

MEETING OF THE BOARD OF TRUSTEES

OF THE

UNIVERSITY OF ILLINOIS

May 24, 1962



The May meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Thursday, May 24, 1962, beginning at 10:30 a.m.

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

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Director C. S. Havens of the Physical Plant, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. Earl W. Porter, Assistant to the President for Reports and Special Projects, Mr. Vernon L. Kretschmer, Director of Auxiliary Services; and officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

MINUTES APPROVED

The Secretary presented for approval the minutes of the meeting of November 28, 1961, press proof copies of which had previously been sent to all of the Trustees.

On motion of Mr. Swain, these minutes were approved as printed on pages 1183 to 1214, inclusive.

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

PRESIDENT'S REPORT ON SELECTED TOPICS

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
KENNETH FLOYD ANDERSON	Gary, Indiana	Indiana
JAMES LENDON BUCKNER	Steeleville, Illinois	Louisiana
THOMAS JAMES HAYES	Northbrook, Illinois	Missouri
JAMES DENNIS McMENAMIN	Philadelphia, Pennsylvania	Pennsylvania
RAYMOND WOODROW THOMPSON	Prairie Village, Kansas	Kansas
WILLIAM YOUNG	Chicago, Illinois	Michigan

I concur.

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

DIRECTOR OF INTERNATIONAL PROGRAMS

(2) The interests and responsibilities of the University in the international aspects of higher education have expanded steadily during the past decade—partly in response to the nation's growing concern with world affairs. These expanded activities have included: new courses and programs, at both undergraduate and graduate levels; increased research on the social, economic, and political institutions of underdeveloped countries; marked growth in the enrollment of foreign students and a great increase in the number of foreign visitors; participation in special overseas projects designed to improve the institutions of higher education in other countries.

These diverse operations have developed with a considerable degree of mutual independence, in accordance with the special interests of various individuals, departments, and colleges. Except for a Committee on Overseas Projects—organized to exercise general supervision over the several programs sponsored by the International Cooperation Administration—there has been no central administrative organization concerned with international programs. The latter have now grown to such proportions, however, that a central administrative assignment is needed to maintain effective coordination among them and to provide cohesive direction to future developments. To meet these growing needs, I recommend authorization of appointments on the staff of the Executive Vice-President and Provost of such personnel as may be necessary; for the present, it is proposed that these include a Director of International Programs and an Assistant Director; and that Associate Provost and Dean of Administration Royden Dangerfield be given the additional

title of Director of International Programs and assigned the administrative responsibility for the same.

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

APPOINTMENTS TO THE FACULTY

(3) 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. HELMY H. BALIGH, Assistant Professor in the Graduate School of Business Administration, College of Commerce and Business Administration, beginning September 1, 1962, at an annual salary of \$8,000 (B).
2. GEORGE R. BLAKLEY, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$7,800 (B).
3. DARWIN J. CASLER, Assistant Professor of Accountancy, beginning September 1, 1962, at an annual salary of \$8,000 (B).
4. SANFORD COHEN, Visiting Professor in the Institute of Labor and Industrial Relations, for eleven months from September 1, 1962, at a salary of \$13,000 (G).
5. HENDRIK DE WAARD, Visiting Professor of Physics, for one year from September 1, 1962, on 7/10 time, at a salary of \$9,000 (DY70).
6. ROBERT H. EWALT, Assistant Dean of Men, beginning September 1, 1962, at an annual salary of \$6,400 (DY).
7. KENNETH U. FLOOD, Associate Professor in the Graduate School of Business Administration and Acting Head of the Department of Business Law, College of Commerce and Business Administration, beginning September 1, 1962, at an annual salary of \$12,000 (B).
8. MERLIN H. FORSTER, Assistant Professor of Spanish, beginning September 1, 1962, at an annual salary of \$7,500 (B).
9. LOUIS O. FOSTER, Visiting Professor in the Graduate School of Business Administration, College of Commerce and Business Administration, for the academic year 1962-63, at a salary of \$12,000 (E).
10. GUY G. GARRISON, Research Associate Professor and Director of Library Research Center, in the Graduate School of Library Science, beginning June 16, 1962, at an annual salary of \$10,000 (FY).
11. CHARLES W. GEAR, Research Assistant Professor of Applied Mathematics, in the Digital Computer Laboratory, for two and one-half months from July 1, 1962, at a salary of \$2,222 (G), and for the academic year 1962-63, at an annual salary of \$8,000 (B).
12. JOEL F. HANDLER, Assistant Professor of Law, beginning September 1, 1962, at an annual salary of \$11,500 (B).
13. BUD G. HARMON, Assistant Professor of Animal Science, beginning June 15, 1962, at an annual salary of \$8,200 (BY).
14. STEPHEN P. HENCLEY, Associate Professor of Education, beginning September 1, 1962, at an annual salary of \$9,600 (A).
15. ROBERT A. HENDERSON, Associate Professor of Education, on one-half time, and in the Institute for Research on Exceptional Children, on one-half time, beginning September 1, 1962, at an annual salary of \$9,500 (A).
16. FRANK E. HOSTETTLER, Associate Director of the Physical Plant, Medical Center, Chicago, beginning April 1, 1962, at an annual salary of \$16,000 (DY).
17. THOMAS L. JOHNSTON, Visiting Professor in the Institute of Labor and Industrial Relations, for the academic year 1962-63, at a salary of \$12,500 (E).
18. JOHN L. LOTH, Assistant Professor of Aeronautical and Astronautical Engineering, beginning September 1, 1962, at an annual salary of \$8,200 (D).
19. ROYAL B. MACDONALD, Assistant Professor of Music, beginning September 1, 1962, at an annual salary of \$7,500 (D).
20. RUSSELL L. MORAN, Assistant Professor of Economics, beginning September 1, 1962, at an annual salary of \$8,000 (D).
21. STUART S. NAGEL, Assistant Professor of Political Science, beginning September 1, 1962, at an annual salary of \$7,500 (B).
22. GERHARD NELLHOUS, Assistant Professor of Pediatrics and of Neurology, beginning July 1, 1962, on 9/10 time, at an annual salary of \$14,000 (DY90).

23. HARRY W. PEARCE, Associate Director of the Physical Plant, Chicago Undergraduate Division, beginning April 1, 1962, at an annual salary of \$17,000 (DY).
24. JOHN A. RATCLIFFE, George A. Miller Visiting Professor of Electrical Engineering and of Astronomy, for the period May 7 to 25, 1962, at a salary of \$3,000 (G).
25. CHARLES H. SHAIJOVA, Clinical Assistant Professor of Psychiatry, beginning March 19, 1962, without salary (DY).
26. CHARLES L. WRENN, George A. Miller Visiting Professor of English, for the first semester of 1962-63, at a salary of \$9,000 (D).

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

HONORARY DEGREES

(4) The Urbana-Champaign Senate recommends that honorary degrees be conferred upon:

ALBERT JAMES HARNO, Doctor of Laws. A member of the faculty of the University of Illinois since 1921, Dean of the College of Law from 1922 to 1957, and now Professor of Law and Dean Emeritus, and Administrator of Courts of the State of Illinois.

JAMES BARRETT RESTON, Doctor of Laws. Distinguished journalist, Pulitzer Prize winner, Chief of the Washington Bureau of *The New York Times*.

WILLIAM CUMMING ROSE, Doctor of Science. Distinguished biochemist, a member of the faculty of the University of Illinois since 1921, and now Research Professor of Biochemistry, Emeritus.

I am pleased to concur in the recommendations of the Senate. It is proposed to confer the degrees at the Commencement Exercises at Urbana-Champaign on June 16, 1962, or at some other appropriate academic occasion in case any one of the candidates is unable to attend the June Commencement exercises.

Submitted herewith are the recommendations made to the Senate in support of the nominations of these candidates, and copies are being filed with the Secretary of the Board for record.

On motion of Mr. Pogue, these degrees were authorized as recommended.

NAMING OF RESIDENCE HALLS

(5) Upon recommendation of the Director of Auxiliary Services, the Housing Division, and the Dean of Students, and after consultation with the Executive Committee of the University Council, I recommend the following names for the new Pennsylvania Avenue Residence Halls, now under construction.

Babcock Hall. Named in honor of Kendric Charles Babcock (1867-1932) who was Dean of the College of Liberal Arts and Sciences from 1913 to 1931 and Provost of the University from 1925 to 1931. Prior to coming to the University of Illinois, he was Specialist in Higher Education in the United States Office of Education. He bequeathed to the University an endowment of \$50,000 for support of fellowships, research, and publications in the general fields of history and political science.

Carr Hall. Named in honor of Robert Franklin Carr (1871-1945), an alumnus of the University of Illinois, Class of 1893. At the time of his death, Mr. Carr was Chairman of the Board of the Dearborn Chemical Company, Chicago. He was a member of the Board of Trustees from 1915 to 1921, and served as President of the Board for one year. He also served as President of the University of Illinois Alumni Association and the University of Illinois Foundation. He was Chairman of the Memorial Stadium Committee which directed the fund raising campaign for the Stadium and arranged to finance its construction. He was also the largest individual contributor to the Stadium Fund.

Blaisdell Hall. Named in honor of Daisy Luana Blaisdell (1866-1952) who was a member of the faculty of the Department of German from 1900 to 1920 and from 1926 until 1931. During the years 1920 to 1926 she served as Social Director of the first of the University's residence halls for women, now Busey Hall. She then returned to teaching in the Department of German until she retired in 1931.

Saunders Hall. Named in honor of Alta Gwinn Saunders (1886-1948), an alumna

of the University of Illinois, Class of 1907, and a member of the faculty of the University from 1917 until her untimely death in an airplane disaster in 1948. In 1938, she became a full professor and Chairman of the Division of Business English, in which field she was one of the pioneer teachers and achieved a national reputation. She served on numerous faculty committees whose services were directly related to student life and welfare. She also was one of the Vice-Presidents and a Director of the University of Illinois Alumni Association for a number of years.

The Committee on Buildings and Grounds has also been consulted and supports this recommendation.

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

DEGREE OF MASTER OF EXTENSION EDUCATION

(6) The Urbana-Champaign Senate recommends authorization of a graduate program designed to meet the professional needs of men and women in the Cooperative Extension Service or related fields of education, leading to the degree of Master of Extension Education. The program was developed by the College of Agriculture and has the approval of the Graduate College and the College of Education.

The Senate Coordinating Council indicates no other Senate jurisdiction is involved.

I concur, subject to further action by the Board of Higher Education of Illinois. Submitted herewith are a supporting memorandum giving the details of this program, and a formal outline of the proposal which I recommend be approved for submission to the Board of Higher Education. Copies of both documents are being filed with the Secretary of the Board for record.

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

REVISIONS IN THE CURRICULUM PREPARATORY TO THE TEACHING OF BIOLOGY

(7) The Urbana-Champaign Senate has recommended certain revisions in the curriculum leading to the degree of Bachelor of Science in the Teaching of the Biological Sciences and General Science, effective for students enrolling in the curriculum in September, 1962, and thereafter. The revisions include a recommendation that the minimum number of hours required for graduation be 120 hours, not counting the first two years of work in military science and physical education, instead of 123 hours presently required. The changes also include new courses and rearrangement of certain present courses. A complete outline of the revised curriculum showing the changes in the present program is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval.

On joint motion of Mr. Williamson and Mr. Wilkins, this recommendation was approved.

REVISIONS IN GENERAL ENGINEERING CURRICULUM

(8) The Urbana-Champaign Senate recommends that the present requirement of twelve semester hours of social science-humanities electives in the curriculum in general engineering, be increased to eighteen hours, the change to become effective the first semester of the 1962-63 academic year. The additional six hours required will be provided for in the curriculum as follows:

Second Semester, Sophomore Year: Drop Civil Engineering 200, General Surveying, or Mechanical Engineering 182, Manufacturing Processes, 3 hours; and add social science-humanities elective, 3 hours.

Second Semester Senior Year: Drop engineering science elective, 3 hours, and add social science-humanities elective, 3 hours.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval.

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

DEPARTMENT OF AERONAUTICAL AND ASTRONAUTICAL ENGINEERING

(9) On recommendation of the College of Engineering, the name of the Department of Aeronautical Engineering has been changed to Department of Aeronautical and Astronautical Engineering to identify more accurately its educational and research programs.

On recommendation of the Executive Committee of the College of Engineering and the Executive Committee of the Graduate College, and with the concurrence of the Urbana-Champaign Senate, the designation of the degrees of Bachelor of Science, Master of Science, and Doctor of Philosophy offered by the Department have also been changed to reflect the change in name of the Department.

These changes are being reported for record.

On motion of Mr. Harewood, these actions were confirmed.

CHANGES IN MAJORS AND MINORS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

(10) The Urbana-Champaign Senate has approved for submission to the Board of Trustees a recommendation from the College of Liberal Arts and Sciences and the Council on Teacher Education for changes in majors and minors in the College of Liberal Arts and Sciences in botany, Latin-American studies, honors program in mathematics, music, rhetoric, speech and theatre, and physiology.

A supporting memorandum giving the details of these changes, most of which are minor revisions, is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

These changes are effective for students enrolling in September, 1962, and thereafter. Although Board approval is not required, they are nevertheless being reported for official record.

On motion of Mrs. Watkins, the actions taken were confirmed.

CHANGES IN LIBERAL ARTS AND SCIENCES CURRICULA

(11) The Urbana-Champaign Senate has approved a recommendation from the College of Liberal Arts and Sciences that a six-hour sequence in one foreign literature at the junior or senior level—but not language courses—be accepted as satisfying the general education requirement in the humanities curriculum.

The Urbana-Champaign Senate also has approved a recommendation from the College of Liberal Arts and Sciences that the name of the general curriculum in the College be changed to the sciences and letters curriculum beginning with the academic year 1963-64. This new name is a more accurate description of the nature of the curriculum and should minimize the confusion which exists in the mind of a new student who has difficulty distinguishing between the general curriculum and the Division of General Studies.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved in the above matters. Formal action by the Board is not required, but these changes are being reported for official record.

On motion of Mr. Williamson, these actions were confirmed.

CURRICULUM PREPARATORY TO THE TEACHING OF MATHEMATICS AND PHYSICAL SCIENCES

(12) On recommendation of the Urbana-Champaign Senate, the curriculum preparatory to the teaching of mathematics and physical sciences in the College of Liberal Arts and Sciences has been discontinued due to the lack of student interest in this curriculum.

This action is being reported for record.

This report was received for record.

SUMMER SPEECH CLINICS

(13) The Director of the Division of Services for Crippled Children and the Vice-President of the Medical Center Campus recommend, and I concur, that the Division be authorized to continue speech clinics during the summer of 1962 at

the following institutions of higher education in Illinois on a reimbursable cost basis:

	<i>Estimated Cost</i>
Augustana College, Rock Island.....	\$ 9 522 00
Northern Illinois University, DeKalb.....	11 747 75
Southern Illinois University, Carbondale.....	9 315 00
Illinois State Normal University, Normal.....	12 285 00
	<u>\$42 869 75</u>

A similar clinic at the University of Illinois at Urbana.....\$12 626 00

Funds are available in the budget of the Division of Services for Crippled Children.

On motion of Mr. Harewood, authority was given as requested.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

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

Urbana-Champaign

1. College of Agriculture	
Dixon Springs Experiment Station, truck.....	\$ 5 308
Horticulture, Field Laboratory growth chamber.....	24 790
Horticulture, Pell Farm improvements and plantings.....	30 075
2. College of Education	
University High School, equipment.....	6 956
Education Administration, equipment.....	3 100
Educational Testing, microfilming records.....	3 717
3. College of Engineering	
Physics, equipment (National Science Foundation grant matching funds).....	25 000
Civil Engineering, equipment.....	83 400
4. College of Fine and Applied Arts	
Art, equipment.....	6 798
Architecture, equipment.....	1 650
5. College of Physical Education, equipment.....	19 049
6. McKinley Hospital, nurse call system.....	16 000
7. Stenographic Service, duplicating equipment.....	3 400
8. Physical Plant	
Remodeling present Physics Building.....	4 060
Rehabilitation of three rooms on second floor of Botany Annex.....	5 408
Tennis courts improvements (backboards and resurfacing).....	13 870
Remodeling in Chemistry Annex.....	50 000
Coat hooks.....	10 000
Classroom furniture.....	4 200
Renovation and redecoration of front wall of Law Building auditorium.....	11 000
Hitting wall for Gregory Drive recreation area.....	5 900
9. College of Liberal Arts and Sciences	
Chemistry equipment (National Science Foundation grant matching funds).....	25 000

Medical Center

10. Research and Educational Hospitals, equipment.....	70 000
11. Library, books.....	11 000
12. Physical Plant, remodeling in manufacturing pharmacy area.....	3 350

Chicago Undergraduate Division

13. Engineering	
Electrical Engineering, laboratory equipment.....	32 500
Physics, equipment.....	10 000
14. Physical Plant	
Remodeling office of Public Information and front office.....	5 300
Remodeling for instructional use (includes conversion of a laboratory into two classrooms, additional electric circuits, and minor remodeling to accommodate new equipment).....	6 950

The Executive Vice-President and Provost recommends the following appropriations to supplement existing expense and equipment budgets:

Dean of Students, for publications and new student orientation.....	10 550
<i>Grand Total</i>	<u>\$508 331</u>

I concur.

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

REQUEST OF MR. SWAIN

At this point, Mr. Swain asked to be excused from the meeting temporarily; and he also requested leave to be recorded as voting "Aye" on all recommendations which come up for consideration during his absence, stating that he had studied them and has no questions about or dissent from any of the items.

There being no objections, leave was granted.

CONTRACTS FOR CAPITAL IMPROVEMENTS AT THE MEDICAL CENTER CAMPUS

The following four recommendations relating to capital improvements at the Medical Center were presented and considered separately: contracts for remodeling in First Unit of Dentistry-Medicine-Pharmacy Building, contract for protective screens in Research and Educational Hospitals, contract for new power supply at the Medical Center Campus, and contract for engine-driven generators, switchgear, and associated equipment.

On motion of Mr. Wilkins, the Board voted that, following consideration of each item, official action on these contracts would be taken by one roll call vote of record.

