Dentistry, for the publication of proceedings of the conference on the teaching of manual skills.....	1 500 00
521. W. K. Kellogg Foundation, Battle Creek, Michigan: for the teacher education program in the College of Dentistry..	35 091 00
522. Mead Johnson and Company: to establish a Pediatric Residents' Education Fund.....	500 00
523. National Fund for Medical Education: to the College of Medicine for instructional grants.....	62 755 00
524. Dr. Anthony J. J. Rourke: to the College of Medicine for its educational program.....	100 00
525. Various donors: to the Division of Services for Crippled Children	51 992 04
526. Various donors: to the Department of Dermatology..... Mr. Alvin K. Anderson, Chicago Dr. Carl Herzog, Duke Laboratories, Inc., South Norwalk, Connecticut	550 00
527. Various donors: to the Department of Medicine..... Snoot Boot Enterprises, Busey Hall, Urbana Campus Delavan Community Chest, Delavan Princeville Community Council Fund Drive Charles Kulosky, Chicago, in memory of Martin Kulosky In memory of Landon B. Stableford	1 969 08
528. Various donors: to the Department of Neurology and Neurological Surgery	40 00
Mr. and Mrs. L. F. Annable, Western Springs, in memory of Mr. Samuel Soll Marilyn and Jacques Beardsley, Chicago; Paul F. Bovyn, Glenview; and Lily and Roy Campbell, Ontario, Canada; in memory of Ronald Johns	
529. Various donors: to the Department of Occupational Therapy Dames Club First Congregational Church, Oak Park Hinsdale Sewing Group Mrs. Virginia Meehan, Country Club Hills National Doll Collector's Club, Chicago Rogers Park Woman's Club, Chicago Women's Auxiliary at the Medical Center	500 38

530.	Various donors: to the Department of Orthodontics, College of Dentistry, for the "Special Alumni Fund".....	1 600 00
	Dr. M. P. Breidt, Patterson, New Jersey	
	Dr. Silas J. Kloehn, Appleton, Wisconsin	
	Dr. John S. Kloehn, Appleton, Wisconsin	
	Dr. Arthur B. Lewis, Dayton, Ohio	
	University of Illinois Dental Alumni Society of Ohio	
	Dr. Joseph J. Schachter, Saskatoon, Saskatchewan, Canada	
	Dr. Henry A. Sturman, Hartford, Connecticut	
531.	Various donors: to the Department of Orthopaedic Surgery	1 912 14
	American Limb and Orthopedic Company, Chicago	
	Representative George W. Dunne, Chicago	
	Kappa Alpha Theta Sorority, Evanston	
	New York University	
	Mr. and Mrs. Richard P. Thornton, Glen Ellyn	
	Women of the Rotary Club, Chicago	
532.	Various donors: to the Department of Otolaryngology.....	2 180 00
	Mrs. Gerald Abramovitz, Chicago	
	Beltone Institute for Hearing Research	
	Dr. E. L. Chainski, Lake Forest	
	Dr. F. L. Lederer and Mrs. Lederer	
	Mrs. H. Meilleur, Lansing	
	Mrs. Harry Sager, Highland Park	
	Mrs. Wendel A. Witkay	
533.	Various donors: to the Department of Pediatrics.....	801 00
	Mr. and Mrs. Donald Brown, Mundelein	
	Mr. Lawrence J. Droghetti, Chicago	
	Gould National Batteries, Kankakee	
	Hearth and Garden Club, Austin Woman's Club	
	LaSalle Steel Foundation, Inc., Chicago	
	Mrs. Jac C. Ridinger, in memory of Johnny Kniskern	
	Mrs. C. C. Sberna, Mundelein	
	Various donors, in memory of Scott Lindeman	
	Mr. and Mrs. M. R. Whitaker, Mundelein	
	Mr. and Mrs. Melvin Young, Kankakee	
534.	Various donors: to the Department of Surgery.....	1 584 75
	Aid United Givers	
	Harold C. Alford, Lockport	
	Mr. and Mrs. L. F. Annable	
	Mr. and Mrs. Wayne Bernhardt	
	Harold Cohn, Alfred Lloyd Corporation, in memory of Mrs. Sally Wolin	
	William DeFotis, Chicago	
	Mr. and Mrs. Sydney Galvin, Shaker Heights, Ohio, in memory of Ira Pink	
	Dr. Claude L. Geyer	
	Mr. and Mrs. Russell Gleasons, Chicago	
	Mrs. Rose Glick, in memory of Mrs. Sally Wolin	
	Emery E. Klineman, New Jersey, in memory of Ira Pink	
	Montgomery Ward and Company, Chicago	
	Dr. R. G. Mrazek, Berwyn	
	Gilbert P. O'Connor, Oak Park	
	Herbert Pallat, Chicago	
	Mr. and Mrs. Peterson, Maywood	
	Mr. and Mrs. V. A. Sondergaard, Dwight	
	Dr. William Requarth, Decatur	
	Mrs. Michael Slepkin, Chicago	
	Kermit A. Slobb, American Broadcasting Company, Chicago, in memory of Byron Speirs	
	Various donors, in memory of April Legette	
535.	Watson Gailey Eye Foundation, Bloomington: to the Department of Ophthalmology, for a resident-training program	1 000 00
<i>Total, Funds for Educational and Research Programs..\$</i>		<u>233 100 39</u>