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

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the remodeling of two rooms in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

General—Hubschman Construction Company, Chicago.....	\$ 6 337
Laboratory equipment—Kewaunee Manufacturing Company, Evanston..	12 112
<i>Total</i>	<u>\$18 449</u>

The work will consist of rehabilitation of biochemistry laboratories in Rooms 328 and 334, and is a part of the 1961-63 building program at the Medical Center.

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

I concur.

CONTRACT FOR PROTECTIVE SCREENS IN RESEARCH AND EDUCATIONAL HOSPITALS

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$7,074 to the Chamberlin Detention Screens, Inc., Byram, Connecticut, the lowest bidder, for installation of twenty-six protective screens in the Research and Educational Hospitals Addition.

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

I concur.

**CONTRACT FOR NEW POWER SUPPLY AT
THE MEDICAL CENTER CAMPUS**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$94,433 to the Fries-Walters Company, Chicago, Illinois, the lowest bidder, for new power supplies at the Medical Center campus for the Illinois Surgical Institute, Hospital Residence, Old Power Plant, Institute for Juvenile Research, and the completion of the electrical distribution system in the first unit of the Dentistry-Medicine-Pharmacy Building.

This work is a phase of the 1961-63 project of changing the electrical supply at the Medical Center campus from an obsolete and overloaded 4,000-volt system to a new and more reliable 12,000-volt system and includes new duct work, cabling, and switchgear for the buildings listed above.

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

I concur.

**CONTRACT FOR ENGINE-DRIVEN GENERATORS, SWITCHGEAR, AND
ASSOCIATED EQUIPMENT AT THE MEDICAL CENTER CAMPUS**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$34,237 to the Waukesha Motor Company, Waukesha, Wisconsin, the lowest bidder, for the purchase of an engine-driven generator set, switchgear, and associated equipment for the new emergency electrical system for the Research and Educational Hospitals.

The work will consist of furnishing to the site the equipment necessary for the proposed emergency electrical system, with installation to be by others under separate contracts.

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

I concur.

On motion of Mrs. Watkins, the contracts presented in Items 15 to 18, inclusive, were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Harewood, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner.

**AGREEMENT WITH COMMONWEALTH EDISON COMPANY FOR
ELECTRICAL SERVICE TO MEDICAL SCIENCES ADDITION**

(19) Installation of underground and vault equipment and cables will be necessary to supply electrical service to the Medical Sciences Addition, construction of which will be started in the near future.

The Director of the Physical Plant and the Vice-President and Comptroller recommend an agreement with Commonwealth Edison Company, Chicago, for this installation under the "Multiple Service and Combined Billing" plan previously approved by the Board of Trustees for similar installations at the Medical Center. This plan gives the University the advantage of lower rates. Certain items of underground and vault equipment required for the extension of electrical service to the Medical Sciences Addition must be supplied by Commonwealth Edison Company, at a cost to the University of \$3,335 which will be recovered in approximately three years through lower rates for power service available under the "Multiple Service and Billing Plan."

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

I concur.

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

**CONTRACTS FOR EQUIPMENT AND HEATING PLANT
AT CONGRESS CIRCLE CAMPUS**

The following four recommendations for contracts for equipment for the heating plant at Congress Circle were presented and considered separately: contract for high-temperature water boilers, hot water pumps, and erection; contract for refrigeration equipment; contract for condenser water and chilled water circulating pumps; and contract for cooling tower.

On motion of Mr. Wilkins, the Board voted that, following consideration of each item, official action on these contracts would be taken by one roll call vote of record.

**CONTRACT FOR HIGH-TEMPERATURE WATER BOILERS, HOT WATER
PUMPS, AND ERECTION AT CONGRESS CIRCLE CAMPUS**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$235,597 to the International Boiler Works Company, Box 208, East Stroudsburg, Pennsylvania, the lowest bidder, for furnishing and installing two high-temperature water heating boilers and two high-temperature hot water pumps for the heating plant at Congress Circle.

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. The University has reserved the right to terminate this contract prior to September 15, 1962, for any reason by giving to the contractor written notice of such termination.

I concur.

**CONTRACT FOR REFRIGERATION EQUIPMENT
AT CONGRESS CIRCLE CAMPUS**

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$185,859 to the T. F. Hanley Corporation, 1503 South Michigan Avenue, Chicago, the lowest bidder, for furnishing, delivering, and erecting the refrigeration equipment to be installed in the heating plant at Congress Circle.

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. The University has reserved the right to terminate this contract prior to September 15, 1962, for any reason by giving to the contractor written notice of such termination.

I concur.

**CONTRACT FOR CONDENSER WATER AND CHILLED WATER
CIRCULATING PUMPS AT CONGRESS CIRCLE CAMPUS**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$20,493 to Allis-Chalmers Manufacturing Company, 135 South LaSalle Street, Chicago, the lowest bidder, for furnishing and delivering condenser water and chilled water circulating pumps to be installed in the heating plant at Congress Circle.

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. The University has reserved the right to terminate this contract prior to September 15, 1962, for any reason by giving to the contractor written notice of such termination.

I concur.

CONTRACT FOR COOLING TOWER AT CONGRESS CIRCLE CAMPUS

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$39,230 to Fluor Products Company, Oak Park, the lowest bidder, for furnishing, delivering, and erecting the cooling tower to be installed in the heating plant at Congress Circle.

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. The University has reserved the right to terminate this contract prior to September

ber 15, 1962, for any reason by giving the contractor written notice of such termination.

I concur.

On motion of Mr. Pogue, the contracts presented in Items 20 to 23, inclusive, were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Harewood, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner.

On motion of Mr. Pogue, the Executive Committee of the Board was authorized to act for the Board in any negotiations with the contractors which may be required in exercising the University's right to terminate the contracts or to extend the period within which they may be terminated.

CONTRACTS FOR ADDITION TO ABBOTT POWER PLANT AND UTILITIES DISTRIBUTION SYSTEM

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the construction of an addition to the Abbott Power Plant, and for underground piping for steam service to the Physical Plant Service Building and to Jonathan Baldwin Turner Hall (Plant Sciences Building), the award in each case being to the lowest bidder:

Power Plant Addition (Boiler No. 7 addition)

General — Darin and Armstrong, Inc., Chicago.....	\$179 485
Plumbing — William Adams Engineers, Inc., Chicago.....	4 950
Underground piping for steam service to the Physical Plant Service Building and Plant Sciences Building — Robert Gordon, Inc., Chicago	125 015
Base Bid	\$122 207
Additive Alternate for miscellaneous changes in existing installations	2 808

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 report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

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

ADDITIONS TO CONTRACTS FOR CONSTRUCTION OF THE ADDITION TO THE ILLINI UNION AND ASSEMBLY HALL

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend the following increases in the contract with Felmley-Dickerson Company, Inc., for the buildings designated.

Addition to the Illini Union

To provide for changes in the original hardware specified for safety purposes and changes to improve operation and appearance in other hardware throughout the building.....	\$ 5 850 46
To revise the walk and drive construction between Altgeld Hall and the Illini Union Building and to widen walks south of the Illini Union Building Addition in order to facilitate better pedestrian circulation	6 114 38

Assembly Hall

To replace the permanent maplewood floor with a permanent hard surface floor, to increase the length of the activity floor, to improve the access between the activity floor and the service area, and to expand facilities for water and electricity in the arena area.....	10 576 30
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Funds are available in the proceeds of the sale of revenue bonds for the Addition to the Illini Union Building and the Assembly Hall.

I concur.

On motion of Mrs. Watkins, these changes in contracts were authorized.

ADDITION TO CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR THE ELECTRICAL ENGINEERING BUILDING

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend an addition to the contract with Graham, Anderson, Probst, and White for additional architectural and engineering design services for a pent-house laboratory to be constructed on the Electrical Engineering Building.

Since completion of plans and specifications for the addition to the building, a grant has been received from the National Science Foundation, to be matched from state capital appropriations, for the construction of a laboratory for research in antennas and electromagnetic theory. The estimated cost is approximately \$220,000 of which \$110,000 will be financed from state capital appropriations and the balance from the National Science Foundation.

I concur.

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

EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of employment of architects and engineers for the following assignments and on the terms indicated:

Widening and Realignment of Burrill Avenue Bridge — Clark, Daily, Dietz, and Associates, Consulting Engineers, Urbana, Illinois, for field surveys, preliminary drawings, detailed estimates of costs, and complete engineering services for all construction and general supervision of construction for the widening and realignment of the Burrill Avenue Bridge. Payments for these services will be on the basis of the schedule of minimum fees adopted by the Illinois Society of Professional Engineers, exclusive of the services of a resident engineer for field inspection and the cost of soil boring if required. The total estimated cost of engineering services, excluding the services of a resident engineer and inspectors for field inspection, is approximately \$4,000.

East Chemistry Building Addition — Holabird and Root, Chicago, on the basis of a fee of 6 per cent of the total costs of construction contracts, including fixed equipment on new work and 8 per cent for alterations and revisions in the existing building. The firm's professional services are to include preliminary studies, working drawings and specifications, preparation of contract documents, and supervision of construction.

These firms have been recommended for the specific assignments by the Advisory Committee on Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and has recommended approval.

I concur in these recommendations.

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

SPECIAL COUNSEL FOR CONGRESS CIRCLE CAMPUS LITIGATION

(28) On April 20, 1962, a suit was filed in the Federal District Court for the Northern District of Illinois, case No. 62 C 861, against the University, the Chicago Land Clearance Commission, the Federal Housing and Home Finance Agency and its Administrator, and the city of Chicago and certain of its agencies, seeking an injunction against the redevelopment of the Congress Circle site as a campus for the University. The Legal Counsel states that it was necessary to employ special counsel to assist his office in resisting the suit for injunction and to preserve the University's rights in the matter. He requests confirmation and ratification by the Board of the employment of Mr. Albert E. Jenner, Jr. and Mr. Keith F. Bode of the firm of Thompson, Raymond, Mayer, and Jenner, Chicago, as special counsel to represent the University in connection with said

suit, and authority to proceed with the litigation and employ such other special counsel as he may deem appropriate.

I concur.

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

Mr. Harewood asked to be recorded as voting "no"; Mr. Dilliard asked to be recorded as "not voting."

BEQUEST OF LIZZIE GILMAN

(29) Mrs. Lizzie Gilman of Dana, Illinois, who died November 13, 1959, left to her daughter, Bertha Ann Gilman Cullen, a life interest in all her real estate outside the corporate limits of the village of Dana. Upon the death of her daughter, the public administrator is to sell all this property and distribute it as provided in her will as follows:

"When said real estate has been fully liquidated the proceeds of said sales shall be added to such amounts as shall have been received as rentals from the real estate and said sum shall be divided into three equal parts and distributed as follows:

"A one-third part shall be paid unto the Illinois Division, American Cancer Society, Inc., whose offices are now located at 132 North Clark Street, Chicago, Illinois;

"A one-third part shall be paid unto the School of Medicine of the University of Illinois, which said sum shall be paid over unto said School of Medicine to establish a fund for the purpose of study and research in the field of Mental Illness.

"A one-third part shall be paid unto the School of Medicine of Northwestern University located at Chicago, Illinois, which said sum shall be paid over unto said School of Medicine for the purpose of establishing a fund for the study and research in the field of Mental Illness.

"I further provide that if for any reason that should any of the above funds which is hereby directed to be distributed shall be refused, or for some other reason fail and can not be carried out then I provide that such funds shall be distributed among such of the other funds named hereunder in equal parts."

However, the personal property was insufficient to pay all the debts and taxes upon the estate, and the executor applied to the courts for and received permission to sell one tract of the real estate to pay these obligations which was done in 1961. The Northern Illinois Gas Company now desires to purchase two of the eight remaining properties, and, conditioned upon approval of the Illinois Commerce Commission which is believed will be readily obtained, has offered \$400 an acre, or the total of \$135,884 for the remainder interest, one-third of which, or \$45,294.67, would be paid to the University of Illinois, upon completion of the sale.

The Vice-President and Comptroller recommends that the offer of Northern Illinois Gas Company be accepted by the University. The price offered exceeds the estimated value of the land as appraised by the College of Agriculture, after giving consideration to the value of the life estate. The American Cancer Society and Northwestern University have already approved the sale at the price indicated.

The Vice-President for the Medical Center and the Dean of the College of Medicine recommend that the University's share of the proceeds be set up as an endowment fund, with the income to be used for the purpose specified in the will.

I concur in these recommendations; the following resolution is offered for adoption.

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

Resolution

Be It, and It Is Hereby, Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized, for and on behalf of, and in the name of, this public corporation to prepare, execute, and deliver to Northern Illinois Gas Company a quitclaim deed conveying all right, title, and interest of this public corporation in and to the following described property, to wit:

TRACT IV. The West Half (W $\frac{1}{2}$) of the North West Quarter (NW $\frac{1}{4}$) and the North West Quarter (NW $\frac{1}{4}$) of the South West Quarter (SW $\frac{1}{4}$) all in Section Thirty Four (34) in Township Thirty (30) North Range 3 East of the Third Principal Meridian in the County of Livingston and State of Illinois, containing 120 acres, more or less.

TRACT VII. Lots 5, 6, and 7 of the Subdivision of the South East Quarter (SE $\frac{1}{4}$) and the East Half (E $\frac{1}{2}$) of the South West Quarter (SW $\frac{1}{4}$) of Section Twenty Nine (29) in Township Thirty (30) North Range 3 East of the Third Principal Meridian in the County of Livingston and State of Illinois, subject to the right of way of the Atcheson, Topeka & Santa Fe Railroad Co. as the same extends across said premises; also, the West Half (W $\frac{1}{2}$) of the South West Quarter (SW $\frac{1}{4}$) of Section Twenty Nine (29) and the South East Quarter of the South East Quarter of Section Thirty (30) Except the right of way of the Chicago, Santa Fe & California Railway, together with the right of ingress and egress, and containing 219.61 acres of land, more or less;

upon payment by Northern Illinois Gas Company of consideration of \$400 per acre for said property, or a total of \$135,884, to be paid to the Board of Trustees of the University of Illinois, Northwestern University, and American Cancer Society, Illinois Division, Inc., in equal shares, to be used for the purposes specified in the will of Lizzie Gilman, deceased.

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

PURCHASES

Purchases Authorized

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

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Eleven centrifuges; four autoclaves; ovens, sterilizers, balances, microtomes, distilling apparatus, disintegrators, and complete accessories for all laboratory equipment involved (a complete list of the items included in this order was available at the Board meeting)	Agency for International Development	WILL-New York, Inc., New York, N.Y.	\$21 298 46 f.a.s. Bombay, India, cost and freight included
One spectrometer, mass leak detector and accessories, using helium as a tracer, for determining extremely small leaks by means of electronic detection of the gas and converting that impulse to an electric signal, which designates the size of the leak	Physics	Veeco Vacuum Electronics, Plainview, Long Island, N.Y.	5 073 50 f.a.s. New York

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

Purchases Recommended

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

I concur.

Chicago Colleges and Divisions

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One electronic enlarger to be used for the reproduction of original X-ray films	Cleft Palate Clinic	LogElectronics, Inc., Alexandria, Va.	\$10 076 16 delivered
One microradiographic apparatus for preparing X-ray pictures of tissue sections	Histology	Siemens New York, Inc., New York, N.Y.	3 933 00 f.o.b. New York
500,000 Primidone tablets, 0.25 gm.; this is a year's supply of this item, which is an anticonvulsant drug used in the treatment of epilepsy	Pharmacy Stores	Ayerst Laboratories, Chicago	13 290 00 delivered
20,000 Tetracycline V capsules, 250 mg.; this represents a three-month supply of this product, which is a broad spectrum antibiotic used in the treatment of bacterial and viral infections	Pharmacy Stores	E. R. Squibb & Sons, Franklin Park	3 038 00 net, delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Approximately 1,425 millicuries of assorted radioisotopes for use by the Isotope Laboratory during the period from July 1, 1962, through June 30, 1963; these isotopes are used in diagnostic procedures and therapy in the Research and Educational Hospitals	Radiology	Volk Radiochemical Co., Skokie	\$ 5 359 50 delivered
Approximately 201 cartons of X-ray solutions and tank service for one automatic X-ray film processing unit for the period beginning July 1, 1962, through June 30, 1963, subject to renewal for one year by mutual agreement	Radiology	Philip A. Hunt Co., Chicago	4 573 90
Four infant incubators	Research and Educational Hospitals	The Burrows Co., Lincolnwood	3 292 80 delivered
20,000 Undergraduate Division 1962-63 catalogs, approximately 152 pages	Vice-President, Chicago Undergraduate Division	Interstate Printers & Publishers, Inc., Danville	6 823 40 delivered
One language laboratory consisting of thirty student booths, one teachers console, and one remote control cabinet	Division of Humanities, Chicago Undergraduate Division	Chester Electronic Laboratories, Inc., Chester, Conn.	17 631 00 delivered and installed
Furnish all labor and equipment for the removal, hauling away and disposing of all debris, and grading, at various areas located at the Medical Center to be used for parking	Physical Plant	Edmier, Inc., Cicero	9 600 00
Furnish and install new brakes on two elevators in the Student Residence Hall and on two elevators in the Staff Apartment Building	Physical Plant	Haughton Elevator Co., Chicago	2 797 20

Urbana-Champaign Departments

One oscilloscope, dual beam, DC-30MC, with separate vertical and horizontal deflection of both beams, sweep ranges 0.1 microsecond to 12 sec/cm, 5-X magnifiers, delay range 0.5 sec to 50 sec; one scope-stand, portable; two plug-in preamplifiers; one oscilloscope camera	Aeronautical and Astronautical Engineering	Tektronix, Inc., Park Ridge	\$ 3 640 00 f.o.b. Beaverton, Ore.
Gas chromatograph, high temperature, with recorder, flame ionization detector, and disc integrator kit; this equipment will be used primarily to determine the oxides of nitrogen in the nitrogen chemistry studies conducted by the Department of Agronomy	Agronomy	F & M Scientific Corp., Avondale, Pa.	5 308 50 f.o.b. delivered
Two sets aircraft communication and navigation equipment consisting of receivers, transmitters, power supplies, instruments, antennas, and installation kits for use in existing aircraft at the Institute of Aviation	Institute of Aviation	DEC Aviation, Inc., Madison, Wis.	7 665 50 f.o.b. delivered
One nuclear counting system, automatic, to reach a pre-set count of 99,999 and then print the elapsed time and sample number, of 30 samples of radioisotopes, using samples 1/4 in. diameter and smaller	Chemistry and Chemical Engineering	Instrument & Development Products Co., Chicago	2 785 00 f.o.b. delivered terms, net 30 days
Nine instrumentation laboratories and three workbenches complete with accessories and manuals to teach electronics and instrumentation to scientists during short course conferences cooperatively held by Department of Chemistry and Chemical Engineering and the Division of University Extension	Chemistry and Chemical Engineering Extension Division	Heath Co., Benton Harbor, Mich.	8 518 36 f.o.b. Benton Harbor, Mich.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot laboratory apparatus and equipment including laboratory glassware, plastic containers, stirrers, brushes, clamps, coils; estimated to be a three-month supply	General Chemical Stores	LaPine Scientific Co., Chicago	\$75 512 18 f.o.b. delivered
Approximately 150 cases of assorted laboratory glassware (Corning Glass Works) and 150 cases assorted laboratory glassware (Kimble Glass Co.) ordered in maximum discount quantities as needed in next 120 days and according to published fair-trade prices in effect at time of shipment (a complete list of the items included in this order was available at the Board meeting)			
1,000 connectors, taper pin, printed circuit, with sleeves, number of contacts 44, insulated, 3000 VDC, polarizing keys, board thickness, .054 in. to .071 in., bellows spring type contact extending full length of printed circuit fingers	Digital Computer Laboratory	Viking Industries, Inc., Canoga Park, Calif.	4 190 00 f.o.b. delivered
1,700 transistors, type GF 45011, germanium mesa	Digital Computer Laboratory	Western Electric Co., Laureldale, Pa.	7 650 00 f.o.b. Laureldale, Pa.
50,000 terminals, taper pin, for 24-gauge plastic-insulated hook-up wire, complete with necessary tools for crimping, insertion, and extraction of terminals	Digital Computer Laboratory	American Pamcor, Inc., St. Louis, Mo.	2 900 30 f.o.b. St. Louis, Mo.
One integrated system of special racks for transistor circuitry	Digital Computer Laboratory	Northern Tool & Die Co., Chicago	9 250 00 f.o.b. delivered
One research microscope with accessories and attachments for simultaneous anoptical contrast, fluorescent microscopy, and photomicrography	Food Technology	William J. Hacker & Co., Inc., West Caldwell, N.J.	5 262 84 f.o.b. delivered and installed
Three prefabricated chambers for plant growth, for studies in mineral nutrition, translocation, and disease resistance in woody perennial plants	Horticulture	Sherer-Gillette Co., Marshall, Mich.	20 970 00 f.o.b. delivered
Two vidicon camera chains including two each cameras, output amplifiers, and control panels; two cradle heads; two lenses, f 1.5, 40 mm.; two camera cables, 50 ft.; 25 conductors with connectors; one power supply, 280 V., 1600 ma.; one centering current sub-chassis; one unregulated voltage sub-chassis; one video switcher, 9 input, 1 output; one video switcher-fader, 5 input, 2 output	Office of Instructional Television	Radio Corp. of America, Camden, N.J.	12 186 00 f.o.b. delivered
One oscilloscope, dual beam, with sweep delay and separate vertical and horizontal deflection of both beams, DC-30 mc, 12 nsec rise time, 10 KV accelerating potential, 24 calibrated sweep rates 0.1 msec/cm to 5 sec/cm; 2 plug-in preamplifiers, deflection factor 0.05 V/cm to 20 V/cm	Mechanical and Industrial Engineering	Tektronix, Inc., Park Ridge	3 030 00 f.o.b. Beaverton, Ore.
Three recorders, tape, 7½ and 15 in. per second, two-channel, professional quality, with plug-in matching transformers	Music	R. W. Neill Co., Inc., Chicago	5 132 95 f.o.b. delivered
One alignment tape, head-demagnetizer, cleaning fluid, and oil			
One film transport assembly to be incorporated into the Physics Department's present precision film reader (this device will drastically reduce the time spent for moving film through the reader and thus greatly speed up the research productivity)	Physics	Itek Laboratories, Waltham, Mass.	5 188 00 f.o.b. destination

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One oscilloscope, sampling, with dual-trace sampling plug-in unit, timing plug-in unit, and 2 probes; 0.35 nanoseconds rise time, accelerating potential 2.7 KV, external horizontal input 0.05 to 5V/cm sensitivity, slow and fast range manual scan, coarse and fine controls for horizontal position	Physics	Tektronix, Inc., Park Ridge	\$ 3 525 00 f.o.b. destination, plus transportation charges from Beaverton, Ore.
One projector, measuring (film reader) for bubble chamber film, must handle 3 x 400 ft. 35 mm. film and 3 x 1000 ft. 70 mm. film, at least 56 mm. transverse by 152.4 mm. longitudinal, linearity ± 2 microns, resolution better than 150 lines per mm.	Physics Betatron	Nuclear Research Instruments, Berkeley, Calif.	38 430 00 f.o.b. delivered
One recorder, X-Y, with automatic chart advance, recording speed 1 second, input voltages 5 mv. to 100 volts, and built-in time sweep	Theoretical and Applied Mechanics	F. L. Moseley Co., c/o Crossley Associates, Inc., Chicago	2 950 00 f.o.b. Pasadena, Calif.
Print and bind 2,000 copies of <i>The Cubeo</i> , by Irving Goldman, trim size 6 in. x 9 in., approximately 336 pages per copy	University Press	North Central Publishing Co., St. Paul, Minn.	3 261 88 f.o.b. delivered
Print and bind 2,000 copies of <i>Law and Organization in World Society</i> by Kenneth S. Carlston, trim size 6 in. x 9 in. approximately 364 pages per copy	University Press	Interstate Printers & Publishers, Inc., Danville	4 669 19 f.o.b. delivered
Print and bind 10,000 copies of <i>An Alternative to War or Surrender</i> by Charles E. Osgood, trim size 5½ in. x 8 in., approximately 208 pages per copy	University Press	George Banta Co., Chicago	3 654 25 f.o.b. delivered
Print and bind 6,000 copies of book, Unit 9, <i>High School Mathematics</i> , trim size 8½ in. x 11 in., approximately 384 pages per copy, with option to purchase, in the future, an additional 2,000 or 4,000 copies prior to July 1, 1963, on the basis of quoted prices	University Press	George Banta Co., Chicago	5 561 62 f.o.b. Menasha, Wis.
Print and bind 5,000 copies each of the following ILLINI paperback titles, trim size of all titles 5½ in. x 8 in.: <i>Grierson's Raid</i> , by D. Alexander Brown, approximately 268 pages <i>The Mars Project</i> , by Wernher von Braun, approximately 100 pages <i>The New Explorations</i> , by Benton MacKaye, approximately 264 pages <i>Tragicomedies</i> , by Marvin T. Herrick, approximately 340 pages <i>Themes in Greek and Latin Epitaphs</i> , by Richard Lattimore, approximately 356 pages <i>The Doctrine of Responsible Party Government</i> , by J. Austin Ranney, approximately 188 pages	University Press	Colonial Press, Inc., New York, N.Y.	11 623 55 f.o.b. delivered
54 films, 16 mm., educational, color, and black and white, miscellaneous titles	Audio-Visual Aids Service	McGraw-Hill Book Co., Inc., Text Films Dept., New York, N.Y.	5 948 78 f.o.b. delivered
44 films, 16 mm., educational, color, and black and white, miscellaneous titles, less trade-in allowance on 44 damaged films of other titles	Audio-Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	5 902 20 f.o.b. delivered
79 tables, dining, maple, size 30 in. x 30 in. (closed) and 30 in. x 60 in. (opened), with laminated plastic top, for Orchard Downs Apartments	Housing Division	Gilbert A. Force Co., Chicago	5 972 40 f.o.b. delivered
50 refrigerators, 9 cubic foot capacity, white enamel finish, nonautomatic defrost for Orchard Downs Apartments	Housing Division	Kelvinator Division, American Motors Sales Corp., Chicago	5 455 50 f.o.b. delivered
1,064 mattresses, latex foam, 36 in. x 76 in. x 4½ in. thick, covered with 8 oz. ticking; these are to be used in the student rooms in the Pennsylvania Avenue Residence Halls	Housing Division	Twin City Mattress Factory, Champaign Champaign Mattress Factory, Champaign	27 664 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
39 commercial automatic washing machines, coin-operated, to be furnished and installed in Residence Halls, as needed, during the period July 1 to December 31, 1962	Housing Division	Herb Wise Service, Champaign	\$ 8 190 00 f.o.b. delivered and installed
Furnish and install rugs and padding in the south lounge of the Illini Union addition: 3 rugs—23 ft. x 24 ft. 8 in. 2 rugs—9 ft. 3 in. x 26 ft. 6 in. 1 rug—9 ft. 3 in. x 24 ft. 8 in.	Illini Union	Marshall Field & Co., Chicago	9 956 16 f.o.b. delivered and installed
Lounge tables and chairs for Illini Union addition: 5 card tables 24 end tables 2 sofa tables 5 coffee tables 20 card table chairs	Illini Union	Montgomery Ward & Co., Chicago	4 723 29 f.o.b. delivered
Four portable choral risers (for choral concert ensembles), three levels	Illini Union	Chapman-Young, Inc., Kirkwood, Mo.	4 993 70 f.o.b. delivered
Twelve portable stage units, 8 ft. x 6 ft. x 16 in. high, complete with guard rails, chair stops, and height extensions			
Four sets of stairs			
28,900 reams paper, white, sulphite offset, of various sizes and weights, estimated ten-month supply for the Medical Center and Urbana	Office Supply Stores, Urbana and Chicago	Bradner Smith & Co., Chicago	34 077 50 f.o.b. delivered
One hoist system, three-ton electric, overhead, complete with all necessary track, switch, and electrical equipment	Physical Plant	Cleveland Tramrail Haigh Co., Division of Mason W. Haigh & Sons, Inc., Peoria	4 494 00 f.o.b. delivered
Furnish, deliver, and erect one building, storage, metal sides and roof, 32 ft. x 60 ft., to be located on Horticulture Farm for Plant Pathology Department storage of farm machinery, tools, fungicides, and fertilizers	Physical Plant	Alexander Lumber Co., Champaign	3 415 00 f.o.b. delivered and erected
Three truckloads (6,645 gallons) synthetic floor finish to be delivered to the Physical Plant Storeroom in July, 1962, November, 1962, and March, 1963	Physical Plant Storeroom	International Chemical Co., Chicago	11 080 86 f.o.b. delivered
Lumber, for a one-year period (July 1, 1962, through June 30, 1963), the following estimated quantities to be furnished as needed by the Physical Plant Storeroom: approximately 24,000 bd. ft., No. 2 spruce; 78,000 bd. ft. construction grade fir; 13,000 bd. ft. "C" select pine; 13,000 bd. ft. clear fir flooring	Physical Plant Storeroom	Long Lumber Co., Champaign	17 603 50 f.o.b. delivered
Plywood, douglas fir; for a one-year period (July 1, 1962, through June 30, 1963): 1,710 sheets Interior A-B 170 sheets Exterior A-A 220 sheets Exterior A-B 600 sheets Interior A-D 250 sheets Interior C-D	Physical Plant Stores	Kochton Division, General Plywood Corp., Decatur	13 771 89 f.o.b. delivered
Building materials for the year beginning July 1, 1962: 600 sheets tapered edge wallboard 229 sheets asbestos board 100 sheets pressed fibre board 75 sheets insulation board 320 sheets tempered hardboard 50 tempered pegboard	Physical Plant Stores	Hillcrest Lumber Co., Champaign	4 577 84 f.o.b. delivered
One 1962 truck, 14,000 pounds, GVW, 1½ ton capacity, with 12 foot long van body; this vehicle is an addition to the University's fleet and will be used by the Central Receiving Station to meet the expanding delivery needs	Purchasing	International Harvester Co., Springfield	3 823 62 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
3 sedans, compact, four-door, 1962 model	Physical Plant	Noble Motor Co., Danville	
25 sedans, standard, four-door, 1962 model	Allerton House	One compact sedan	\$ 730 00
11 station wagons, four-door, 1962 model, nine-passenger		University Ford Sales, Inc., Champaign	
To replace present vehicles in the University fleet		Four standard sedans	3 632 00
		Two station wagons	2 460 00
		Gregory Ford Co., Decatur	
		One compact sedan	834 00
		21 standard sedans	21 966 00
		One station wagon	1 324 00
		Rogers Chevrolet Co., Rantoul	
		One compact sedan	815 67
		Eight station wagons	9 730 36
			(41 492 03)
			f.o.b.
			delivered

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

COMPTROLLER'S REPORT OF CONTRACTS

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

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Aeronautics and Space Administration NsG 242-62	Study of thermal contact resistance in a vacuum environment	\$26 127 00	February 1, 1962
United States Department of Health, Education, and Welfare OE-2-13-036	Plan of operation for continuation of language and area center in Russian	50 070 00	April 12, 1962
United States Navy Nonr-1834(40)	Research on heat stable enzymes	13 432 00	February 1, 1962
Wisconsin-Minnesota Cooperative Bull Studs	Investigate the effect of aging on the nuclear material of bovine spermatozoa	9 890 00	February 26, 1962
<i>Total</i>		<u>\$99 519 00</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
States Attorney of Douglas County	Payment in lieu of taxes (Hackett)	\$ 1 325 94	April 12, 1962

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Harvester Co.	Farm machinery lease: one manure spreader	\$ 84 15	March 9, 1962
MacCarthy Ford Tractor Sales, Inc.	Farm machinery lease: one all-purpose tractor; one mounted picker-sheller; one bumper; two weights; two clamps; one brace kit	512 87	April 5, 1962
Massey-Ferguson, Inc.	Farm machinery lease: one mower blade with extension	22 50	July 3, 1961
<i>Total</i>		<u>\$ 619 52</u>	

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation	Behavior of riveted and bolted structural joints	\$21 000 00	January 2, 1962
State of Illinois, Division of Highways IHR-69	Traffic-linkage patterns	2 300 00	January 25, 1962
United States Air Force AF 19(604)3481	Electromagnetic wave interaction techniques	49 947 00	January 26, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF 19(604)5705	Sage operator performance factors contributing to operator fatigue in sage operations	\$ 3 285 67	March 29, 1962
United States Air Force AF 33(616)5965	Classification of tasks for ordering knowledge of human learning	7 456 77	April 17, 1962
United States Air Force AF 33(616)6428	Analyzing principles of the mam- malian auditory system	7 032 34	March 30, 1962
United States Air Force AF 33(616)6542	Quantitative theory of form percep- tion	1 827 18	April 11, 1962
United States Air Force AF 33(616)6643	Nonlinear vibration isolation sys- tems	2 696 39	March 30, 1962
United States Air Force AF 33(616)7043	Megavolt electronics, submillimeter wave research	110 000 00	March 19, 1962
United States Air Force AF 40(600)909	Determine pressure in an ultra-high vacuum chamber	20 586 00	April 5, 1962
United States Air Force AF 41(657)130	Cardiovascular effects of refeeding stress following starvation	3 520 31	April 5, 1962
United States Air Force AF 41(657)279	Relationship of Air Force tests to technical high school performance	1 211 26	March 7, 1962
United States Air Force AF 49(638)371	Human behavior in complex tasks having multiple stimulus—mul- tiple response demands	10 809 69	March 19, 1962
United States Army DA 36-039 SC-87280	Quantitative determination of point and areal precipitation by radar echo measurements	82 000 00	March 30, 1962
United States Atomic Energy Commission AT (11-1) 891	Chemical reactions of energetic at- oms produced by nuclear recoil or by heterogeneous flash photolysis	21 917 00	April 15, 1962
United States Navy NObs-65790	Propagation of fractures in metals	7 518 21	March 29, 1962
United States Navy Nonr-1459(03)	Metabolism of the nervous system in relation to function	15 000 00	February 5, 1962
United States Navy Nonr-1834(02)	Development of radio wave direc- tion-finding techniques	118 245 00	August 31, 1961
Wyandotte Chemicals Corp.—subcontract under contract number AF 33(616)7214	Ferrocenes substituted with reactive groups	7 500 00	March 21, 1962
<i>Total</i>		<u>\$493 852 82</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)	Fifteen items: \$25.00 to \$650.00	\$ 2 630 00	March and April, 1962
M. E. Hollett (Painting)	One item: 290.90	290 90	December, 1961
<i>Total</i>		<u>\$ 2 920 90</u>	

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(32) The Comptroller presented his quarterly report to the Board as of March 31, 1962.

This report was received for record, and a copy has been filed with the Secretary of the Board.

ANNUAL REPORT OF THE TREASURER

(33) In accordance with the By-Laws of the Board of Trustees, the Treasurer of the University has submitted a report of receipts and disbursements of University funds in his custody for the period March 1, 1961, to February 28, 1962, certified by the Comptroller. A copy of this report was sent to each member of the Board of Trustees prior to today's meeting, and a copy is filed with the Secretary of the Board.

This report was received for record.

SALE OF BONDS FOR ORCHARD DOWNS ADDITION

(34) Bids were received at 11:00 a.m., May 24, 1962, for the sale of \$2,100,000 of "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series A" to finance construction of the Orchard Downs Addition:

<i>Company</i>	<i>Price</i>	<i>Interest Rates</i>	<i>Effective Interest Rates</i>	<i>Total Interest Cost</i>
White, Weld, and Company, and Associates	\$2 080 008 00	3¼, 3½, 3.70, 3.80, 3¾	3.7302	\$1 953 514 50
Eastman Dillon, Union Securities and Company	2 091 915 00	3, 3½, 3.60, 3¾, 3⅞	3.7656	1 972 085 00
John Nuveen and Company, and Associates	2 080 000 00	3½, 3.60, 3¾, 3.80, 3¾	3.7657	1 972 115 00
F. S. Smithers and Company, and Associates	2 081 184 00	4½, 4, 3¾, 3⅞, 3¼	3.7894	1 984 522 25
B. J. Van Ingen and Company	2 080 369 20	3¼, 3½, 3¾, 3.80, 3.85	3.81525	1 998 048 30

The Vice-President and Comptroller recommended that the bonds be sold to White, Weld, and Company and Associates at a price of \$2,080,008 plus accrued interest and at an effective interest rate of 3.7302, which represents the lowest interest cost to the University.