Federal Grants for Buildings and Other Facilities

536. Public Health Service: for Medical Research Laboratory..\$ 37 500 00

United States Government Grants and Research Contracts

537. Air Force\$ 2 054 12
 538. Agency for International Development..... 19 743 79
 539. Army Chemical Corps..... 40 085 00
 540. Army Surgeon General..... 138 384 44
 541. Atomic Energy Commission..... 6 750 00
 542. National Science Foundation..... 46 311 44
 543. Office of Naval Research..... 28 158 17
 544. Office of Vocational Rehabilitation..... 6 748 18
 545. Public Health Service..... 2 676 095 22

Total, Funds for Educational and Research Programs..\$ 2 964 330 36

Research and Public Service Contracts with State of Illinois Agencies

546. State Department of Mental Health.....\$ 126 895 73
 Psychosomatic differentiation in infancy.....\$53 607 90
 Relation of neural metabolism to function..... 22 273 28
 Psychological factors in psychosomatic disease of
 children 2 036 68
 Tissue culture of neurons..... 44 946 90
 The role of the proteins of the brain in normal
 and abnormal brain function..... 4 030 97

*Total, Research and Public Service Contracts with
 State of Illinois Agencies.....\$ 126 895 73*

Gifts of Equipment and Library Materials

547. McArdle, Harrington, & McLaughlin, Pittsburgh, Pennsylv-
 ania: a six-volume edition titled "Brief for the Appellant
 in the United States Court of Appeals for the Third Circuit
 No. 13267, Fritchard, Otto E., versus Liggett and Myers
 Tobacco Company"; estimated value..... 250 00
 548. Dr. N. B. Roberg: to the Department of Medicine, an air
 conditioner; estimated value..... 271 00
 549. Mrs. Ida Mae Schroeder, Chicago:
 To the Department of Orthopedics, a Hoyer lifter; estimated
 value..... 150 00
 To the Department of Physical Medicine and Rehabilitation,
 an American electric wheelchair with Blitz battery charger;
 estimated value 500 00
 550. Royal Metal Furniture Company; to the Business Office,
 two chairs; estimated value..... 36 00

Total, Gifts of Equipment and Library Materials.....\$ 1 207 00

Total, Colleges at the Medical Center.....\$ 3 933 192 15

Chicago Undergraduate Division

551. Foundry Educational Foundation, Cleveland, Ohio.....\$ 2 150 00
 Scholarships in engineering.....\$1 400 00
 Unrestricted grant in engineering..... 750 00
 552. Professor O. L. Railsback, an endowment fund of scholar-
 ships in physics..... 1 000 00
 553. National Science Foundation..... 3 059 53
 Gifts to the Illini Union:
 554. Anonymous donor, one Hi-Fi Motorola..... 738 60
 555. Mr. Titus Haffa, Chicago, a Webcor stereo AM-FM radio-
 phonograph 400 00
 556. Vice-President Norman A. Parker, Chicago: one portable
 color television set, with antenna..... 700 00

Total, Chicago Undergraduate Division.....\$ 8 048 13

Gifts to the University of Illinois Foundation

557. Envelope Fund Projects (formerly Illini Achievement
 Fund).....\$ 184 723 07

558. Other Gifts for Current Purposes.....	95 734 77
559. Endowment Funds	94 836 65
560. Funds for Physical Plant Purposes.....	177 525 51
<i>Total, Gifts to the University of Illinois Foundation....</i>	<i>\$ 552 820 00</i>

Summary

Funds from Private Donors

To the University	
For Urbana-Champaign	\$ 3 972 889 28
For Chicago Colleges and Divisions.....	809 454 66
	(4 782 343 94)
To the University of Illinois Foundation.....	552 820 00
<i>Total</i>	<i>\$ 5 335 163 94</i>

Funds from United States Government

Total for Urbana-Champaign (including \$250,000 from National Defense Education Act for student loan programs for all campuses).....	\$17 895 115 53
Total for Chicago Colleges and Divisions.....	3 004 889 89
<i>Total</i>	<i>\$20 900 005 42</i>

Funds from Contracts with State of Illinois Agencies

Total for Urbana-Champaign.....	\$ 686 897 31
Total for Chicago Colleges and Divisions.....	126 895 73
<i>Total</i>	<i>\$ 813 793 04</i>
<i>Grand Total</i>	<i>\$27 048 962 40</i>

This report was received for record.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, cancellations, declinations, and terminations; leaves of absence; changes in sabbatical leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

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

- AARONSON, DONALD W., Clinical Assistant in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- ABBOTT, BERNARD C., Professor of Physiology and Biophysics, indefinite tenure from September 1, 1962, to render service during each academic year, \$15,000 a year, supersedes (11-12-62).
- ADAMS, JAMES M., Assistant in the Institute of Aviation (Flight), October 22, 1962-June 15, 1963, \$450 a month (10-26-62).
- ANDERSON, ERNEST G., Visiting Professor of Genetics (Agronomy) (S), ½ time, one month from September 1, 1962, \$500 (10-31-62).
- ARCHIBALD, KATHLEEN, Research Associate in the Institute of Communications Research, ½ time, six months from October 1, 1962, \$2,000 (10-31-62).
- ARIAS, BELISARIO A., Assistant in Neurology and Neurological Surgery (Medicine), one year from July 1, 1962, without salary (11-8-62).
- AUKES, LEWIS E., Research Assistant in the Office of Instructional Research (Provost's Office), one year from September 1, 1962, \$7,500 (10-30-62).
- BAKER, MARJORIE G., Assistant in Nursing, eleven months from October 1, 1962, \$6,000 a year (10-23-62).
- BARTEL, DONALD L., Assistant in General Engineering (C), February 1-June 15, 1963, \$2,050 (11-20-62).
- BASS, ALAN R., Research Associate in Psychology, ½ time, September 16, 1962-January 31, 1963, \$300 a month (10-23-62).
- BATEMAN, PAUL T., Professor of Mathematics and Associate Head of the Department, indefinite tenure from October 1, 1962, to render service during each academic year, \$16,000 a year, supersedes (11-15-62).