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

HOUSING REVENUE BONDS OF 1962, SERIES A

(35) The Vice-President and Comptroller presents the Fifth Supplemental Housing Revenue Bond Resolution supplementing the Resolution approved December 17, 1958, and creating \$2,100,000 Housing Revenue Bonds of 1962, Series A, and recommends its adoption. He also recommends that the Board:

Authorize the retention of the firm of Chapman and Cutler, Chicago, as counsel for the bond issue;

Ratify and confirm the action of the Comptroller in advertising for the sale of bonds;

Authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by the facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins, Timothy W. Swain, Members of the Board;

Authorize the Comptroller and Treasurer to deliver the Series A Bonds of 1962 to White, Weld, and Company, and Associates;

Ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the Bonds.

I concur.

On motion of Mr. Williamson, these recommendations were approved, authority was given as requested, and all actions taken or to be taken in connection with the sale and delivery of the bonds were confirmed. This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Harewood, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner.

Fifth Supplemental Housing Revenue Bond Resolution

A RESOLUTION CREATING AND AUTHORIZING THE ISSUE, AUTHENTICATION AND DELIVERY OF \$2,100,000 HOUSING REVENUE BONDS OF 1962, SERIES A, AND FURTHER SUPPLEMENTING A RESOLUTION DULY ADOPTED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS ON DECEMBER 17, 1958.

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

WHEREAS, in order to provide such facilities it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes 1961, and all laws amendatory thereof and supplemental thereto; and

WHEREAS, The Board of Trustees of the University of Illinois on December 17, 1958, did duly adopt a resolution (herein sometimes called "Original Resolution") providing for the issuance of revenue bonds; and

WHEREAS, The Board of Trustees of the University of Illinois on June 23, 1959, October 21, 1959, June 14, 1960 and May 17, 1961, respectively, duly adopted First, Second, Third and Fourth Supplemental Resolutions for the purpose of supplementing the Original Resolution and providing for the issuance of additional revenue bonds thereunder, and

WHEREAS, there are now issued and outstanding under the Original Resolution as supplemented by the First, Second, Third and Fourth Supplemental Resolutions thereto, \$22,350,000 aggregate principal amount of Bonds designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds" and having the further designations of year and series in the respective principal amounts as follows:

<i>Year and Series</i>	<i>Principal Amount</i>
1958, Series A.....	\$1,590,000
1958, Series B.....	1,495,000
1959, Series A.....	100,000
1959, Series B.....	1,515,000
1959, Series C.....	3,450,000
1959, Series D.....	3,450,000
1960, Series A.....	5,000,000
1960, Series B.....	5,000,000
1960, Series C.....	750,000

WHEREAS, The Board of Trustees of the University of Illinois now desires to create and to authorize the issue, authentication and delivery of an additional issue of Bonds under and in accordance with the Resolution as supplemented by this Fifth Supplemental Resolution thereto which additional Bonds are to be limited to the aggregate principal amount of \$2,100,000 at any one time outstanding, which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series A" (hereinafter called "1962 Series A Bonds").

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

ARTICLE ONE

SUPPLEMENTARY PROVISIONS RELATING TO INCOME AND THE APPLICATION THEREOF

SECTION 1.1. *Pledge of Revenues.* The pledge of the revenues (including the revenues to be derived from the operation of Project F hereinafter mentioned) contained in Section 5.01 of the Original Resolution and Section 1.1 of each of the First, Second, Third and Fourth Supplemental Resolutions is hereby ratified and confirmed and all revenues to be derived from the operation of Project F are hereby specifically pledged for the purposes mentioned in said Section 5.01 of the Original Resolution.

SECTION 1.2. *Supplementation of Revenues.* It is hereby determined by the Board of Trustees and it is hereby covenanted that in view of the additional issue of Bonds to be outstanding it is necessary to supplement the revenues to be derived from the facilities by a further use of student tuitions which are authorized by law to be retained in the Treasury of the University and therefore the limitation contained in clause (b) of Section 5.03 of the Original Resolution as supplemented by Section 1.2 of each of the First, Second, Third and Fourth Supplemental Resolutions be and the same is hereby increased by an amount equal to \$50,000 so that such supplementation shall henceforth be an amount not to exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Bond and Interest Sinking Fund established for the benefit of the Bonds in subsection (b) of Section 5.02 of the Original Resolution, or (b) \$860,000 plus such additional sums as may be specified in any other resolution supplemental to the Resolution as supplemented hereby, creating or authorizing the issuance of additional Bonds.

ARTICLE TWO

1962 SERIES A BONDS AND THE ISSUANCE THEREOF

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

Apartment for 160 married students, to be known as Orchard Downs Addition, to be located south of the Orchard Downs Apartments (item 2 of Project D as described in the Third Supplemental Resolution).

The estimated cost of said Project F is \$2,100,000 exclusive of land and exclusive of any pro rata share of the University power and heating plant serving the Project, but including the cost of extending utilities to the Project. The estimated cost of each portion of said Project F is more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip Project F that the University borrow the sum of \$2,100,000 and in evidence thereof to issue its Housing Revenue Bonds hereunder in said principal amount.

SECTION 2.2. *Terms of 1962 Series A Bonds.* There is hereby created and authorized an additional series of Bonds to be issued under the Resolution as supplemented by this Fifth Supplemental Resolution to be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Two Million One Hundred Thousand Dollars (\$2,100,000) at any one time outstanding, which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series A" (hereinafter called "1962 Series A Bonds").

The 1962 Series A Bonds shall be issued as negotiable coupon Bonds dated April 1, 1962, registrable as to principal in the denomination of \$1,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1962, in which case they shall be dated April 1, 1962. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons, shall be numbered in such manner satisfactory to the Trustee as may be designated by the Comptroller and shall be issued in denominations of \$1,000 or multiples thereof, shall bear interest from April 1, 1962, payable semiannually on the first days of April and October in each year until paid, commencing October 1, 1962, at the rates provided below and shall mature in the following amounts on October 1 of the following years:

<i>Year of Maturity</i>	<i>Amount</i>	<i>Interest Rate</i>	<i>Year of Maturity</i>	<i>Amount</i>	<i>Interest Rate</i>
1965	20,000	3¼%	1983	60,000	3.70%
1966	20,000	3¼%	1984	60,000	3.70%
1967	20,000	3¼%	1985	60,000	3.70%
1968	30,000	3¼%	1986	60,000	3.70%
1969	30,000	3¼%	1987	60,000	3.70%
1970	30,000	3¼%	1988	60,000	3.70%
1971	40,000	3¼%	1989	60,000	3.70%
1972	40,000	3¼%	1990	60,000	3.70%
1973	40,000	3½%	1991	60,000	3.70%
1974	50,000	3½%	1992	70,000	3.70%
1975	50,000	3½%	1993	70,000	3.80%
1976	50,000	3½%	1994	70,000	3.80%
1977	50,000	3½%	1995	70,000	3.80%
1978	50,000	3½%	1996	70,000	3.80%
1979	50,000	3½%	1997	80,000	3.80%
1980	60,000	3½%	1998	80,000	3.80%
1981	60,000	3½%	1999	300,000	3¾%
1982	60,000	3½%			
				<u>\$2,100,000</u>	

The 1962 Series A Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on April 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the principal amount thereof plus accrued interest to the date of redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1972 through October 1, 1976.....	3%
April 1, 1977 through October 1, 1981.....	2%
April 1, 1982 through October 1, 1986.....	1½%
April 1, 1987 through October 1, 1991.....	1%
April 1, 1992 or thereafter prior to maturity.....	None

All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution.

SECTION 2.3. *Payment of Principal and Interest.* Both the principal of and the interest on the 1962 Series A Bonds shall be payable in any coin or currency which, on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, or its successor, in the City of Chicago, Illinois, or, at the option of holders at The Chase Manhattan Bank, or its successor, in the Borough of Manhattan and City and State of New York.

SECTION 2.4. *Form of Bonds.* The definitive coupon Bonds of 1962 Series A, the interest coupons to be attached thereto, the form of fully registered Bonds without coupons of 1962 Series A, shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in series, number, interest rate, maturity and like matters:

(Form of Coupon Bond)
UNITED STATES OF AMERICA
STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF
ILLINOIS HOUSING REVENUE BOND OF 1962

(Series A)

Number.....\$1,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Housing Revenue Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of ONE THOUSAND DOLLARS (\$1,000), on October 1, 19....., and to

pay interest on said sum from the date hereof until paid at the rate of per cent (.....%) per annum, payable October 1, 1962, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof unless this bond shall be presented for payment and be not then paid.

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

This bond is one of an authorized series of Two Million One Hundred Thousand Dollars (\$2,100,000) principal amount of Housing Revenue Bonds of 1962, Series A, issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third, Fourth and Fifth Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, and May 24, 1962, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on April 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed April 1, 1972 through October 1, 1976; two per cent (2%) of the principal amount thereof if redeemed April 1, 1977 through October 1, 1981; one and one-half per cent (1½%) of the principal amount thereof if redeemed April 1, 1982 through October 1, 1986; one per cent (1%) of the principal amount thereof if redeemed April 1, 1987 through October 1, 1991; and without premium if redeemed April 1, 1992 or thereafter.

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

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$860,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing

revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

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

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

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

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

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and

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

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

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of April, 1962.

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest:..... By.....
Secretary President
Member Member

(Form of Interest Coupon)

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

On the first day of, 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of Dollars (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York, as provided in said Housing Revenue Bond of 1962, Series A, dated April 1, 1962, Number.....

Secretary

President

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA
STATE OF ILLINOIS
THE BOARD OF TRUSTEES OF THE UNIVERSITY
OF ILLINOIS HOUSING REVENUE BOND OF 1962
(Series A)

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

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Housing Revenue Bond Fund as hereinafter provided for, and not otherwise) to, or

registered assigns, on October 1, 19....., the principal sum of Dollars (\$.....) and to pay interest thereon which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the Trustee hereinafter mentioned as Bond Registrar, at the rate of per cent (.....%) per annum, payable October 1, 1962, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

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

This bond is one of an authorized series of Two Million One Hundred Thousand Dollars (\$2,100,000) principal amount of Housing Revenue Bonds of 1962, Series A, issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third, Fourth and Fifth Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, and May 24, 1962, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution") for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on April 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed April 1, 1972 through October 1, 1976; two per cent (2%) of the principal amount thereof if redeemed April 1, 1977 through October 1, 1981; one and one-half per cent (1½%) of the principal amount thereof if redeemed April 1, 1982 through October 1, 1986; one per cent (1%) of the principal amount thereof if redeemed April 1, 1987 through October 1, 1991; and without premium if redeemed April 1, 1992 or thereafter.

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

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$860,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional

bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

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

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

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

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

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the

issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

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

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

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

ARTICLE THREE

MISCELLANEOUS

SECTION 3.1. *Application of Bond Proceeds.* The Board of Trustees hereby determines that Project F will become revenue producing on or about September 30, 1963 and therefore that portion of the proceeds of the 1962 Series A Bonds representing the interest accrued on such Bonds to the date of payment therefor shall, together with an amount equal to the interest to accrue on such Bonds through September 30, 1963 be deposited with the Trustee in the Bond and Interest Sinking Fund account as required by Section 6.01 of the Resolution.

The balance of said proceeds of the 1962 Series A Bonds shall, as required by Section 6.01 of the Resolution, be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation and shall be accounted for as one or more separate funds. The application of the funds in such accounts and the disposition thereof shall in all respects comply with all the terms and provisions of Article Six of the Resolution, subject to the terms and provisions of any contract or agreement permitted by or contemplated in said Article Six between The Board of Trustees and any original purchaser of such Bonds.

SECTION 3.2. *Exchanges of 1962 Series A Bonds.* Notwithstanding the provisions of Section 2.08 of the Original Resolution the University may, in addition to any other charges permitted to be made upon the exchange or transfer of bonds, charge to the holders of any fully registered 1962 Series A Bonds presented for exchange for coupon Bonds, the actual costs of printing new coupon Bonds for the purpose of making such exchange. However, 1962 Series A Bonds originally issued in fully registered form at the time of initial delivery thereof may be exchanged without charge for coupon Bonds by the initial purchaser of such Bonds.

SECTION 3.3. *Interpretation and Construction.* This Fifth Supplemental Resolution is supplemental to and is adopted in accordance with Sections 2.06 and 4.02 of the Resolution. In all respects not inconsistent with this Fifth Supplemental Resolution, the Resolution is hereby ratified, approved and confirmed, and all of the definitions, terms, covenants and restrictions of the Resolution shall be applicable to the additional Bonds authorized by this Fifth Supplemental Resolution and the proceeds thereof except as otherwise expressly provided. All of the terms and provisions of this Fifth Supplemental Resolution shall be deemed to be a part of the terms and provisions of the Resolution, and the Resolution and this Fifth Supplemental Resolution shall be read, taken and construed as one and the same instrument. In executing or authenticating any Bond authorized by this Fifth Supplemental Resolution the Trustee and each officer, agent or employee of the University shall be entitled to all of the privileges and immunities afforded to them under the terms of the Resolution.

SECTION 3.4. *Resolution Effective on Passage.* This resolution shall become effective upon its passage.

STATE OF ILLINOIS }
COUNTY OF CHAMPAIGN } ss.

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

I further certify that the attached resolution is a true, correct and exact copy of the original resolution adopted by The Board of Trustees of the University of Illinois at its legally convened meeting held on the 24th day of May, 1962, all as appears of record in my office.

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

Secretary as aforesaid.

NATIONAL SCIENCE FOUNDATION GRANT TO IMPROVE SCHOOL MATHEMATICS

(36) The University has for the past ten years conducted research and experimentation in the development of new curriculum and teaching methods for school mathematics under the supervision of the University of Illinois Committee on School Mathematics. Thus far the work has been concentrated on Grades 9 through 12.

The National Science Foundation has now offered the University \$385,820 to develop and experiment with a new curriculum for Grades 7 through 12. These funds would also provide for completion of a series of teacher-training films and experimentation for program instruction.

A condition of the grant is: "Income derived from rents or royalties, or from the sale of books, films, patents, or other property rights conceived or developed under this grant shall be kept by the grantee in a separate account and shall be utilized by the grantee in ways approved or determined by the Foundation."

The Dean of the College of Education, the Chairman of the University Research Board, the Executive Vice-President and Provost, and the Vice-President and Comptroller recommend that this grant be accepted. I concur, subject to further action by the Board of Higher Education of Illinois.

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

GIFT FROM ROBERT R. McCORMICK CHARITABLE TRUST FOR STUDENT REHABILITATION CENTER

(37) The Trustees of the Robert R. McCormick Charitable Trust have made a grant of \$100,000 to the University for the Student Rehabilitation Center. I have accepted this grant on behalf of the University and recommend that it be applied on the construction of the Medical Services Unit of the proposed Rehabilitation Center, and that the Unit be named for the late Colonel Robert R. McCormick.

The earmarking of the grant for the Medical Services Unit meets with the approval of the Trustees of the Robert R. McCormick Charitable Trust.

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

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) graduate fellows; (3) resignations and declinations; (4) leaves of absence; (5) cancellation of sabbatical leave 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.)

ABRAMS, MRS. ISABEL S., Assistant in Biological Sciences (Chicago Undergraduate Division), February 1-June 15, 1962, \$2,100 (4-16-62).

- ARMSTRONG, JAMES W., Instructor in Mathematics, academic year beginning September 1, 1962, \$6,800 (5-7-62).
- AUTH, LEO V., JR., Instructor in Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, \$1,512 for the period (4-16-62).
- BABB, DANIEL S., Professor of Electrical Engineering (C), two months from June 16, 1962, \$1,175 a month; this is in addition to his present appointment (4-16-62).
- BALDWIN, S. W., JR., Instructor in Spanish, academic year beginning September 1, 1962, \$6,300 (5-7-62).
- BARNES, LESTER E., JR., Assistant in Management, Summer Session of 1962, June 18-August 11, 1962, \$993 for the period, supersedes previous Summer Session appointment (4-23-62).
- BARRETTE, PAUL E., Instructor in French, academic year beginning September 1, 1962, \$6,400 (5-7-62).
- BAUMAN, PHILIP A., Assistant Professor of Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, \$1,600 for the period, supersedes previous Summer Session appointment (4-16-62).
- BEBERMAN, MAX, Professor of Education (University High School), June 18-August 11, 1962, \$3,078; this is in addition to his present appointment (4-23-62).
- BERGER, RICHARD A., Instructor in Physical Education for Men, Summer Session of 1962, $\frac{1}{4}$ time, June 18-August 11, 1962, \$334 for the period, supersedes previous Summer Session appointment (4-9-62).
- BLOSTEIN, RHODA, Research Associate in Chemistry, seven months from February 1, 1962, \$6,000 a year (4-6-62).
- BRADLEY, WAYNE E., Research Assistant in the State Water Survey, one year from July 1, 1962, \$6,000 (4-23-62).
- BRAUN, LUCILLE V., Instructor in Spanish, Summer Session of 1962, June 18-August 11, 1962, \$1,334 for the period (4-16-62).
- BROGHAMER, EDWARD L., Professor of Mechanical Engineering (C), two months from June 16, 1962, \$1,190 a month; this is in addition to his present appointment (4-16-62).
- BROWN, O. ROBERT, JR., Research Assistant in Education (University High School), June 18-August 11, 1962, \$1,333 (4-23-62).
- BUCKERIDGE, BYRON, Visiting Lecturer in Education, Summer Session of 1962, June 18-August 11, 1962, \$1,900 for the period (4-9-62).
- BUCKNELL, BARBARA J., Instructor in French, academic year beginning September 1, 1962, \$6,200 (5-7-62).
- CANNINGS, BARBARA C., Instructor in French, academic year beginning September 1, 1962, \$6,000 (5-7-62).
- CODDINGTON, MRS. BERTHA M., Commerce and Sociology Library Assistant in the Library, with rank of Instructor, two months from July 1, 1962, \$508.33 a month (4-9-62).
- COFFEY, ROBERT E., Assistant in Executive Development Center, College of Commerce and Business Administration, June 18-August 11, 1962, \$444.44 a month (4-23-62).
- COLE, EDWARD C., Instructor in English, academic year beginning September 1, 1962, \$6,300 (5-7-62).
- COSTELLO, GEORGE A., Assistant Professor of Theoretical and Applied Mechanics, $\frac{1}{2}$ time, Summer Session of 1962, June 18-August 11, 1962, \$900 for the period (4-16-62).
- CRUMLISH, BRIAN J., Research Associate in Small Homes Council-Building Research Council, six months from April 16, 1962, \$1,000 a month (5-7-62).
- DACHOWSKI, MARJORIE M., Clinical Counselor in the Student Counseling Service, with rank of Instructor, $\frac{1}{2}$ time, five months from April 1, 1962, \$304.16 a month, supersedes (4-9-62).
- DANIELZADEH, ALBERT, Research Assistant in Biological Chemistry (Medicine), April 1-June 15, 1962, \$408.33 a month, supersedes (4-23-62).
- DE LEY, HERBERT C., JR., Instructor in French, academic year beginning September 1, 1962, \$6,000 (5-7-62).
- DEMOS, RALPH D., Professor of Microbiology, two months from June 16, 1962, \$1,344.44 a month; this is in addition to his present appointment (4-16-62).
- DIPERT, ARNOLD W., Instructor in Electrical Engineering, Summer Session of 1962, $\frac{1}{2}$ time, June 18-August 11, 1962, \$534 for the period (4-16-62).

- DIXON, ROBERT D., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,600 (5-7-62).
- EAGON, JOHN A., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,200 (5-7-62).
- EDWARDS, BRUCE E., Assistant Professor of Economics, Summer Session of 1962, $\frac{1}{2}$ time, June 18-August 11, 1962, \$867 for the period (4-30-62).
- ENGELBRECHT, RICHARD S., Professor of Sanitary Engineering (Civil Engineering), Summer Session of 1962, $\frac{1}{2}$ time, June 18-August 11, 1962, \$1,278 for the period, supersedes previous Summer Session appointment (4-30-62).
- EWING, BEN B., Professor of Sanitary Engineering (Civil Engineering), Summer Session of 1962, $\frac{1}{2}$ time, June 18-August 11, 1962, \$1,112 for the period (4-30-62).
- FERGUSON, W. EUGENE, Visiting Assistant Professor of Education (University High School), June 18-August 11, 1962, \$2,600 (4-23-62).
- FITCH, BRIAN T., Instructor in French, academic year beginning September 1, 1962, \$6,600 (5-7-62).
- FLORES, JOSEPH S., Associate Professor of Spanish (College of Education), $\frac{1}{2}$ time, June 18-August 11, 1962, \$1,100; this is in addition to his present appointment and to his $\frac{1}{2}$ time Summer Session appointment (4-30-62).
- FULTON, ROBERT E., Assistant Professor of Civil Engineering, Summer Session of 1962, $\frac{1}{4}$ time, June 18-August 11, 1962, \$400 (4-30-62).
- GERBER, QUENTIN N., Instructor in Accountancy, $\frac{1}{2}$ time, academic year beginning September 1, 1962, \$2,400 (4-30-62).
- GIORDANO, CHARLES B., Instructor in German, academic year beginning September 1, 1962, \$6,000 (5-7-62).
- GRUNER, BARBARA J., Research Assistant in the State Water Survey, one year from July 1, 1962, \$4,900 (4-23-62).
- GUNNAR, ROLF M., Assistant Professor of Medicine (Medicine), 9/10 time, two months from July 1, 1962, \$1,125 a month, supersedes (4-9-62).
- GUPTA, KINKAR P., Research Associate in Mining, Metallurgy, and Petroleum Engineering (C), five months from April 1, 1962, \$583.33 a month, supersedes (5-7-62).
- HADJIOANNOU, THEMISTOCLES P., Assistant Professor of Chemistry (Pharmacy), academic year beginning September 1, 1962, \$8,000 (4-23-62).
- HALE, WILLIAM T., Assistant in Education (University High School), June 18-August 25, 1962, \$2,140 (4-23-62).
- HALL, WILLIAM J., Professor of Civil Engineering, Summer Session of 1962, $\frac{1}{2}$ time, June 18-August 11, 1962, \$1,389 for the period, supersedes previous Summer Session appointment (4-30-62).
- HAMILTON, SAMUEL L., Clinical Instructor in Surgery (Medicine), five months from April 1, 1962, without salary (4-23-62).
- HARRIS, JOSEPH B., Instructor in English (Division of Business English), academic year, beginning September 1, 1962, \$5,000 (5-7-62).
- HENDRIX, GERTRUDE, Research Assistant Professor of Education (University High School) June 18-August 11, 1962, \$2,445; this is in addition to her present appointment (4-23-62).
- HOLMES, ALLEN, Assistant in Education (University High School), June 18-August 11, 1962, \$1,112 (4-23-62).
- HOTTINGER, WILLIAM L., Instructor in Physical Education for Men, Summer Session of 1962, $\frac{1}{4}$ time, June 18-August 11, 1962, \$339 for the period, supersedes his previous Summer Session appointment (4-9-62).
- HUBSON, PAUL K., Assistant Professor of Electrical Engineering, Summer Session of 1962, $\frac{1}{2}$ time, June 18-August 11, 1962, \$1,000 for the period (4-16-62).
- JAMES, EMORY A., JR., Research Associate in Biological Chemistry (Medicine), five months from April 1, 1962, \$625 a month (4-9-62).
- JENSEN, LLOYD, Instructor in Political Science, academic year beginning September 1, 1962, \$6,500 (5-7-62).
- JOHNSON, CHARLES E., Associate Professor of Education, June 18-August 11, 1962, \$2,045; this is in addition to his present appointment (4-30-62).
- KAUFMANN, U. MILO, Instructor in English, academic year beginning September 1, 1962, \$6,600 (5-7-62).
- KAY, JACK G., Instructor in Chemistry, Summer Session of 1962, June 18-August 11, 1962, \$1,512 for the period (4-23-62).

- KILBRIDE, BERNARD J., Instructor in Finance, Summer Session of 1962, June 18-August 11, 1962, \$1,667 for the period (4-9-62).
- KLEIN, KURT, Assistant Professor of Russian, Summer Session of 1962, June 18-August 11, 1962, \$1,756 for the period, supersedes previous Summer Session appointment (4-9-62).
- KOWN, BONG T., Research Assistant in Civil Engineering (S), May 1-June 15, 1962, \$466.67 a month (5-7-62).
- KRISHNAMURTHY, VISVANATHA, Instructor in Mathematics, academic year beginning September 1, 1962, \$6,000 (5-7-62).
- KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), 15/100 time, four months from May 1, 1962, \$87.50 a month (4-16-62).
- LACROIX, YVES, Assistant Professor of Civil Engineering, Summer Session of 1962, ½ time, June 18-August 11, 1962, \$723 for the period (4-30-62).
- LARSON, BERNT O., Professor of General Engineering (C), ¾ time, June 25-August 3, 1962, \$1,900; this is in addition to his present appointment (4-16-62).
- LEHMANN, JOHN R., Instructor in Electrical Engineering, Summer Session of 1962, ½ time, June 18-August 11, 1962, \$712 for the period (4-16-62).
- LIM, CHUN Soo, Research Assistant in the State Water Survey, one year from July 1, 1962, \$5,200 (4-23-62).
- LONG, CHESTER C., Instructor in Speech and Theatre, academic year beginning September 1, 1962, \$7,000 (5-7-62).
- LUNN, HUEY N., Instructor in Accountancy, ½ time, academic year beginning September 1, 1962, \$2,500 (4-30-62).
- LYMAN, ELISARETH R., Research Assistant Professor in the Coordinated Science Laboratory (C), ¾ time, four months from May 1, 1962, \$5,963 a year, supersedes (4-27-62).
- MADDEN, DIANA M., Research Assistant in Chemistry, March 16-August 31, 1962, \$433.33 a month (4-16-62).
- MARSTON, HOWARD, Visiting Assistant Professor of Education (University High School), June 18-August 11, 1962, \$2,000 (4-23-62).
- MCCOY, M. ELEANOR, Research Assistant Professor of Education (University High School), June 18-August 11, 1962, \$2,223. This is in addition to her present appointment (4-23-62).
- McMILLEN, AUGUSTA J., Visiting Lecturer in the University Theatre, Summer Session of 1962, ½ time, June 18-August 11, 1962, \$1,000 for the period (4-16-62).
- McMILLEN, WILLIAM E., Visiting Lecturer in Speech and Theatre, Summer Session of 1962, ½ time, June 18-August 11, 1962, \$1,000 for the period (4-16-62).
- MUELLER, EUGENE A., Research Associate in the State Water Survey, one year from July 1, 1962, \$10,300 (4-23-62).
- NARASIMHAN, RANGASWAMY, Research Associate in the Digital Computer Laboratory, two months from June 16, 1962, \$722.22 a month (5-7-62).
- NEVILLE, DONALD C., Assistant to the Director of Physical Plant (Administration), six months from March 1, 1962, \$10,000 a year, supersedes (4-9-62).
- NISHIDA, YOSHIRO, Research Assistant in Physiology, one year from March 15, 1962, \$5,400 (4-9-62).
- PATTON, FRANKLIN D., Assistant in Geology, Summer Session of 1962, June 18-August 11, 1962, \$889 for the period (4-23-62).
- PEARSON, JOHN E., Professor of General Engineering (C), two months from June 16, 1962, \$2,533.33; this is in addition to his present appointment (4-16-62).
- PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine), 15/100 time, four months from May 1, 1962, \$87.50 a month (4-9-62).
- POTTLE, CHRISTOPHER, Research Assistant Professor of Electrical Engineering, Department of Electrical Engineering, and Coordinated Science Laboratory (C), to render service during the second semester of the academic year, March 1-August 31, 1962, \$3,900, supersedes (4-13-62).
- RAPPAPORT, ALFRED, Instructor in Accountancy, ½ time, academic year beginning September 1, 1962, \$2,400 (4-30-62).
- RESEK, LOIS D., Research Assistant in the State Water Survey, one year from July 1, 1962, \$5,200 (4-23-62).
- RIESTRA, MIGUEL A., Visiting Lecturer in Education, June 18-August 11, 1962, \$1,870 (4-30-62).

- ROBINSON, ARTHUR R., Associate Professor of Civil Engineering, Summer Session of 1962, $\frac{1}{4}$ time, June 18-August 11, 1962, \$539 for the period, supersedes previous Summer Session appointment (4-30-62).
- RUOTSALA, ALBERT P., Assistant in Civil Engineering (Summer Surveying Camp), Summer Session of 1962, June 18-August 25, 1962, \$1,625 for the period (4-30-62).
- RUUD, MILLARD H., Visiting Lecturer in Law, Summer Session of 1962, June 18-August 11, 1962, \$3,000 for the period (4-23-62).
- RYDER, WALTER R., Assistant in Industrial Engineering (C), February 1-June 15, 1962, \$444.44 a month, supersedes (4-23-62).
- SAAD, EDWARD, Residence Hall Counselor, University of Illinois at the Medical Center, 15/100 time, October 27, 1961-June 15, 1962, \$566.63, supersedes (4-9-62).
- SHAH, MAHENDRA H., Research Assistant in the Office of Instructional Research, three months from June 16, 1962, \$1,335 (4-27-62).
- SHERBERT, DONALD R., Instructor in Mathematics, academic year beginning September 1, 1962, \$6,500 (5-7-62).
- SIMON, JOSEPH, Professor of Veterinary Pathology and Hygiene (College of Veterinary Medicine) and of Veterinary Research (Agricultural Experiment Station), four months from May 1, 1962, \$1,083.33 a month (4-13-62).
- SMITH, HOBART M., Professor of Zoology, Summer Session of 1962, June 18-August 11, 1962, \$2,778 for the period (4-30-62).
- SNYDER, HAROLD R., Associate Dean of the Graduate College, two months from June 16, 1962, \$3,645; this is in addition to his present appointment (4-9-62).
- SOHN, DAVID M., Instructor in Oral and Maxillofacial Surgery (Dentistry), $\frac{1}{5}$ time, \$1,400 a year, and Clinical Instructor in Surgery (Medicine), without salary, five months from April 1, 1962, (4-23-62).
- STATTFIELD, MRS. MERRIE J., Research Assistant in the State Water Survey, one year from July 1, 1962, \$5,400 (4-23-62).
- STEWART, DONALD C., Instructor in English, academic year beginning September 1, 1962, \$6,300 (5-7-62).
- STORM, GERALD L., Field Ecologist in the Illinois Natural History Survey, April 18-August 31, 1962, \$450 a month (4-23-62).
- TORT, MRS. FERDINA J. C., Instructor in Foreign Languages (Chicago Undergraduate Division), Summer Session of 1962, $\frac{2}{3}$ time, June 22-August 17, 1962, \$919 for the period (4-23-62).
- VAN HARN, GORDON L., Visiting Lecturer in Physiology, Summer Session of 1962, June 18-August 11, 1962, \$1,600 for the period (4-23-62).
- VAUGHAN, HERBERT E., Professor of Education (University High School), June 18-August 11, 1962, \$2,778 for the period; this is in addition to his present appointment (4-23-62).
- WATANABE, TAKESI, Visiting Research Associate in Mathematics, nine months from September 16, 1962, \$5,000 (4-23-62).
- WILLS, HERBERT, Research Associate in Education (University High School), June 18-August 11, 1962, \$1,889; this is in addition to his present appointment (4-23-62).
- WOLFE, MARTIN, Research Associate in Education (University High School), June 18-August 11, 1962, \$1,289; this is in addition to his present appointment (4-23-62).
- WOLFE, MRS. SHARON, Research Assistant in the Institute of Communications Research, April 15-May 31, 1962, \$444.44 a month, supersedes (4-27-62).
- WRIGHT, RAMIL C., Assistant in Geology, Summer Session of 1962, June 18-August 11, 1962, \$889 for the period (4-23-62).
- YNTEMA, MARY K., Assistant in Education (University High School), June 18-August 11, 1962, \$889 (4-23-62).
- YOSHIKAWA, HIROSHI, Research Associate in Microbiology, six months from March 1, 1962, \$7,000 a year, supersedes (4-23-62).

GRADUATE FELLOWS

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

- ABDELLA, MRS. G. A. CHRISTINA, Fellow in French, two months from June 16, 1962, \$375 (4-19-62).

- ABDUL-BAKI, AREF A., Fellow in Horticulture, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- ABEL, WILLIAM R., Fellow in Physics, nine months from September 16, 1962, \$1,800 (3-30-62).
- ADLONG, DONALD W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310 (4-20-62).
- AGASHE, SADANAND D., General Electric Foundation Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,500 (4-16-62).
- AHRENKIEL, RICHARD K., General Atomic/General Dynamics Corporation Fellow in Physics, eleven months from September 1, 1962, \$2,500 (4-5-62).
- ANDERSON, JOHN F., National Science Foundation Summer Fellow in Entomology, June 16-September 7, 1962, \$900 (4-19-62); and Fellow in Entomology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- ASHCRAFT, MICHAEL B., Fellow in Art, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- ASIK, JOSEPH R., Union Carbide Corporation Fellow in Physics, nine months from September 16, 1962, \$2,100 (4-5-62).
- ASPINES, DAVID E., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1962, \$1,800 (4-19-62).
- AVNER, RICHARD A., National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1962, \$2,400 (4-19-62).
- AYEN, RICHARD J., Monsanto Chemical Company Fellow in Chemical Engineering, eleven months from September 16, 1962, \$2,300 (4-10-62).
- BAHR, DONALD M., Fellow in Anthropology, nine months from September 16, 1962, \$2,000, and two months from June 16, 1962, \$500 (3-30-62).
- BAILEY, ALVIN C., Fellow in Agricultural Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- BAKER, ROBERT J., JR., Edward Orton Jr., Ceramic Foundation Fellow in Ceramic Engineering, nine months from September 16, 1962, \$1,500 (4-1-62).
- BARDOS, ANDRAS M., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$450 (3-30-62).
- BARRY, MRS. LYNETTE F., Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- BASS, JACK, Raytheon Company Fellow in Physics, nine months from September 16, 1962, \$2,300 (4-5-62).
- BAULING, DOUGLAS B., Fellow in Agricultural Engineering, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- BECK, ROGER L., Fellow in the Classics, nine months from September 16, 1962, \$1,167, and two months from June 16, 1963, \$375 (3-30-62).
- BEERS, GEORGE, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310 (4-20-62).
- BELL, HAROLD L., Fellow in Political Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- BETZ, THOMAS W., National Science Foundation Summer Fellow in Zoology, June 16-September 7, 1962, \$900 (4-19-62).
- BEYLE, THAD L., Therese Garner Fellow in Political Science, nine months from September 16, 1962, \$2,000 (4-1-62).
- BHAGAVAN, HEMMIGE N., Wright Fellow in Animal Science, nine months from September 16, 1962, \$1,500 (4-1-62).
- BLOSTEIN, RHODA, Postdoctoral Fellow (Trainee) in Chemistry, five months from September 1, 1961, \$6,000 a year (4-6-62).
- BOLINE, DERRALD D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310 (4-20-62).
- BONHAM, JERRY L., Fellow in Political Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- BORNHOFEN, JOHN O., National Science Foundation Summer Fellow in Economics, June 16-September 7, 1962, \$900 (4-19-62); and Fellow in Economics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- BOSTIC, DOYLE L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170 (4-20-62).

- BOWERS, MICHAEL T., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- BRADLEY, JEROME D., National Science Foundation Cooperative Fellow in Agricultural Engineering, one year from September 1, 1962, \$2,400 (4-19-62).
- BRANCAFORTE, BENITO, Fellow in Spanish, two months from June 16, 1962, \$375 (4-19-62).
- BRAROE, NIELS W., Fellow in Anthropology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- BREWER, STEPHANIE B., Fellow in Mathematics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- BRINTON, GARY B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170 (4-20-62).
- BRITTAIN, THOMAS M., Fellow in Mechanical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-65).
- BROCK, JARRETT E., Fellow in Philosophy, two months from June 16, 1962, \$375 (4-19-62).
- BROCKMEYER, ROGER L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- BRODY, ROBERT, Fellow in Spanish, nine months from September 16, 1962, \$2,000 (3-30-62).
- BROWN, IRENE V., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- BROWN, ROGER L., Fellow in Communications, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- BRYANT, JOE K., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- BUCKSON, RODNEY L., National Science Foundation Summer Fellow in Chemistry, June 16-August 10, 1962, \$600 (4-19-62).
- BUTTERFIELD, BRUCE A., Knox College Fellow in Russian, nine months from September 16, 1962, \$1,500 (4-1-62).
- CAMPRELL, JOHN M., National Science Foundation Summer Fellow in Entomology, June 16-September 7, 1962, \$900 (4-19-62); and Fellow in Entomology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- CARLSON, ALAN R., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1962, \$1,500 (4-25-62).
- CARLSON, RONALD H., Corning Glass Works Fellow in Chemistry, eleven months from September 15, 1962, \$2,500 (4-25-62).
- CARNIGHAN, ROBERT H., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- CHAMBERS, HAZEL M., Fellow in the Jane Addams Graduate School of Social Work, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- CHEN, WELLINGTON P., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- CHILTON, WILLIAM S., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- CHRISPEELS, MAARTEN J., Fellow in Agronomy, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- CHUA, LEON O., Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- CLARK, LARRY D., Fellow in Speech, two months from June 16, 1962, \$375 (4-19-62).
- CLARKE, ROBERT W., Fellow in Accountancy, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- CLARKSON, DAVID M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310 (4-20-62).
- CLEM, JOHN R., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$450 (3-30-62).
- COFFEY, ROBERT E., Fellow in Business, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).