- BEDFORD, NORTON M., Professor of Accountancy, indefinite tenure from September 1, 1962, to render service during each academic year, \$17,000 a year, supersedes (10-29-62).
- BENNETT, MRS. SARA A., Research Assistant in the Coordinated Science Laboratory (C), seven months from February 1, 1963, \$500 a month (12-5-62).
- BERCHTOLD, MAX, Research Associate in Dairy Science (S), October 18, 1962-August 31, 1963, \$6,600 a year (11-8-62).
- BERESKIN, BEN, Research Associate in Dairy Science (S), October 16, 1962-August 31, 1963, \$6,850 a year (11-8-62).
- BLEVINS, MRS. MARCIA J., Reference Assistant in the Library, nine months from December 1, 1962, \$5,500 a year, supersedes (11-16-62).
- BOGDONOFF, DIANA R., Assistant in Dermatology (Medicine), one year from July 1, 1962, without salary (11-12-62).
- BOROWITZ, GENE H., Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, \$13,000 a year, supersedes (10-24-62).
- BOXER, ROBERT W., Clinical Instructor in Medicine (Medicine), ten months from November 1, 1962, without salary (11-27-62).
- BOYCE, RONALD R., Assistant Professor in the Bureau of Community Planning (College of Fine and Applied Arts), $\frac{3}{4}$ time, and of Geography (College of Liberal Arts and Sciences), $\frac{1}{4}$ time, one year from September 1, 1962, \$9,800, supersedes (11-13-62).
- BROSEMER, RONALD W., Instructor in Biochemistry, academic year beginning September 1, 1962, \$7,000 (10-23-62).
- BUTLER, MRS. BARBARA D., Research Assistant in Physiology and Biophysics, November 1, 1962-June 15, 1963, \$450 a month, supersedes nonacademic appointment (11-8-62).
- BUTLER, (MR.) BEVERLY J., Assistant Professor of Agricultural Engineering (C and S), November 16, 1962-August 31, 1963, \$9,900 a year, supersedes (11-28-62).
- BUZDYGAN, DANUTA U., Instructor in Pediatrics (Medicine) and in Cleft Palate Center (Dentistry), 72/100 time, one year from September 1, 1962, \$5,200, supersedes (10-23-62).
- CARLSTON, JOHN A., Clinical Instructor in Medicine (Medicine), one year from September 1, 1962, without salary (11-16-62).
- CARSON, RALPH S., Research Associate in Electrical Engineering (S), nine months from December 1, 1962, \$6,500 a year, supersedes (11-30-62).
- CICENAS, ZINNIA, Assistant Chief Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), October 22, 1962-August 31, 1963, \$8,000 a year (10-31-62).
- CIZOWSKI, RAYMOND, Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), nine months from December 1, 1962, \$7,000 a year, supersedes (11-15-62).
- CRANK, FLOYD L., Associate Professor of Education, academic year beginning September 1, 1962, \$8,950; and Associate Professor of Business Education and of Education, indefinite tenure from September 1, 1963, to render service during each academic year, \$8,700 a year, supersedes (11-13-62).
- CRUMLISH, BRIAN J., Research Associate in the Small Homes Council-Building Research Council, two months from October 16, 1962, \$1,000 a month (10-31-62).
- CUTLER, DOUGLAS, Research Associate in Metallurgy (C), October 25, 1962-August 31, 1963, \$8,000 a year, supersedes (10-31-62).
- DIAMOND, SYDNEY A., Assistant in Dermatology (Medicine), one year from July 1, 1962, without salary (11-8-62).
- DONDANVILLE, LOUIS E., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- DOUGHERTY, NORRIS R., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (10-23-62).
- DRAKE, DARRELL M., Research Associate in Physics (C), January 16-August 31, 1963, \$8,000 a year (12-5-62).
- DUCKWALL, JAMES W., Research Associate in the Statistical Service Unit (Provost's Office), nine months from December 1, 1962, \$9,000 a year (11-13-62).
- ELMORE, RODNEY D., Research Assistant in Electrical Engineering (S), ten months from November 1, 1962, \$5,200 a year, supersedes (11-16-62).