- COGAN, MRS. BARBARA G., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- COHEN, LEONARD S., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1962, \$2,400 (4-19-62).
- COLACURCIO, MICHAEL J., JR., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- COLLINS, MR. JACQUELIN, Fellow in History, two months from June 16, 1962, \$375 (4-19-62).
- CORDERO, RONALD A., Fellow in Philosophy, nine months from September 16, 1962, \$2,000, and two months from June 16, 1962, \$500 (3-30-62).
- CORUM, JAMES M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500 (3-30-62).
- COVERDALE, CHARLES E., National Science Foundation Summer Fellow in Chemistry, June 16-August 10, 1962, \$600 (4-19-62); and Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- CRESSEY, WILLIAM W., Fellow in Spanish, two months from June 16, 1962, \$375 (4-19-62).
- CRILEY, BRUCE B., Fellow in Zoology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- CRITTENDEN, BRIAN S., Fellow in Education, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- CROTHAMEL, DAVID A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310 (4-20-62).
- CROW, LOWELL T., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1962, \$900 (4-19-62).
- CURRIS, CONSTANTINE W., Fellow in Political Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- DAIGH, CHARLES F., Fellow in German, nine months from September 16, 1962, \$1,416 (3-30-62).
- DALEY, LAWRENCE J., Fellow in Music, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- DAOUD, HANNA N., Fellow in Food Technology, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- DAPOGNY, JAMES E., Fellow in Music, nine months from September 16, 1962, \$1,500 (3-30-62).
- DAVIS, EMILE M., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry (University of Illinois at the Medical Center), one year from April 1, 1962, \$5,500, supersedes (4-27-62).
- DAVIS, GEORGE C., JR., Lilly Endowment Fellow in History, one year from July 1, 1962, \$2,500 (3-30-62).
- DAVIS, HARVEY S., National Science Foundation Summer Fellow in Mathematics, June 16-August 10, 1962, \$600 (4-19-62).
- DAVIS, ROBERT D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- DEBOEVER, JOZEF, University Fellow in Dairy Science, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (4-12-62).
- DE RYCKE, ROBERT M. E., Fellow in French, two months from June 16, 1962, \$375 (4-19-62).
- DEVITO, JOSEPH A., Fellow in Speech, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- DOCKRILL, MICHAEL L., Fellow in History, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- DONOGHUE, JOHN T., Fellow in Chemistry, nine months from September 16, 1962, \$1,800 (3-30-62).
- DONOGHUE, JOHN T., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$450 (3-30-62).
- DOUGLAS, STEPHEN A., James W. Garner Fellow in Political Science, nine months from September 16, 1962, \$2,000 (4-1-62).
- DOYLE, ELLA A., Zeta Phi Eta Fellow in Speech, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).

- DRAPER, MILTON A., United States Public Health Service Fellow (Trainee) in Physiology (University of Illinois at the Medical Center), March 26-June 30, 1962, \$490, supersedes (4-5-62).
- DUNKIN, MICHAEL J., Fellow in Education, nine months from September 16, 1962, \$1,500 (3-30-62).
- DUNN, HOWARD E., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1962, \$2,000 (4-25-62).
- DURAND, DAVID A., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- EBNER, CHARLES A., Fellow in Physics, nine months from September 16, 1962, \$2,000 (3-30-62).
- EISNER, JACOB M., Fellow in Labor and Industrial Relations, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- EWEN, ROBERT B., Fellow in Psychology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- FAGAN, JAMES E., Fellow in Art, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- FAHRNKOPF, NANCY J., Fellow in Political Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- FAILON, KEITH A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- FARMER, MELVIN L., Standard Oil Company of California Fellow in Chemistry, nine months from September 16, 1962, \$2,400 (4-25-62).
- FENNER, GLORIA J., National Science Foundation Summer Fellow in Anthropology, June 16-September 7, 1962, \$900 (4-19-62).
- FERCHEN, FREMONT C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310 (4-20-62).
- FERNANDES, FRED D., Fellow in Aeronautical and Astronautical Engineering, February 1-June 15, 1963, \$750, and two months from June 16, 1963, \$375 (3-30-62).
- FETHE, CHARLES B., Fellow in Philosophy, nine months from September 16, 1962, \$2,000 (3-30-62).
- FICENEC, JOHN R., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$450 (3-30-62).
- FISHER, FARLEY, National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1962, \$2,400 (4-19-62).
- FISHER, THOMAS H., Union Carbide Corporation Fellow in Chemistry, nine months from September 16, 1962, \$2,100 (4-25-62).
- FITES, ROGER C., Wright Fellow in Agronomy, nine months from September 16, 1962, \$1,500 (4-1-62).
- FORD, FREDERICK E., Fellow in Chemical Engineering, September 16, 1962-January 31, 1963, \$900, and two months from June 16, 1962, \$375 (3-30-62).
- FORRESTER, ROBERT A., Fellow in Architecture, two months from June 16, 1962, \$375 (4-19-62).
- FOYS, ROBERT M., Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- FRAEMBS, FRANK A., Fellow in Entomology, two months from June 16, 1962, \$375 (4-19-62).
- FRANCIS, MRS. MARY I., Fellow in Education, two months from June 16, 1962, \$375 (4-19-62).
- FRAZER, WILLIAM D., Fellow in Digital Computer Laboratory, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- FRIEDLAND, JOAN M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1962, \$2,666 (3-30-62).
- FRIEDMAN, MARGARET J., Fellow in Anthropology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- FUJIWARA, JOHN Y., Fellow in Architecture, two months from June 16, 1962, \$375 (4-19-62).
- FULLAGAR, PAUL D., Shell Company Foundation Fellow in Geology, nine months from September 16, 1962, \$2,100 (4-1-62).

- FULLER, ROBERT G., National Science Foundation Summer Fellow in Physics, June 16-August 10, 1962, \$600 (4-19-62).
- GAAL, JAMES C., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- GAGLIANO, FELIX V., JR., Fellow in Political Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- GARGANIGO, JOHN F., Fellow in Spanish, two months from June 16, 1962, \$375 (4-19-62).
- GARVIN, FRANK G., JR., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- GAUDETTE, HENRI E., Fellow in Geology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- GENIURY, ROBERT L., Millikin University Fellow in Finance, nine months from September 16, 1962, \$1,500 (3-30-62).
- GEOGHEGAN, PATRICK M., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- GEORGE, JAMES E., Illinois Chemical Industries Summer Fellow, two months from June 16, 1962, \$500 (4-20-62); and Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- GILBERT, NORMAN S., Fellow in Education, two months from June 16, 1962, \$375 (4-19-62).
- GLASS, MATTHEWS I., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- GOERING, KATHRYN M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- GOLD, LLOYD A., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- GORDON, WALTER R., Fellow in Geology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- GREENBERG, CHARLES B., Lead Industries Association Fellow in Ceramic Engineering, nine months from September 16, 1962, \$2,000 (4-1-62).
- GREENLEAF, JOHN E., National Science Foundation Summer Fellow in Physiology, June 16-September 7, 1962, \$900 (4-19-62).
- GROTZINGER, LAUREL A., Fellow in Library Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- GRUBERG, EDWARD R., Fellow in Electrical Engineering, two months from June 16, 1962, \$375 (4-19-62).
- GUERRIERO, ANDREW J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- GUILLOTTE, HENRY P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- GUPTA, BRAJENDRA K., Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- GUR-ARIEH, CHAIM, Fellow in Food Technology, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- GUTMAN, DAVID, National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62); and Sun Oil Fellow in Chemistry, nine months from September 16, 1962, \$2,300 (4-25-62).
- HAGGSTROM, GUS W., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1962, \$2,400 (4-19-62).
- HALEY, KENNETH W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1962, \$2,400 (4-19-62).
- HARDY, LINDA, Fellow in Chemistry, two months from June 16, 1962, \$375 (4-19-62).
- HARPER, GOIN N., National Science Foundation Summer Fellow in Civil Engineering, June 16-September 7, 1962, \$900 (4-19-62).
- HARRISON, WILLARD W., Corning Glass Works Summer Fellow in Chemistry, two months from June 16, 1962, \$500 (4-25-62).
- HAUCK, RICHARD B., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- HAY, ARTHUR J., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62).

- HAYENGA, MARVIN L., Fellow in Agricultural Economics, nine months from September 16, 1962, \$2,000, and two months from June 16, 1962, \$500 (3-30-62).
- HEAGARTY, MARY A., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- HEALEY, JOHN J., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- HEATH, MRS. KATHLEEN F. S., Fellow in Physical Education, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- HEBERT, PAUL D., Fellow in History, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- HEIDORN, ROBERT D., Fellow in Political Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- HEILES, WILLIAM H., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- HENRY, ARTHUR C., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- HENRY, CHARLES H., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1962, \$2,400 (4-19-62).
- HERLOCKER, DAVID W., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- HERRON, ROBERT E., Fellow in Physical Education for Men, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- HERSTAND, THEODORE, Fellow in Speech, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- HICKS, GEORGE L., JR., Fellow in Anthropology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- HIERONYMUS, NORA G., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- HILL, ELIZABETH J., Fellow in Health Education, two months from June 16, 1962, \$375 (4-19-62).
- HILL, JAMES L., National Science Foundation Cooperative Fellow in Theoretical and Applied Mechanics, one year from September 1, 1962, \$2,400 (4-19-62).
- HODGE, JOHN E., Fellow in History, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- HODGES, CHARLES E., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- HOEKMAN, THEODORE B., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1962, \$2,666 (3-30-62).
- HOLLINGSWORTH, CLARK D., Fellow in Accountancy, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- HOLMEN, ROBERT L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- HOLMES, ROBERT P., Fellow in Architecture, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- HOLTAN, BOYD D., Fellow in Education, two months from June 16, 1962, \$375 (4-19-62).
- HOSKEN, WESLEY E., Sloan Foundation Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$2,400 (4-1-62).
- HOWARD, LAWRENCE C., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- HSIAO, THEODORE C., National Science Foundation Cooperative Fellow in Agronomy, nine months from September 16, 1962, \$1,800 (4-19-62).
- HUBBARD, DOROTHY L., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- HUFFNAGLE, JOHN D., Fellow in Economics, two months from June 16, 1962, \$375 (4-19-62).
- HUMPHREYS, SIAN, Fellow in French, two months from June 16, 1962, \$375 (4-19-62).

- HURST, DAVID O., Fellow in Chemistry, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- HUSEMAN, RICHARD C., Fellow in Speech, two months from June 16, 1962, \$375 (4-19-62).
- HUTSON, RICHARD E., Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- IMHOF, VIOLET I., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1962, \$2,400 (4-19-62).
- INTERRANTE, LEONARD V., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1962, \$2,400 (4-19-62).
- ISSEL, WILLIAM E., Fellow in City Planning, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- JACOBS, EDWARD M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170 (4-20-62).
- JIRSA, JAMES O., National Science Foundation Cooperative Fellow in Civil Engineering, nine months from September 16, 1962, \$1,800 (4-19-62).
- JOHNSON, LOUISE, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- JOHNSON, RICHARD M., Fellow in Political Science, two months from June 16, 1962, \$375 (4-19-62), nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- JOHNSON, SARAH A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$1,800 (4-25-62).
- JONES, BARCLAY G., Fellow in Nuclear Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- JONES, MARY L., Fellow in Spanish, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- JONES, ROBERT M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- JOZWIAK, ROBERT L., Fellow in Education, two months from June 16, 1962, \$375 (4-19-62).
- JUAN, CYNTHIA S., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- JUNG, ROBERT W., Fellow in Philosophy, two months from June 16, 1962, \$375 (4-19-62).
- KAIN, MARGARET A., National Science Foundation Summer Fellow in Botany, June 16-August 10, 1962, \$600 (4-19-62).
- KAPLAN, LEONARD, Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- KARIPIDES, ANASTAS G., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1962, \$2,400 (4-19-62).
- KARLIN, ARTHUR D., Fellow in Accountancy, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- KARNER, FRANK R., Fellow in Geology, two months from June 16, 1962, \$375 (4-19-62).
- KELLSTEDT, LYMAN A., Kendric C. Babcock Fellow in Political Science, nine months from September 16, 1962, \$2,000 (4-1-62).
- KENNEDY, EDWARD D., Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- KEPPLER, WILLIAM J., JR., Fellow in Zoology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- KERNER, CHARLES L., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- KEYES, PAUL L., Hackett Fellow in Animal Science, nine months from September 16, 1962, \$1,500 (4-1-62).
- KIESS, HAROLD O., Fellow in Psychology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- KILBRIDE, ELIZABETH M., Fellow in Music, two months from June 16, 1962, \$375 (4-19-62).
- KILLIAN, LARRY R., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$1,800 (4-25-62).
- KILROY, JERRE F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).

- KIME, CHARLES R., Radio Corporation of America Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,100 (4-1-62).
- KLEIN, RICHARD M., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62).
- KLIEWER, KENNETH L., United States Steel Foundation Fellow in Physics, nine months from September 16, 1962, \$2,100 (4-1-62).
- KLINE, CHRISTIANE J., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- KNIES, EARL A., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- KOELLING, ALFRED C., Fellow in Botany, two months from June 16, 1962, \$375 (4-19-62).
- KOPPMAN, JERRY W., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1962, \$900 (4-19-62).
- KRELL, CARL W., Fellow in Accountancy, two months from June 16, 1962, \$375 (4-19-62).
- KUEHN, MRS. ELAINE K., Fellow in History, February 1-June 15, 1963, \$1,000, and two months from June 16, 1963, \$500 (4-13-62).
- KUENZ, NORBERT J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310 (4-20-62).
- KUGLER, ALFRED A., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$450 (3-30-62).
- LABACH, WILLIAM A., National Science Foundation Summer Fellow in Mathematics, June 16-August 24, 1962, \$750 (4-19-62).
- LACSON, ANTONIO T., Fellow in Law, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (4-10-62).
- LADSON, LILLIE J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170 (4-20-62).
- LAHEY, JAMES M., Fellow in Accountancy, two months from June 16, 1962, \$375 (4-19-62).
- LANDSEA, WILLIAM F., Fellow in Finance, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- LARSEN, MERNET R., Fellow in Art, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- LARSON, ARLYN J., Fellow in Economics, two months from June 16, 1962, \$375 (4-19-62).
- LARSON, RONALD A., Fellow in Geography, two months from June 16, 1962, \$375 (4-19-62).
- LATSHAW, MIRIAM A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- LATTA, THOMAS M., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1962, \$2,400 (4-19-62).
- LAZZARO, RICHARD A., Fellow in Art, two months from June 16, 1962, \$375 (4-19-62).
- LEADBETTER, GRAHAM, Fellow in Chemistry, two months from June 16, 1962, \$375 (4-19-62).
- LEAF, MARK L., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- LEBERMANN, KENNETH W., Fellow in Food Technology, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- LEFER, ALLAN M., National Science Foundation Summer Fellow in Physiology, June 16-September 7, 1962, \$900 (4-19-62).
- LENZI, ERNEST V., National Science Foundation Cooperative Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,800 (4-19-62).
- LEVIN, DONALD A., National Science Foundation Summer Fellow in Botany, June 16-September 7, 1962, \$900 (4-19-62).
- LEWIS, ORDA S., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- LEWIS, THOMAS E., Fellow in Labor and Industrial Relations, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- LILJE, GERALD W., Fellow in Philosophy, two months from June 16, 1962, \$375 (4-19-62).

- LILLQUIST, KENNETH W., Fellow in Art, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- LONGHI, RAYMOND, National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62).
- LOOS, JAMES S., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$450 (3-30-62).
- LUBIN, MARTIN, James W. Garner Fellow in Political Science, nine months from September 16, 1962, \$2,000 (4-10-62).
- LUCAS, KENNETH R., Fellow in Chemistry, two months from June 16, 1962, \$375 (4-19-62).
- LUNDIN, ROBERT F., Fellow in Geology, two months from June 16, 1962, \$375 (4-19-62).
- LUNDQUIST, KAREN L., Fellow in Anthropology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- LYDY, DAVID L., Fellow in Chemistry, September 16, 1962-January 31, 1963, \$900, and two months from June 16, 1962, \$540 (4-13-62).
- LYNCH, RICHARD W., Procter and Gamble Company Fellow in Chemical Engineering, nine months from September 16, 1962, \$1,800 (4-1-62).
- MACHELE, DELWYN E., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62); and Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- MACLEOD, ROBERT M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1962, \$2,666 (5-1-62).
- MAH, KAI-HO, Fellow in French, two months from June 16, 1962, \$375 (4-19-62).
- MANTIK, DAVID W., Fellow in Physics, nine months from September 16, 1962, \$2,000 (3-30-62).
- MARGOLESE, BARRY J., Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- MARGULIS, MICHAEL, Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- MARTIN, PRESTON K., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- MATHEWS, WESLEY N., JR., National Science Foundation Cooperative Fellow in Physics, one year from September 16, 1962, \$2,400 (4-19-62).
- MATTESON, HALSEY H., National Science Foundation Cooperative Fellow in Psychology, nine months from September 16, 1962, \$1,800 (4-20-62).
- MAYER, MARY A., Fellow in Radio and Television, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- MAYFIELD, CRAIG K., Ford Postdoctoral Fellow in the Institute for Research on Exceptional Children, nine months from September 16, 1962, \$5,000 (4-16-62).
- MCCARTHY, JOSEPH G., Fellow in Electrical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (4-12-62).
- MCCARTY, CHARLES G., Fellow in Chemistry, September 16, 1962-January 31, 1963, \$900, and two months from June 16, 1962, \$540 (4-13-62).
- MCCLELLAN, GUERRY H., National Lead Company Fellow in Geology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (4-1-62).
- MCCORMICK, JAMES L., Union Carbide Corporation Fellow in Chemical Engineering, nine months from September 16, 1962, \$2,100 (4-1-62).
- MCDOWELL, LELAND K., Fellow in Digital Computer Laboratory, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- MCGEACHY, JOHN D., Fellow in Mechanical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- MCGREGOR, JOHN R., Fellow in Geography, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- MCGURK, DONALD J., Roger Adams Fellow in Chemistry, nine months from September 16, 1962, \$2,000 (3-30-62).
- MCHALE, THOMAS J., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1962, \$900 (4-19-62).

- McKELLAR, ARCHIE C., Fellow in Electrical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- McLEAN, WILLIAM R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- McMILLAN, MRS. JOYCE A., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- McMILLAN, WILLIAM L., Xerox Corporation Fellow in Solid State Physics, nine months from September 16, 1962, \$2,000 (4-5-62).
- McNATT, JERROLD L., Wheaton College Fellow in Physics, nine months from September 16, 1962, \$1,500 (4-1-62).
- McROBERTS, JERRY W., Fellow in Art, two months from June 16, 1962, \$375 (4-19-62).
- MEADOR, PRENTICE A., JR., Fellow in Speech, two months from June 16, 1962, \$375 (4-19-62).
- MEISSNER, JUDY A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$1,800 (4-25-62).
- MEYER, WALTER L., Sloan Foundation Faculty Development Teaching Fellow in Civil Engineering, nine months from September 16, 1962, \$2,400 (4-1-62).
- MEYERS, BARBARA E., Fellow in Music, nine months from September 16, 1962, \$1,500 (3-30-62).
- MIDDAUGH, RICHARD L., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62).
- MILLER, LARRY L., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- MILLER, MARILYN T., United States Public Health Service Fellow (Trainee) in Ophthalmology (University of Illinois at the Medical Center), May 1, 1962-June 30, 1963, \$5,500 (3-21-62).
- MILLER, WILLIAM A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- MINNING, LOIS E., Fellow in Mathematics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- MINNIS, JOANNE E., Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- MIQUELON, MARGARET A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- MISCHKE, RICHARD E., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1962, \$2,400 (4-19-62).
- MISSE, FREDERICK B., JR., Fellow in History, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- MITCHELL, JAMES E., Shell Oil Company Foundation Fellow in Chemical Engineering, nine months from September 16, 1962, \$1,800 (4-1-62).
- MODE, VINCENT A., JR., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- MOORE, HARRY G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- MOORE, WALTER P., JR., Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500 (3-30-62).
- MOSKAL, EDWARD M., Fellow in Mathematics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- MUNDAY, JOHN C., JR., United States Public Health Service Fellow (Trainee) in Biophysics, September 16, 1962-January 31, 1963, \$1,000 (3-30-62).
- MURPHY, NEIL B., Fellow in Economics, two months from June 16, 1962, \$375 (4-19-62).
- MUSLINER, WALTER J., Sinclair Research Fellow in Chemistry, nine months from September 16, 1962, \$1,800 (4-25-62).
- MYERS, EDWINA L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- NANZETTA, PHILIP N., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1962, \$2,400 (4-19-62).
- NARASIMHAN, MRS. SITA, Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).

- NELSON, DARRELL W., Fellow in Agronomy, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- NELSON, WAYNE B., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1962, \$2,400 (4-19-62).
- NEUFELDT, LEONARD N., Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- NEWPORT, MARVIN G., Fellow in Business, two months from June 16, 1962, \$375 (4-19-62).
- NISS, JAMES F., Fellow in Economics, two months from June 16, 1962, \$375 (4-19-62).
- NORDMANN, CAROLANNE M., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$1,800 (4-25-62).
- O'CONNELL, JAMES W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- ODELL, STANLEY J., Fellow in Philosophy, two months from June 16, 1962, \$375 (4-19-62).
- OGDEN, JOHN T., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- OLSON, ALAN W., Fellow in Electrical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- OLSON, JOHN B., National Science Foundation Cooperative Fellow in Zoology, one year from June 16, 1962, \$2,400 (4-19-62).
- O'NEILL, WILLIAM P., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1962, \$2,400 (4-19-62).
- ONO, DOROTHY A. Y., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- PALMER, MARY P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170 (4-20-62).
- PALMER, RICHARD A., Socony Mobil Fellow in Chemistry, nine months from September 16, 1962, \$2,000 (4-26-62).
- PARKHURST, MRS. CARMEN M., Fellow in Spanish, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- PATTON, FRANKLIN D., Fellow in Geology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- PATTON, MRS. UNA L. M., Fellow in the Jane Addams Graduate School of Social Work, nine months from September 16, 1962, \$1,500 (3-30-62).
- PECORARO, GEORGE A., Owens-Corning Fiberglas Corporation Fellow in Ceramic Engineering, eleven months from September 16, 1962, \$2,100 (4-1-62).
- PEDERSEN, DARHL M., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1962, \$900 (4-19-62).
- PENNEL, CHARLES A., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- PEREZ-ALBUERNE, EVELIO A., Fellow in Chemical Engineering, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- PERRY, MARCIA A., Fellow in English, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- PERSHING, ROSCOE L., Fellow in Agricultural Engineering, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- PETERSON, DAVID M., Hackett Fellow in Agronomy, nine months from September 16, 1962, \$1,500 (4-1-62).
- PETROVICH, JOHN P., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1962, \$1,800 (4-19-62); and Illinois Chemical Industries Summer Fellow in Chemistry, two months from June 16, 1962, \$500 (4-20-62).
- PFEIFFER, ROBERT J., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1962, \$2,400 (4-19-62).
- PHILLIPS, JERRY W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740 (4-20-62).
- PIERDOS, THEODORA A., Fellow in History, two months from June 16, 1962, \$375 (4-19-62).

- PINKS, BARBARA K., Illinois Wesleyan University Fellow in History, nine months from September 16, 1962, \$1,500 (4-1-62).
- PIRROTTA, ADELAIDE, Fellow in Anthropology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- PLEVAN, ROBERT E., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1962, \$2,400 (4-19-62).
- POPE, SHIRLEY A., Fellow in French, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- PORTER, AGNES R., Fellow in French, nine months from September 16, 1962, \$2,000, and two months from June 16, 1962, \$500 (3-30-62).
- PORTER, MRS. JOYCE E. C., Fellow in French, two months from June 16, 1962, \$375 (4-19-62).
- POWELL, FRANKLIN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170 (4-20-62).
- PRALL, ROBERT A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- PUCKETT, REGINALD T., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1962, \$2,000 (4-25-62).
- PURCELL, KEITH F., Fellow in Chemistry, two months from June 16, 1962, \$375 (4-19-62); and Dow Chemical Company Fellow in Chemistry, nine months from September 16, 1962, \$1,800 (4-25-62).
- RAGSDALE, JAMES D., JR., Fellow in Speech, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- RAINEY, THOMAS B., JR., Fellow in History, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- RAMSEYER, LINDA M., Fellow in Zoology, nine months from September 16, 1962, \$1,500 (3-30-62).
- RANDALL, WILLIAM J., August Kochs Fellow in Chemistry, nine months from September 16, 1962, \$2,000 (4-25-62); and National Science Foundation Summer Fellow in Chemistry, June 16-August 10, 1962, \$600 (4-19-62).
- RANDEL, SHARON K., General Foods Fellow in Home Economics, nine months from September 16, 1962, \$2,500 (4-13-62).
- RANKIN, WILLIAM D., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- RAO, FRIEDA E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- REDENRO, JAMES M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1962, \$2,666 (4-25-62).
- REEVES, LINDA R., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- RELYEA, DOUGLAS L., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1962, \$2,400 (4-19-62).
- RHODES, PETER R., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1962, \$1,800 (4-19-62).
- RHODES, YORKE E., JR., Fellow in Chemistry, September 16, 1962-January 31, 1963, \$900 (3-30-62).
- RICHARD, JOHN B., James W. Garner Fellow in Political Science, nine months from September 16, 1962, \$2,000 (4-1-62); and Fellow in Political Science, two months from June 16, 1962, \$375 (4-19-62).
- RINGLER, ELLIN J., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- RIPKA, WILLIAM C., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62); and Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- ROBERTSON, ROBERT G., Fellow in French, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- RODGERS, ROY A., Fellow in Finance, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- RODGERS, TIMOTHY J., Fellow in Spanish, nine months from September 16, 1962, \$2,000 (3-30-62).
- ROSENTHAL, JEFFREY D., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$450 (3-30-62).

- ROSENFELD, MRS. STELLA, Fellow in German, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- ROSENTHAL, MICHAEL R., National Science Foundation Summer Fellow in Chemistry, June 16-August 10, 1962, \$600 (4-19-62).
- ROSS, MRS. JOHNNIE B. A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170 (4-20-62).
- ROY, HEDLEY E. H., Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- RUBLEIN, GEORGE T., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1962, \$1,800 (4-19-62).
- RUSSWURM, LORNE H., Fellow in Geography, nine months from September 16, 1962, \$1,500 (3-30-62).
- SABACKY, M. JEROME, Monsanto Chemical Company Fellow in Chemistry, eleven months from September 16, 1962, \$2,200 (4-25-62).
- SADAGURSKY, PAUL L., International Business Machines Fellow in Mathematics, nine months from September 16, 1962, \$2,500 (4-1-62).
- SAMPLE, STEVEN B., Sloan Foundation Faculty Development Teaching Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,400 (4-1-62).
- SARAH, NEIL, Fellow in Business Administration, nine months from September 16, 1962, \$2,000 (3-30-62).
- SARWINSKI, RAYMOND J., Minnesota Mining and Manufacturing Company Fellow in Physics, nine months from September 16, 1962, \$2,000 (4-5-62).
- SAVIGNON, GABRIEL M., Fellow in French, February 1-June 15, 1963, \$625 (4-6-62).
- SAVIGNON, MRS. SANDRA J., Fellow in French, nine months from September 16, 1962, \$1,500 (3-30-62).
- SAWYER, JOHN E., Fellow in Music, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- SCHIMBOR, RICHARD F., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1962, \$2,400 (4-19-62).
- SCHLEICHER, JANE, Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- SCOTT, ALAN N., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- SCOTT, RICHARD A., Fellow in Marketing, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- SELBY, ANNE E., General Foods Fellow in Home Economics, nine months from September 16, 1962, \$2,500 (4-1-62).
- SELLARES, JOSE G., Fellow in Physics, nine months from September 16, 1962, \$1,800 (3-30-62).
- SENNELLO, LAWRENCE T., United States Public Health Service Fellow (Trainee) in Food Technology, July 1, 1962-June 15, 1963, \$2,200 (3-30-62).
- SEVERSON, ROBERT F., JR., Lilly Endowment Fellow in Economics, one year from June 16, 1962, \$2,500 (4-1-62).
- SHARPE, THOMAS R., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- SHEA, JAMES H., Fellow in Geology, two months from June 16, 1962, \$375 (4-19-62), nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- SHEWMAKER, ROBERT E., Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500 (3-30-62).
- SIMON, KENNETH W., Fellow in Philosophy, two months from June 16, 1962, \$375 (4-19-62).
- SINCLAIR, KENNETH E., Fellow in Education, February 1-June 15, 1963, \$750, and two months from June 16, 1963, \$375 (3-30-62).
- SINGH, AMARJIT H., Fellow in Physics, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$450 (3-30-62).
- SISTER CLAUDETTE BURKEL, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- SMITH, THOMAS E., JR., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- SMITH, VIRGINIA L., Fellow in Economics, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).

- SORENSEN, A. DON, Fellow in Political Science, two months from June 16, 1962, \$375 (4-19-62).
- SPANSKI, GREGORY T., Fellow in Geology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- SPENCLEY, KENNETH J., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- SPICER, LARRY D., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1962, \$2,400 (4-19-62).
- SPRUNGER, KEITH L., Kendrick C. Babcock Fellow in History, nine months from September 16, 1962, \$2,000 (4-1-62).
- STADT, RONALD W., Fellow in Education, two months from June 16, 1962, \$375 (4-19-62).
- STAGER, ROBERT A., Fellow in Chemical Engineering, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- STAHLY, DONALD P., United States Public Health Service Fellow (Trainee) in Microbiology, February 1-June 15, 1962, \$1,050 (3-27-62).
- STALDER, MARY J., Fellow in Home Economics, nine months from September 16, 1962, \$1,500 (3-30-62).
- STAMBAUGH, ROBERT L., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1962, \$2,400 (4-19-62).
- STANCL, DONALD L., Fellow in Mathematics, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- STEBEN, JOHN D., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1962, \$2,400 (4-19-62).
- STEIN, ALLAN R., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- STEINHARDT, MARY-DELL, National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1962, \$2,400 (4-20-62).
- STEPHENS, JOHN K., Fellow in Mathematics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- STERN, DANIEL H., National Science Foundation Summer Fellow in Zoology, June 16-September 7, 1962, \$900 (4-19-62).
- STEVENS, KENNETH M., Fellow in Finance, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- STOLTZ, ELIZABETH A., Greenville College Fellow in Biological Sciences, nine months from September 16, 1962, \$1,500 (4-11-62).
- STONE, ALEXANDER P., Fellow in Mathematics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- STONE, MRS. MARY A., Fellow in Education, two months from June 16, 1962, \$375 (4-19-62).
- STROM, CHARLES R., Fellow in Aeronautical and Astronautical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- SUSMAN, NEWTON B., Fellow in Landscape Architecture, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- SUTHERLAND, DANIEL W., Fellow in Mechanical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- SUTTON, PEGGY R., Fellow in Education, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- SVOB, MICHAEL J., Fellow in English, two months from June 16, 1962, \$375 (4-19-62).
- SWANSON, KARIN A., Fellow in Music, nine months from September 16, 1962, \$1,500 (3-30-62).
- SWEITAL, ELAINE S., Fellow in Astronomy, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- SWINSON, HENRY W., Fellow in English, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- SZURSZEWski, JOSEPH H., Fellow in Physiology, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- TANG, FRANCIS C., Fellow in Mathematics, two months from June 16, 1962, \$375 (4-19-62).
- TAYLOR, BERT A., National Science Foundation Summer Fellow in Mathematics, June 16-August 10, 1962, \$600 (4-19-62).

- TAYLOR, DOUGLAS H., Continental Oil Company Fellow in Mathematics, nine months from September 16, 1962, \$2,200 (3-30-62).
- TAYLOR, JAMES W., Rohm and Haas Company Fellow in Chemistry, nine months from September 16, 1962, \$1,900 (4-25-62).
- TEXTORIS, DANIEL A., National Science Foundation Summer Fellow in Geology, June 16-August 24, 1962, \$750 (4-19-62).
- THACKSTON, EDWARD L., Fellow in Civil Engineering, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- THEILMAN, WARD, National Science Foundation Summer Fellow in Economics, June 16-September 7, 1962, \$900 (4-19-62).
- THOMPSON, STEPHEN, National Science Foundation Summer Fellow in Anthropology, June 16-September 7, 1962, \$900 (4-19-62).
- THORSTENSON, DONALD C., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- TRACY, DAVID J., Eli Lilly and Company Fellow in Chemistry, nine months from September 16, 1962, \$1,900 (4-25-62).
- TRESCOTT, PETER C., Fellow in Geology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- TRINE, JOE A., Fellow in Accountancy, two months from June 16, 1962, \$375 (4-19-62).
- TRUELICK, RICHARD W., International Business Machines Fellow in Social Sciences (Economics), nine months from September 16, 1962, \$1,800 (4-1-62).
- TSANG, FLORIS Y., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- TUNG, MRS. SANDRA L., Fellow in Linguistics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- UJHELYI, GABOR K., Fellow in Electrical Engineering, two months from June 16, 1962, \$375 (4-19-62).
- ULRICHSON, DEAN L., Sun Oil Company Fellow in Chemical Engineering, eleven months from September 16, 1962, \$2,300 (4-10-62).
- UMAN, MYRON F., Fellow in Electrical Engineering, two months from June 16, 1962, \$375 (4-19-62).
- UNDERHILL, DONALD K., Fellow in Zoology, two months from June 16, 1962, \$375 (4-19-62).
- UNLAND, MARK L., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- VAGO, ERVIN, Illinois College Fellow in Mathematics, nine months from September 16, 1962, \$1,500 (3-30-62).
- VAIL, CURTIS F., Fellow in Aeronautical and Astronautical Engineering, nine months from September 16, 1962, \$1,500 (3-30-62).
- VANDENBORRE, ROGER J., L. J. Norton Memorial Fellow in Agricultural Economics, nine months from September 16, 1962, \$1,800 (4-1-62).
- VAN DER VOORN, PETER C., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1962, \$900 (4-19-62); and Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- VAN HISE, JAMES R., United States Rubber Company Foundation Fellow in Chemistry, nine months from September 16, 1962, \$1,800 (4-25-62).
- VARSA, EDWARD C., Hackett Fellow in Agronomy, nine months from September 16, 1962, \$1,500 (4-1-62).
- VAYO, HARRIS W., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1962, \$2,666 (3-30-62).
- VEACH, MARY L., Fellow in English, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- VEDDER, RICHARD K., Fellow in Economics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- VERETTE, RALPH M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500 (3-30-62).
- VETTERLING, JOHN M., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1962, \$5,200 (4-1-62).