- ERICHSEN, ALVIN W., Research Associate in Plant Breeding (Agronomy) (S), ten months from November 1, 1962, \$6,500 a year (11-16-62).
- FERNANDEZ, ADOLFO A., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- FETROW, KENNETH O., Clinical Instructor in Orthopaedic Surgery (Medicine), eleven months from October 1, 1962, without salary (10-23-62).
- FISCHER-WYBREGT, SUSANNA H., Research Associate in Pediatrics (Medicine), one year from September 1, 1962, \$6,640 (10-29-62).
- FLENNER, ROSS H., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, \$5,000, supersedes (10-29-62).
- FOGEL, JEROLD S., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), October 29, 1962-August 31, 1963, \$7,500 a year (11-12-62).
- FRAENKEL, GOTTFRIED S., Professor of Entomology and Associate Member of the Center for Advanced Study (College of Liberal Arts and Sciences, Graduate College), one year from September 1, 1962, \$17,700; and from September 1, 1963, indefinite tenure, to render service during each academic year, \$14,500 a year, supersedes (10-24-62).
- FREUND, ERIC C., Research Associate in the Bureau of Community Planning, eleven months from October 1, 1962, \$7,700 a year; on leave of absence, without pay, from October 22, 1962, through December 31, 1962 (11-9-62).
- GARCIA-MOLINER, CARMEN, Research Associate in Microbiology, $\frac{1}{2}$ time, ten months from November 1, 1962, \$2,438 (11-12-62).
- GOULD, ORRIN E., Assistant Professor of Education, $\frac{3}{4}$ time, academic year beginning September 1, 1962, \$6,263; on leave of absence, $\frac{1}{4}$ time, academic year 1962-63, without pay, supersedes (11-13-62).
- GRAY, PETER V., Research Associate in Electrical Engineering (S), eleven months from October 1, 1962, \$8,000 a year, supersedes (11-12-62).
- GREENE, PAUL C., Professor of Psychology, indefinite tenure, and Administrative Assistant in the Office of the Vice-President (Chicago Undergraduate Division), ten months from November 1, 1962, \$14,200 a year, supersedes (12-5-62).
- HALL, MARGOT L., Assistant in Education, September 16, 1962-January 31, 1963, \$2,000 (11-8-62).
- HANSON, MRS. DOLORES M., Assistant Editor in the Office of Public Information, $\frac{1}{2}$ time, ten months from November 1, 1962, \$3,000 a year (11-9-62).
- HARRIS, MRS. BRIGITA, Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), October 22, 1962-August 31, 1963, \$5,700 a year (11-8-62).
- HENEBRY, WILLIAM F., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-20-62).
- HIKI, YOSIO, Research Associate in Physical Metallurgy (C), November 20, 1962-August 31, 1963, \$8,200 a year, supersedes (12-5-62).
- HUBBARD, JOHN L., JR., Assistant in Neurology and Neurological Surgery (Medicine), six months from January 1, 1963, without salary (11-20-62).
- JOHNSON, A. BEAUMONT, II, Clinical Associate in Neurological Surgery (Medicine), $\frac{1}{4}$ time, one year from September 1, 1962, \$1,800 (11-8-62).
- JOHNSON, OLAF K., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (11-16-62).
- JOHNSTON, SU A. K., Assistant Extension Editor, with rank of Assistant in Agriculture (S and E), ten months from November 1, 1962, \$5,000 a year, supersedes (11-1-62).
- JORDAN, DAVID M., Assistant Professor of Psychiatry (Medicine), one year from September 1, 1962, without salary (12-5-62).
- KAMARA, ALLIEU, Research Assistant in Preventive Medicine (Medicine), September 24, 1962-August 31, 1963, \$5,400 (11-8-62).
- KING, IVAN R., Associate Professor of Astronomy, indefinite tenure from September 1, 1962, \$10,000 a year for services rendered during each academic year; on sabbatical leave of absence from September 1, 1962, through February 28, 1963, on full pay, and from March 1 through August 31, 1963, salary to be paid from National Science Foundation Grant, U.S. NSF G-22005 (46-32-10-354); supersedes (11-8-62).

- KINSTLE, THOMAS H., Research Associate in Chemistry, nine months from December 1, 1962, \$6,500 a year (12-5-62).
- KIRK, EDWARD S., Instructor in Physiology and Biophysics, to render service during the second semester of the academic year, March 1-August 31, 1963, \$3,875 (10-31-62).
- KORN, ROY J., Associate Professor of Medicine, at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for two years from November 18, 1962, \$20,000 a year; and Associate Professor of Medicine (Medicine), indefinite tenure from November 18, 1964, without salary, supersedes his nonsalaried appointment (11-16-62).
- KORNACKER, MILDRED, Instructor in Sociology (Chicago Undergraduate Division), $\frac{2}{3}$ time, academic year beginning September 1, 1962, \$3,867, supersedes (11-13-62).
- KOSMAN, MARY E., Research Associate in Psychiatry (Medicine), ten months from November 1, 1962, \$7,000 a year (11-16-62).
- KOSOVA, LEONARD A., Clinical Assistant in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- KRAUSS, DIETLINDE E., Research Associate in Chemistry, five months from April 1, 1963, \$487.50 a month (12-5-62).
- KYSAR, JOHN E., Instructor in Hygiene and Assistant Director of the Health Service (Chicago Undergraduate Division), $\frac{1}{2}$ time, academic year beginning September 1, 1962, \$7,000, supersedes (10-29-62).
- LAFONT, MRS. FRANCES M., Assistant in Home Economics (C and S), academic year beginning September 1, 1962, \$5,200, supersedes (8-29-62).
- LAVERY, JAMES C., Soil Salinity and Soil Management Specialist in the International Cooperation Programs, November 10, 1962-November 9, 1964, \$9,020 a year for service under Contract ICAC-1453 in Region I, Agra, U.P., India, supersedes (11-6-62).
- LEVINE, MRS. MYRA E., Assistant in Nursing, nine months from September 16, 1962, \$5,500, supersedes (11-8-62).
- LINDERHOLM, CARL E., Instructor in Mathematics, to render service during the second semester of the academic year, March 1-August 31, 1963, \$7,000 a year (11-13-62).
- MAIRINGER, FRANZ, Research Associate in Chemistry, $\frac{1}{2}$ time, six months from December 1, 1962, \$1,596 (12-5-62).
- MARSHALL, BRUCE E., Research Assistant in Chemistry, November 26, 1962-August 31, 1963, \$6,300 a year (11-13-62).
- MAUTZ, ROBERT K., Professor of Accountancy, indefinite tenure from September 1, 1962, to render service during each academic year, \$17,500 a year, supersedes (10-29-62).
- MEUX, MILTON O., Research Assistant Professor in the Bureau of Educational Research, one year from September 1, 1962, \$10,000, supersedes (11-12-62).
- MILLER, ARNOLD L., Assistant Professor of Psychology, $\frac{1}{3}$ time, academic year from September 1, 1962, \$2,800, supersedes (11-8-62).
- MILLER, RAYMOND N., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-20-62).
- MOFFAT, JEAN E., Research Assistant in Medicine (Medicine), nine months from December 1, 1962, \$4,900 a year (11-20-62).
- MOLNAR, JANOS, Research Associate in Biological Chemistry (Medicine), eight months from January 1, 1963, \$8,000 a year (11-16-62).
- MONIN, MAX, Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (10-23-62).
- MOODY, BYRON A., Research Assistant in Dairy Science (S), October 15, 1962-August 31, 1963, \$5,000 a year (11-15-62).
- NAKAMURA, KANAME, Research Assistant in Biological Chemistry (Medicine), November 10, 1962-August 31, 1963, \$4,900 a year (11-16-62).
- NEDELSKY, LEO, Research Associate in Teacher Education (Dentistry), $\frac{1}{4}$ time, ten months from November 1, 1962, \$3,750 a year, supersedes (11-16-62).
- NELSON, PATRICIA A., Program Director, Illini Union (Chicago Undergraduate Division), eight months from January 1, 1963, \$4,800 (12-5-62).
- NIELSEN, JOHN L., Professor of Naval Science and Head of the Department, indefinite tenure from September 1, 1962, without salary, supersedes (11-1-62).