- VIDMAR, NEIL J., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$1,800 (4-25-62).
- VIGO, FRANCESCO M., Fellow in Chemistry, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- VOICH, DAN, JR., Fellow in Business, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- VOILS, DON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- VOLLAND, ANITA, Fellow in Anthropology, nine months from September 16, 1962, \$2,000 (3-30-62).
- VON RIESEN, RICHARD D., Fellow in Marketing, two months from June 16, 1962, \$375 (4-19-62).
- WADIA, PHIROZE K., Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WAGNER, CURTIS A., National Science Foundation Cooperative Fellow in Physics, one year from September 16, 1962, \$2,400 (4-19-62).
- WAGNER, JOHN W., Fellow in Accountancy, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- WALLACE, JAMES T., National Science Foundation Summer Fellow in Zoology, June 16-September 7, 1962, \$900 (4-19-62).
- WALLER, ROBERT A., Fellow in History, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- WALTERS, JOHN P., M. W. Kellogg Company Summer Fellow in Chemistry, two months from June 16, 1962, \$500 (4-25-62).
- WARD, ROBERT S., Fellow in Music, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- WARD, WILLIAM F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,600 (4-20-62).
- WEBBER, WILDA R., Fellow in Political Science, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WEDEKIND, GILBERT L., Fellow in Mechanical Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WEINTRAUB, DANIEL J., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1962, \$900 (4-19-62).
- WEISGERBER, DAVID W., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1962, \$2,000 (4-25-62).
- WELSH, ARTHUR L., Fellow in Economics, two months from June 16, 1962, \$375 (4-19-62).
- WENNINGER, EUGENE P., Fellow in Sociology, two months from June 16, 1962, \$375 (4-19-62).
- WHEELER, JAMES E., Fellow in Accountancy, two months from June 16, 1962, \$375 (4-19-62).
- WHITE, JOHN M., Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- WILKEY, RICHARD A., North Central College Fellow in Political Science, nine months from September 16, 1962, \$1,500 (4-1-62).
- WILLIAMS, CHARLES A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- WILLIAMS, JOHN E., Fellow in Zoology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WILLMORE, FLOYD E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- WILSON, DAVID J., Fellow in German, nine months from September 16, 1962, \$1,666, and two months from June 16, 1963, \$500 (3-30-62).
- WILSON, GEORGE S., Corning Glass Works Summer Fellow in Chemistry, two months from June 16, 1962, \$500 (4-25-62).
- WILSON, JOHN E., Parke Davis Fellow in Biochemistry, two months from June 16, 1962, \$600 (4-5-62).
- WINGO, ELVIS O., Fellow in the Classics, two months from June 16, 1962, \$375 (4-19-62).
- WINKELMAN, RICHARD D., Fellow in Economics, two months from June 16, 1962, \$375 (4-19-62).

- WINTERBAUER, WILLIAM L., JR., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1962, \$2,400 (4-19-62).
- WITHNELL, MELVIN C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880 (4-20-62).
- WOLFE, CHARLES M., Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,000, and two months from June 16, 1962, \$500 (3-30-62).
- WOLTER, KARL H., Fellow in Art, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WONG, BING K., Fellow in Mathematics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WOODELL, MARTHA C., Fellow in Linguistics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- WREN, DANIEL A., Fellow in Business, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WRIGHT, RAMIL C., Fellow in Geology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- WRIGHT, ROBERT L., Fellow in Architecture, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- YATABE, JON M., Fellow in Chemical Engineering, nine months from September 16, 1962, \$1,800, and two months from June 16, 1962, \$600 (3-30-62).
- YEN, SIAN L., Fellow in Linguistics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (5-1-62).
- YUDIN, FLORENCE L., Fellow in Spanish, nine months from September 16, 1962, \$1,500, and two months from June 16, 1962, \$375 (3-30-62).
- ZARGHAMEE, MEDHI S., Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).
- ZENGE, MICHAEL W., Fellow in Music, nine months from September 16, 1962, \$2,000, and two months from June 16, 1963, \$500 (3-30-62).
- ZIMMERMAN, JOHN L., Fellow in Zoology, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (3-30-62).

RESIGNATIONS AND DECLINATIONS

- BARLOW, GEORGE W., Assistant Professor of Zoology, Summer Session of 1962—resignation effective June 18, 1962.
- BESTOR, ARTHUR E., JR., Professor of History—resignation effective September 1, 1962.
- BETZ, RONALD P., Assistant Chief Pharmacist (Pharmacy)—resignation effective June 20, 1962.
- BURG, MRS. SALLY, Serials Reviser in the Library, with rank of Instructor—resignation effective September 1, 1962.
- CHANG, SHEN C., Research Assistant Professor of Entomology—resignation effective June 1, 1962.
- CRAWFORD, ROBERT B., Assistant Professor of History, Summer Session of 1962—declination effective June 18, 1962.
- DAGRES, JOHN, Kendric C. Babcock Fellow in History—resignation effective September 16, 1962.
- DAVIS, JIM E., Instructor in Economics, Summer Session of 1962—declination effective June 18, 1962.
- DAVISSON, MELVIN T., Assistant Professor of Civil Engineering, Summer Session of 1962—declination effective June 18, 1962.
- DELEVORYAS, THEODORE, Associate Professor of Botany—resignation effective September 1, 1962.
- DEMARQUE, PIERRE, Assistant Professor of Astronomy—resignation effective September 1, 1962.
- DOLAN, JAMES J., United States Public Health Service Fellow (Trainee) in Psychiatry (University of Illinois at the Medical Center)—resignation effective February 1, 1962.
- EDMUNDS, MRS. JANE C., Research Assistant in Chemistry—resignation effective April 1, 1962.
- EDWARDS, RALPH M., Catalog Assistant in the Library—resignation effective September 1, 1962.
- ETTER, DONAL E., Research Assistant in the State Water Survey—resignation effective April 14, 1962.

- FEINSTEIN, IRWIN K., Associate Professor of Mathematics (Chicago Undergraduate Division) — resignation effective June 22, 1962.
- FENVES, STEVEN J., Assistant Professor of Civil Engineering, Summer Session of 1962 — declination effective June 18, 1962.
- FERRARA, WILLIAM L., Assistant Professor of Accountancy — resignation effective August 31, 1962.
- GOLDSTEIN, HERBERT, Associate Professor of Education — resignation effective September 1, 1962.
- GRIFFIN, CHARLES H., Professor of Accountancy, Summer Session of 1962 — declination effective June 18, 1962.
- GROSSMANN, REINHARDT S., Assistant Professor of Philosophy — resignation effective September 1, 1962.
- HARRIS, HENRY S., Associate Professor of Philosophy — resignation effective September 1, 1962.
- HERLING, SHEILA, Research Assistant in Psychiatry (Medicine) — resignation effective April 1, 1962.
- ITO, YUJI, Instructor in Mathematics, Summer Session of 1962 — declination effective June 18, 1962.
- IVERSON, MRS. AUDREY N., Geology Librarian, with rank of Instructor — resignation effective September 1, 1962.
- KOUKOU, ZOE Z., Research Assistant in Pediatrics (Medicine) — resignation effective April 1, 1962.
- LANGEBARTEL, RAY G., Associate Professor of Mathematics, Summer Session of 1962 — declination effective June 18, 1962.
- MARSH, JOHN O., JR., Associate Professor of Humanities (Chicago Undergraduate Division), Summer Session of 1962 — declination effective June 22, 1962.
- MARSHALL, WILLIAM H., Instructor in Surgery (Medicine) — resignation effective May 1, 1962.
- MCCABE, MRS. NANCIE M., Assistant in Home Economics — resignation effective June 1, 1962.
- MCFERREN, ROBERT D., Instructor in the Institute of Aviation — resignation effective June 16, 1962.
- MILLER, MARILYN T., United States Public Health Service Fellow (Trainee) in Ophthalmology (University of Illinois at the Medical Center) — resignation effective May 1, 1962.
- NEUJAHN, HALINA, Research Associate in Animal Science — resignation effective May 23, 1962.
- PETERSON, HELEN M., Research Associate in Botany — resignation effective June 1, 1962.
- RAUSCH, GEORGE J., JR., Acquisition Assistant in the Library — resignation effective June 17, 1962.
- RIVENBARK, WILLIAM L., Research Associate in Plant Physiology (Agronomy) — resignation effective April 1, 1962.
- RODDA, ERROL D., Research Associate in Agricultural Engineering — resignation effective July 1, 1962.
- ROSEN, HJALMAR, Associate Professor of Psychology — resignation effective September 1, 1962.
- RUDIN, CECILIA M., Instructor in English (Chicago Undergraduate Division), Summer Session of 1962 — declination effective June 22, 1962.
- SHAW, PAUL V., Engineering Faculty Development Teaching Fellow in Chemical Engineering — resignation effective June 1, 1962.
- SPEECE, RICHARD E., Fellow in Civil Engineering — declination effective June 16, 1962.
- SPIRIET, PIERRE, Assistant Professor of French — resignation effective September 1, 1962.
- STATTENFIELD, MRS. MERRIE J., Research Assistant in the State Water Survey — declination effective July 1, 1962.
- THOROGOOD, ELIZABETH, Research Associate in the School of Life Sciences — resignation effective March 19, 1962.
- WAITZ, MRS. JANET L., Assistant Reference Librarian, with rank of Instructor — resignation effective June 7, 1962.

LEAVES OF ABSENCE

- FENVES, STEVEN J., Assistant Professor of Civil Engineering, in the College of Engineering—leave of absence, without pay, September 1, 1962, through August 31, 1963, so that he may serve as Associate Professor at Massachusetts Institute of Technology during that period.
- GREENWOOD, GEORGE W., Research Associate in Civil Engineering, in the Bureau of Community Planning and in the Physical Plant Department—leave of absence, without pay, from June 16, 1962, through August 31, 1963, for the purpose of graduate study on a National Science Foundation Faculty Fellowship.
- HANNAH, HAROLD W., Professor of Veterinary Medical Law (College of Veterinary Medicine) and of Agricultural Law (Agricultural Economics)—leave of absence, without pay, for three months from September 1, 1962, so that he may serve during this period and the summer of 1962 as a consultant on the organization of a planning unit in the Ministry of Agriculture of the government of Pakistan.
- HERUM, FLOYD L., Assistant Professor of Agricultural Engineering, in the Extension Service in Agriculture and Home Economics and in the Agricultural Experiment Station—leave of absence, without pay, for one year from September 1, 1962, so that he may continue his graduate studies at Purdue University under a National Science Foundation Faculty Fellowship grant.
- NARASIMHAN, RANGASWAMY, Research Associate in the Digital Computer Laboratory—leave of absence, without pay, for one month from April 17, 1962.
- PINES, DAVID, Professor of Electrical Engineering and of Physics, in the College of Engineering—leave of absence, without pay, from September 1, 1962, through February 28, 1963, in addition to his sabbatical leave of absence from March 1 through August 31, 1963, so that he may utilize the full year for studies abroad under a Guggenheim fellowship.
- PRANGER, ROBERT J., Assistant Professor of Political Science—leave of absence, without pay, from September 1, 1962, through August 31, 1963, so that he may work under a Social Science Research Council grant during that period.
- WATTENBERG, ALBERT, Research Professor of Physics, in the Engineering Experiment Station—leave of absence, without pay, for six months from September 1, 1962, in addition to his sabbatical leave of absence for six months from March 1, 1963, so that he may have a full year for research and study abroad under a National Science Foundation Senior Postdoctoral Fellowship.
- WILLIAMS, SHELDON W., Associate Professor of Agricultural Marketing (Agricultural Economics)—additional leave of absence, without pay, April 1 through April 30, 1962.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

- KIRK, SAMUEL A., Professor of Education and of Psychology, and Director of the Institute for Research on Exceptional Children—leave of absence granted him for six months from August 15, 1962, cancelled without prejudice.

JUNE AND JULY MEETINGS

President Clement announced that the next two meetings of the Board are scheduled to be held on June 20, 1962, and July 18, 1962; and that the Board has already voted to hold the June meeting in Urbana.

On motion of Mrs. Watkins, the Board voted to hold the July meeting in Chicago, Illinois, on Wednesday, July 18, 1962, at an hour and place to be determined by the President and Secretary of the Board.

GUESTS OF THE BOARD

President Clement introduced Trustee Emeritus Wirt Herrick and President Emeritus Lloyd Morey, who are special guests at today's meeting.

EXECUTIVE SESSION

President Clement stated that an Executive Session has been requested

for consideration of recommendations relating to patentable inventions and property acquisitions, and was being ordered.

On motion of Mr. Williamson, the Board recessed.

When the Board reconvened, in executive session, following recess, the same members of the Board and officers of the University were present as recorded at the beginning of these minutes, with the exception of Mr. Swain and Mr. Wilkins. Mr. Swain joined the meeting later.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee and the Chairman of the University Research Board recommend release to the University of Illinois Foundation of the following described inventions by members of the staff.

1. Serologic test for diagnosis of hog cholera—Diego Segre, Professor of Veterinary Microbiology and Public Health and of Veterinary Research, inventor. The serologic test makes it possible to visualize the reaction between the antigen of the virus of hog cholera and its specific antibody. Using a serum known to contain hog cholera antibody as a standard of reference, it makes it possible to detect, identify, and quantitate the virus of hog cholera in the blood and tissues of swine suspected of being affected with this disease. The invention consists of two parts—the preparation of the specific reagent and the performance of the test.

2. Deposited thin film transfluxor—James Divilbiss, Research Associate in the Coordinated Science Laboratory, inventor. The disclosure describes three methods of fabricating transfluxors (multi-aperture magnetic devices) and associated wiring by vacuum deposition of successive layers of magnetic material, conductors, and insulation. Production of transfluxors by this technique has two objectives. First, very large arrays of transfluxors would be produced automatically, thus reducing the cost per element. Second, selection of magnetic material of high coercivity would allow device operation at higher speeds than can be obtained presently with ferrite transfluxors. This invention deals also with the circuit restrictions necessary to make the thin film transfluxor logically equivalent to the ferrite transfluxor.

I concur in these recommendations.

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

SETTLEMENT OF PATENT CLAIM OF DR. GEORGE H. SCHERR

(2) In June, 1959, Dr. George H. Scherr, then a member of the Department of Microbiology, College of Medicine, after first publishing some of the results of his research in late 1958, submitted to the University reports of that research with the view of the possible patentability of certain compounds considered therein. It was necessary to file a patent application in October, 1959, before complete investigation as to the commercial possibilities had been completed, because of Dr. Scherr's publication in 1958. (See Board Minutes, October 21, 1959.) While the patent application was pending, investigation continued into the commercial possibilities of Dr. Scherr's compounds. In late 1960, Dr. Scherr was notified verbally that the University would not seek foreign patent rights on his discoveries, and that he was free to seek those himself.

On December 1, 1960, the attorneys for Dr. Scherr claimed damages on the ground the University failed to release to Dr. Scherr the foreign rights in sufficient time for him to file applications to protect these.

In March, 1961, the United States Patent Office Examiner rejected the original application for a patent, and in April, 1961, took the same action with regard to an amended application which had been filed in October, 1960. A further amendment was filed in October, 1961, and in February, 1962, the claims of this application were also rejected as nonpatentable. It is possible to take an appeal of the latest rejection to the Board of Appeals in the Patent Office, within six months from February 23, 1962. In late 1961, Dr. Scherr, although no longer a member of the University faculty, submitted additional compounds for inclusion in the patent application then pending. These are compounds of the same nature and directly related to those in the original applications.

The investigation into the commercial possibilities of Dr. Scherr's compounds, which relate to the strengthening of certain antibiotics by the addition to them of certain other materials, produced a mild degree of interest but no response as to assistance in obtaining patents, further development, or marketing the compounds. Merriam, Smith, and Marshall, Patent Attorneys for the University of Illinois Foundation, who have handled this matter, recommend that in view of this lack of interest, and in view of the fact that it appears necessary that an extensive research program be undertaken before any patentable formulae might be obtained, no appeal should be taken, and the University's patent applications should be abandoned. The Patent Committee concurs in this recommendation and has further recommended a release to Dr. Scherr of all rights in his discoveries, subject to a release by him of all his claims against the University.

In view of this recommendation and Dr. Scherr's claim, the Legal Counsel's Office, with the approval of the Patent Committee, has negotiated with Dr. Scherr's attorneys for a release to him of all the University's rights in his compounds, in return for which he would release the University from any possible claims of damages. In addition Dr. Scherr would agree, out of any monetary returns from his discoveries and after he has reimbursed himself for expenses incurred by him in the prosecution of the patent applications and marketing his compounds, to reimburse the University for the expenses it and the Foundation incurred in connection with the prosecution of the patent application and the investigation. Such a settlement has now been agreed to by Dr. Scherr, subject to the approval of the Board of Trustees.

The Vice-President and Comptroller and the Legal Counsel recommend that this settlement be approved, that the Legal Counsel be authorized to prepare the documents necessary to effectuate this settlement, and that the Comptroller and the Secretary be authorized and empowered to sign any necessary documents for the University.

I concur.

On motion of Mr. Harewood, this settlement was authorized, as recommended.

**PURCHASE OF PROPERTY AT 1103 WEST ILLINOIS STREET,
URBANA, AND LEASE OF PROPERTY AT 905-905 1/2
SOUTH FIFTH STREET, CHAMPAIGN**

(3) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 1103 West Illinois Street, Urbana, at a price of \$35,000. The property consists of a lot 65 feet wide and 150 feet deep, with a three-story and basement frame residence. This building will eventually be moved or demolished and the land will be part of an area to be developed for parking facilities replacing those lost when construction is started on the Illinois Street Residence Halls.

The price is within appraisals and the Committee on Buildings and Grounds has previously authorized negotiations for the acquisition of the property.

Possession will be delivered not later than September 1, 1962, and taxes will be prorated.

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

The Delta Alumni of Sigma Phi Delta, Inc., owners of the property at 1103 West Illinois Street, have been negotiating for the purchase of a new fraternity house but the earliest it will be available to them is June, 1963. It is therefore recommended that upon possession of the property at 1103 West Illinois Street, Urbana, by the University, the property at 905-905 1/2 South Fifth Street, Champaign, recently purchased by the University, be leased to the Delta Alumni of Sigma Phi Delta, Inc. for ten months from September 1, 1962, at a rental of \$5,500 for the period. The University has no immediate need for the building or the land which was purchased as a site for a graduate student residence hall.

I concur in these recommendations.

On motion of Mr. Williamson, the purchase of the property at 1103 West Illinois Street, Urbana, and the lease of the property at 905-905 1/2

South Fifth Street, Champaign, were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Harewood, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Wilkins.

MEETINGS OF BOARD COMMITTEES

Following adjournment of the Board, the Committees on General Policy and on Buildings and Grounds met in work sessions in consultation with the President of the University and other University officials.

On motion of Mr. Pogue, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President