- PAP, LUCIA T. F., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (11-16-62).
- PAUL, M., Visiting Research Associate in the Digital Computer Laboratory, two months from February 1, 1963, \$800 a month (10-29-62).
- PETERSON, HELEN C., Research Associate in the Bureau of Economic and Business Research, $\frac{1}{2}$ time, October 16, 1962-August 31, 1963, \$2,925 a year (10-31-62).
- PICHLER, HANNS, Instructor in the Graduate School of Business Administration (College of Commerce and Business Administration), $\frac{1}{2}$ time, nine months from October 1, 1962, \$3,000 a year (10-31-62).
- PIEPER, WILLIAM J., Clinical Instructor in Psychiatry (Medicine), $\frac{1}{4}$ time, one year from September 1, 1962, \$2,100, supersedes nonsalaried appointment (10-23-62).
- PRESTON, ANN, Architecture Library Assistant (Library), ten months from November 1, 1962, \$5,500 a year (10-26-62).
- PSCHORR, HELENE, Registered Pharmacist in Hospital Pharmacy (Pharmacy), eleven months from October 1, 1962, \$7,000 a year (10-31-62).
- RACSTER, RONALD L., Assistant in Finance, nine months from September 16, 1962, \$4,000, supersedes (7-24-62).
- RAO, PILLARISSETTY J., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), $\frac{3}{4}$ time, eleven months from October 1, 1962, \$5,000 a year, supersedes (10-23-62).
- RAPPAPOORT, BEN Z., Professor of Medicine (Medicine), $\frac{1}{2}$ time, one year from September 1, 1962, \$7,500, supersedes (11-14-62).
- REED, MRS. BARBARA L., Lecturer in Recreation and Municipal Park Administration (College of Physical Education), to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, without salary; this is in addition to her nonacademic appointment, supersedes (11-26-62).
- RESH, JAMES A., Research Associate in the Coordinated Science Laboratory (C), $\frac{1}{2}$ time, February 1-June 15, 1963, \$277.77 a month, supersedes (12-5-62).
- RIES, DONALD G., Research Associate in Chemistry, ten months from November 1, 1962, \$5,850 a year (10-31-62).
- ROTH, CYNTHIA M., Assistant in Physical Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (11-21-62).
- RUOSS, MARJORIE, Assistant in Nursing, nine months from September 16, 1962, \$5,500, supersedes (12-5-62).
- SALOMON, LAWRENCE, Instructor in Art (Chicago Undergraduate Division), $\frac{1}{3}$ time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$875 (11-12-62).
- SANCHEZ, ANTONIA, Instructor in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-27-62).
- SAVITT, ARTHUR E., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (10-24-62).
- SCHMITZ, CAROLYN A., Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- SCHUEMANN, WILFRED C., Research Assistant in the Coordinated Science Laboratory (C), eleven months from October 1, 1962, \$8,000 a year (10-24-62).
- SCHUMACHER, GEBHARD, Research Associate in the Institution for Tuberculosis Research (Medicine), nine months from December 1, 1962, \$625 a month (11-12-62).
- SCOTT, EDWARD J., Associate Professor of Mathematics, $\frac{5}{8}$ time, \$9,000, and of Agronomy (S), $\frac{1}{8}$ time, \$1,800, indefinite tenure from September 1, 1962, to render service during each academic year, supersedes (10-24-62).
- SECTER, IRVING, Assistant Professor of Clinical Dentistry (Dentistry), $\frac{7}{10}$ time, October 8, 1962-August 31, 1963, \$5,950 a year, supersedes (10-24-62).
- SLYTER, LEONARD L., Research Associate in Dairy Science (S), eleven months from October 1, 1962, \$6,850 a year (10-24-62).
- SOLLO, FRANK W., JR., Research Associate in the State Water Survey, $\frac{1}{2}$ time, eight months from November 1, 1962, \$6,500 (10-31-62).
- SONNENKALB, BRIGITTA H., Physician in the Health Service (Medical Center), $\frac{3}{10}$ time, eleven months from October 1, 1962, \$3,600 a year (10-23-62).
- STARK, KENNETH, Assistant-Counseling in the Student Counseling Service (Provost's Office), ten months from November 1, 1962, \$6,250 a year, supersedes (11-13-62).

- STEWART, MRS. BEVERLY J., Undergraduate Library Assistant in the Library, nine months from December 1, 1962, \$5,500 a year, supersedes (11-16-62).
- STOLUROW, LAWRENCE M., Professor of Psychology, to render service during each academic year, on leave of absence with pay, during the second semester, and Professor of Education, in the Bureau of Educational Research (Y basis), leave of absence with pay, from February 1 through June 15, 1963, on indefinite tenure, from September 1, 1962, \$12,900 a year, supersedes (11-13-62).
- SWERDLOW, ARNOLD B., Clinical Instructor in Surgery (Medicine), eleven months from October 1, 1962, without salary (10-31-62).
- TAKANO, TADAO, Instructor in Art (Chicago Undergraduate Division), $\frac{1}{4}$ time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$875 (11-12-62).
- TESKA, BETTY J., Research Associate in the Institute for Research on Exceptional Children, $\frac{1}{2}$ time, academic year beginning September 1, 1962, \$3,240 (11-8-62).
- TEXTOR, CHARLES S., II, Clinical Assistant Professor of Neurology and Neurological Surgery (Medicine), $\frac{1}{10}$ time, one year from September 1, 1962, \$1,200 (11-8-62).
- THOMPSON, EDWARD C., Clinical Assistant Professor of Oral and Maxillofacial Surgery (Dentistry), one year from September 1, 1962, without salary (11-8-62).
- UECKER, FRANCIS A., Assistant Professor of Botany, September 16, 1962-January 31, 1963, \$3,500 (11-1-62).
- VAN BORTEL, DOROTHY G., Research Associate in Pedodontics (Dentistry), $\frac{3}{5}$ time, October 1, 1962-June 15, 1963, \$2,125 (11-8-62).
- VANDI, ANTONIO F., Research Associate in Chemistry, four months from October 1, 1962, \$565 a month, supersedes (10-23-62).
- VASTINE, RUSSELL J., JR., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- VERMEULEN, MARY E., Research Assistant in Microbiology, October 16, 1962-August 31, 1963, \$5,200 a year (10-23-62).
- VESSELL, RITA M., Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- WACHSMAN, JOSEPH T., Assistant Professor of Microbiology, July 1, 1962-August 31, 1963, \$10,380 a year, supersedes (11-8-62).
- WALKER, CRAYTON C., Research Assistant in Electrical Engineering (C), January 1-June 15, 1963, \$477.77 a month, supersedes (12-5-62).
- WEISSMAN, HERMAN B., Associate Professor of Physics, $\frac{3}{4}$ time, indefinite tenure, \$6,200 a year, and Acting Director of the Computer Program, $\frac{1}{2}$ time, one year, \$3,100 (Chicago Undergraduate Division), to render service during each academic year beginning September 1, 1962, supersedes (10-24-62).
- WENTE, HENRY L., Instructor in Clinical Dentistry (Dentistry), $\frac{3}{5}$ time, October 18, 1962-August 31, 1963, \$3,000 a year (11-14-62).
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory, February 1-March 31, 1963, \$800 a month (10-29-62).
- WILKINS, JAMES L., Instructor in Sociology (Chicago Undergraduate Division), $\frac{1}{2}$ time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$1,500 (11-5-62).
- WILLIAMSON, ARTHUR R., Clinical Instructor in Surgery (Medicine), ten months from November 1, 1962, without salary (11-16-62).
- WUTTIG, MANFRED R. G., Research Associate in Metallurgy (C), January 15-August 31, 1963, \$8,000 a year (10-31-62).
- YAEGER, JAMES A., Assistant Professor of Histology (Dentistry), eight months from January 1, 1963, \$11,200 a year, supersedes (11-16-62).
- YASHON, DAVID, Assistant in Neurology and Neurological Surgery (Medicine), one year from July 1, 1962, without salary (11-8-62).
- ZEMLIN, WILLARD R., Assistant Professor of Speech and Theatre, $\frac{1}{2}$ time, (Y basis), and $\frac{1}{2}$ time, to render service during the academic year, one year from September 1, 1962, \$8,225, supersedes (11-27-62).
- ZIOLKOWSKI, EDMUND M., Physician in the Health Service (Medical Center), $\frac{1}{2}$ time, eleven months from October 1, 1962, \$6,000 a year; this is in addition to his nonsalaried appointment (11-8-62).

GRADUATE FELLOWS

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

- ALKIRE, WILLIAM H., United States Public Health Service Predoctoral Fellow in Anthropology, one year from October 1, 1962, \$2,000 (10-18-62).
- ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, one year from September 21, 1962, \$2,000, supersedes (10-19-62).
- BEERS, GEORGE, National Science Foundation Fellow in Mathematics, one year from June 16, 1962, \$5,666.25, supersedes (11-13-62).
- BERMAN, MORLEY, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-11-62).
- CADKIN, LAWRENCE M., Part-time Medical Student Research Fellow in Pediatrics, October 6, 1962-June 15, 1963, \$550 (10-16-62).
- DELLENBACK, BARBARA, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-8-62).
- DEVINE, RICHARD A., Inland Steel-Ryerson Foundation Fellow in Architecture, February 1-June 15, 1963, \$1,500 (11-28-62).
- EDWARDS, JOHN R., United States Public Health Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800, supersedes (10-24-62).
- ELLIOTT, EDWARD L., General Electric Foundation Teaching Fellow in Accountancy, September 16, 1962-June 30, 1963, \$1,000; this is in addition to his appointment as Assistant in Accountancy on $\frac{3}{4}$ time (11-13-62).
- GANTT, R. RAYMOND, United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, \$1,733.28, supersedes (11-7-62).
- GRUEN, WAYNE T., Automotive Safety Foundation Fellow in Civil Engineering, February 1-June 15, 1963, \$750 (11-20-62).
- HEINTZ, NORMAN V., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-31-62).
- JOHNSON, RICHARD M., Charles E. Merriam Fellow in Political Science, October 1, 1962-June 15, 1963, \$1,888.88; and two months from June 16, 1963, \$375, supersedes (10-26-62).
- KLESSE, WILLIAM R., United States Public Health Service Fellow (Trainee) in Biophysics, one year from December 1, 1962, \$2,666 (11-13-62).
- LERNER, LEON M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, \$1,733.28, supersedes (11-7-62).
- LEVIN, JACOB J., United States Public Health Service Fellow (Trainee) in Neuropharmacology, one year from November 1, 1962, \$8,000 (10-26-62).
- LEVIN, NATHAN W., United States Public Health Service Fellow (Special) in Medicine, one year from September 26, 1962, without salary (10-17-62).
- MAGNUS, DAVID, United States Public Health Service Fellow (Trainee) in Pharmacology, nine months from September 16, 1962, \$600 (10-15-62).
- MCCARTY, CHARLES G., United States Public Health Service Predoctoral Fellow in Chemistry, one year from October 12, 1962, \$3,700 (10-18-62).
- MCDERMOTT, JAMES A., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from August 1, 1962, \$600, supersedes (10-11-62).
- MCINTOSH, CHARLES L., Part-time Medical Student Research Fellowship in Surgery, January 1-June 15, 1963, \$400 (11-21-62).
- McLAIN, LARRY, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-8-62).
- NIXON, JOSEPH E., United States Public Health Service Fellow (Trainee) in Animal Science, eight months from November 1, 1962, \$1,667 (11-7-62).
- NOTEBOOM, WILLIAM D., United States Public Health Service Predoctoral Fellow in Physiology and Biophysics, one year from October 1, 1962, \$2,000 (10-18-62).
- SCHATZ, HOWARD, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-11-62).
- SELINE, HELEN, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from November 1, 1962, \$2,400 (10-31-62).
- SNOW, WILLIAM J., General Electric Foundation Teaching Fellow in Accountancy, nine months from September 16, 1962, \$1,000; this is in addition to his appointment as Assistant in Accountancy on $\frac{1}{2}$ time (11-13-62).

WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, \$1,733.28, supersedes (11-7-62).

WATSON, JAMES R., United States Public Health Service Fellow in Microbiology, one year from January 1, 1963, \$2,000 (10-15-62).

WILLOUGHBY, JEWELL B., Office of Education Fellow in Education, nine months from September 16, 1962, \$2,800 (11-5-62).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

CHATMAN, DONALD G., Research Assistant in Medicine (Medicine) — resignation effective October 13, 1962.

CHUANG, K. P., Instructor in Theoretical and Applied Mechanics — resignation effective September 1, 1962.

CICENAS, ZINNIA, Assistant Chief Pharmacist (Medical Center) — declination effective September 1, 1962.

DAY, NORMAN D., Assistant Professor of Architecture — resignation effective March 1, 1963.

GAETANI, SANCIA, Research Associate in Animal Science — resignation effective December 14, 1962.

GARCIA-MOLINER, CARMEN, Postdoctoral Fellow (Trainee) in Microbiology — resignation effective November 1, 1962.

GEORGIU, GEORGE T., Physician, Health Service (Medical Center) — resignation effective December 1, 1962.

GRAY, JOSEPH L., III, Instructor in Foreign Languages (Chicago Undergraduate Division) — resignation effective March 1, 1963.

GROVES, WILLIAM E., Research Assistant in Chemistry — declination effective June 16, 1962.

HARRIS, MRS. BRIGITA, Research Assistant in Pharmacognosy and Pharmacology (Pharmacy) — resignation effective November 1, 1962.

HERSCHBACH, KORNELIUS, Research Associate in Physics — resignation effective January 1, 1963.

HOFFMANN, RITA C., Research Assistant in Biological Chemistry (Medicine) — resignation effective September 9, 1962.

HUTCHINSON, DAVID, Research Assistant in the Digital Computer Laboratory — resignation effective November 24, 1962.

HUTTON, ROGER S., Assistant in General Engineering — declination effective September 16, 1962.

JACOBSON, MARCUS A., Clinical Instructor in Psychiatry (Medicine) — termination effective September 1, 1962.

KAMPE, DWIGHT F., Associate Professor of Agricultural Engineering — resignation effective November 16, 1962.

KIESO, DONALD E., Instructor in Accountancy — resignation effective March 1, 1963.

KIMURA, HIROSHI, Research Assistant in Food Technology — resignation effective November 22, 1962.

LAWRENCE, ARTHUR G., Clinical Instructor in Surgery (Medicine) — resignation effective November 1, 1962.

LEICHTNER, E. JEANNINE, Research Associate in the Coordinated Science Laboratory — resignation effective December 1, 1962.

MAIER, KENNETH J., Instructor in Radiology (Medicine) — termination effective November 1, 1962.

MINOMURA, SHIGERU, Research Associate in Chemical Engineering — declination effective September 1, 1962.

PENHOLLOW, JOHN O., Research Associate in the Digital Computer Laboratory — resignation effective December 16, 1962.

POPE, SHIRLEY A., Fellow in French — resignation effective November 10, 1962.

RAMSEYER, LINDA M., Fellow in Zoology — resignation effective February 1, 1963.

REDFIELD, ALFRED G., George A. Miller Visiting Professor of Physics — cancellation effective October 1, 1962.

SINHA, MRS. INDU BALA, Research Assistant in Plant Pathology — resignation effective December 1, 1962.

- STOUT, GLENN E., Research Associate in General Engineering—declination effective September 1, 1962.
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory—resignation effective January 1, 1963.
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory—declination effective February 1, 1963.
- WOLOSHIN, GABRIELLE S., Instructor in Psychiatry (Medicine)—termination effective October 1, 1962.
- ZAYAS, AGENOR M., Assistant in Physical Medicine and Rehabilitation (Medicine)—resignation effective October 17, 1962.

LEAVES OF ABSENCE

- FREUND, ERIC C., Research Associate in the Bureau of Community Planning—leave of absence, without pay, beginning October 22, 1962, and continuing through December 31, 1962.
- GOULD, ORRIN E., Assistant Professor of Education—leave of absence, one-fourth time, for the academic year 1962-63, without pay.
- MANWELL, CLYDE, Associate Professor of Physiology—leave of absence, without pay, for two years from September 1, 1963, so that he may spend those two years in research and studies abroad.
- RAPP, MARIE A., Circulation Librarian, with rank of Assistant Professor, in the Chicago Undergraduate Division—leave of absence, without pay, for four months from December 1, 1962.
- ROBERG, NORMAN B., Professor of Medicine, in the College of Medicine—leave of absence, without pay, for two years from July 1, 1963.
- RUDIN, CECILIA M., Instructor in English, in the Chicago Undergraduate Division—leave of absence, without pay, beginning November 2, 1962, and continuing through August 31, 1963, on account of illness.
- SANDAGE, CHARLES H., Professor of Advertising and Head of the Department, in the College of Journalism and Communications—leave of absence, one-half time, without pay, from September 1, 1963, through February 29, 1964.
- SMITH, ROBERT J., Professor of Architecture—disability leave of absence, with full pay, beginning November 2, 1962, and continuing until the beginning of the second semester.

CHANGES IN SABBATICAL LEAVES OF ABSENCE

- KING, IVAN R., Associate Professor of Astronomy—from sabbatical leave for the academic year 1962-63 on one-half pay to sabbatical leave of absence from September 1, 1962, and continuing through February 28, 1963, on full pay, and from March 1 through August 31, 1963, his salary to be paid from a National Science Foundation Grant, U.S. NSF G-22005 (46-32-10-354).
- STOLUROW, LAWRENCE M., Professor of Psychology and of Education, in the Bureau of Educational Research—from sabbatical leave of absence for the academic year 1962-63 on one-half pay to leave of absence, with pay, from February 1 through June 15, 1963.

DEAN MARY K. MULLANE

At this point, Dean Mary K. Mullane of the College of Nursing was introduced and she addressed the Board briefly on the recent developments in education for nursing and on the state of the University of Illinois College of Nursing.

JANUARY MEETING

On motion of Mr. Swain, the Board voted to change the date of the January, 1963, meeting from Wednesday, January 16, to Thursday, January 17, 1963; and to hold this meeting in Springfield at a place and according to a schedule to be determined by the President and the Secretary of the Board.

ANNUAL MEETING

On motion of Mr. Johnston, the Board voted to change the date of the

next annual meeting from Tuesday, March 12, to Wednesday, March 20, 1963.

President Henry asked that the Trustees consider holding a special meeting, or meetings and conferences of Board committees, in January following the regular meeting. The dates of January 19 and 22 were suggested. It was the consensus of the Board that the Secretary of the Board, in consultation with the Committee Chairmen, canvass the Trustees to set a suitable date if the business of the University required such a meeting of the Board or of Board Committees.

TRIBUTE TO MR. WILKINS

Mr. Wilkins will leave office as Superintendent of Public Instruction of Illinois on January 14, so that today's meeting of the Board of Trustees of the University is the last he will attend as an *ex officio* member of the Board.

On motion of Mr. Swain, the Board of Trustees gave Mr. Wilkins a rising vote of thanks for his services as a member of this Board.

RECESS

At 12:15 p.m., on motion of Mrs. Watkins, the Board recessed for luncheon. Members of the Board of Trustees, officers of the Board, officers of the University, and representatives of the press were guests of officers of the First National Bank of Chicago at luncheon.

Following the recess, on motion of Mr. Pogue, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President