

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

February 10, 1955



The February meeting of the Board of Trustees of the University of Illinois was held at the Sheraton-Blackstone Hotel, Chicago, Illinois, on Thursday, February 10, 1955, beginning at 10:00 a.m.

The following members were present: Mr. Wirt Herrick, Mr. Robert Z. Hickman, Mrs. Doris S. Holt, Mr. Wayne A. Johnston, Mr. Park Livingston, Mr. H. B. Megran, Mr. Vernon L. Nickell, Mr. Timothy W. Swain, and Mrs. Frances B. Watkins. Mr. Cushman B. Bissell and Governor William G. Stratton were absent. Mr. Kenney E. Williamson, Trustee-elect, was present.

Also present were President Lloyd Morey, Provost Henning Larsen, Mr. Ralph F. Lesemann, Legal Counsel, Mr. J. F. Wright, Director of Public Relations, and the officers of the Board, Messrs. H. O. Farber, Comptroller, C. W. Weldon, Treasurer, and A. J. Janata, Secretary.

EXECUTIVE SESSION

When the Board convened, an executive session was requested for consideration of the following matters of business presented by the President of the University.

ILLINOIS BUDGETARY COMMISSION HEARING

President Morey reported on a conference which he and Messrs. Megran and Livingston had with the Governor on February 2, 1955, concerning the biennial budget and building program for 1955-57. The President also reported on the presentation of the budget and building program to the Illinois Budgetary Commission at a hearing held in Springfield, February 7, 1955.

President Megran and Mr. Livingston supplemented President Morey's presentation. Further consideration of the report on the budget was deferred until the regular business meeting.

SETTLEMENT OF CONTRACTS FOR CONSTRUCTION OF ADDITION TO THE RESEARCH AND EDUCATIONAL HOSPITALS

Mr. Lesemann reported that there are prospects of reaching agreements for settlements of the claims of some of the contractors and subcontractors engaged in the construction of the addition to the Research and Educational Hospitals and that it may be necessary to secure authorization of such settlements prior to the next meeting of the Board of Trustees.

On motion of Mr. Hickman, the Executive Committee was authorized to act in this matter.

VICE-PRESIDENT IN CHARGE OF THE CHICAGO PROFESSIONAL COLLEGES

President Morey reported that he may be ready to make a recommendation for an appointment to the position of Vice-President in Charge of the Chicago Professional Colleges in the near future, and that it may be necessary to secure action on such recommendation before the next meeting of the Board of Trustees on March 30.

The President of the Board requested that the Executive Committee be authorized to act in this matter and unanimous consent was given.

OPEN SESSION

At 11:00 a.m. the Board convened in open session. The same members of the Board, officers of the University, and officers of the Board as recorded at the beginning of these minutes were present.

DELEGATION FROM CHICAGO UNDERGRADUATE DIVISION

A delegation of students, and Mr. William Vihon, 7518 North Claremont Avenue, Chicago 45, Illinois, representing the Parents' Association of the Chicago Undergraduate Division, appeared before the Board and asked to be heard on the matter of a state appropriation for the acquisition of a site for a permanent location for the Chicago Undergraduate Division. Mr. Vihon was spokesman for the delegation. He expressed disappointment that University officials have eliminated from the proposed building program for 1955-57 the original provision for the acquisition of a site for a new location for the Chicago Under-

graduate Division, and urged that further consideration be given to capital appropriations for this development. Two students also spoke in support of Mr. Vihon's presentation.

President Morey replied in connection with the presentation of a report on the biennial budget and building program for 1955-57 which appears below.

Mr. Nickell spoke of the over-all problem of the state of providing sufficient funds for all educational purposes, pointing out that even with additional revenues resulting from a possible increase in the sales tax the income of the state will not be sufficient to meet all of its needs.

Mr. Livingston reviewed the emergency steps which were taken by the Board of Trustees and the administration of the University in 1946 to establish the Chicago Undergraduate Division indicating that University officials are aware of the higher educational needs in the Chicago area and that every effort has been and will continue to be made to provide for them, consistent with the University's other obligations and the resources of the state.

President Megran expressed his appreciation to Mr. Vihon and the student delegation for their presentation, and the delegation withdrew.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board considered the following reports and recommendations from the President of the University.

REPORT ON BIENNIAL OPERATING BUDGET AND BUILDING PROGRAM FOR 1955-57

(1) On February 7 representatives of the Board of Trustees and of the University administration appeared before the Illinois State Budgetary Commission. The operating and capital budgets, as approved by the Board on October 27, 1954, were presented. We also presented the "Statement Concerning University of Illinois Biennial Budget Request for State Appropriations, 1955-57" and the bulletin which has been prepared for general circulation, *Your University of Illinois*. Copies of these documents have previously been sent to the Trustees, and copies of the same are being filed with the Secretary of the Board as a part of the record of today's meeting.

In recent weeks problems have arisen with respect to the capital budget that indicated the need of some revision, as follows:

1. By a change of standards with respect to *residence hall* facilities, it is now possible to reduce the construction cost about 20 per cent under the budget estimate. This would necessitate an appropriation of \$2,000,000 (for 900 students) instead of \$2,900,000 as originally estimated, to be supplemented by a loan of \$1,600,000. (It is possible to spread out even this \$2,000,000 over a 25-year period by providing an additional \$125,000 per year in the general University operating budget.)

2. In the *Chicago Professional Colleges* it has not been possible to make necessary studies and reach basic decisions with respect to the Animal Hospital, the Library, or the Experiment Station. It is also felt that the full program of remodeling can not be carried out in one biennium. As a result, a total of \$7,150,000 may be deferred to the succeeding biennium and in its place \$100,000 provided for studies during the coming biennium.

3. In the *Chicago Undergraduate Division* several conditions have developed to justify a delay in appropriation of funds for a site and to seek only funds for further educational and engineering studies. (A special statement relating to this item is attached.)

The net result of these changes is indicated in the revised building program which totals \$22,955,000 instead of \$37,185,000 as originally filed, a total of \$13,650,000 to be deferred to the succeeding biennium.

With the concurrence of the President of the Board and the Chairman of the Finance Committee, the President of the University presented this revised budget to the Budgetary Commission, indicating that it would be acceptable to the University.

Statement to the Illinois Budgetary Commission Concerning Funds to Provide a Permanent Site for the Chicago Undergraduate Division

1. The University included a preliminary estimate of land cost for a permanent site for the Chicago Undergraduate Division in its budget filed November 1, 1954, because:
 - a. The University was requested by the Legislative Commission on the Chicago Undergraduate Division to provide this and related information.
 - b. The University feels that its present two-year program has achieved a permanent status, and therefore, permanent University-owned facilities should be provided as soon as feasible.
 - c. The inclusion of such an item was necessary if the University expected consideration of an appropriation in this biennium.
 - d. At that time it seemed that funds had to be appropriated by the General Assembly in this session in order to permit the University to prepare for and be ready to take its share of the increased enrollment.
2. Since submitting the budget:
 - a. The University has not been able to conclude its studies of sites or complete the necessary negotiations to a point where it is certain of the appropriation required.
 - b. The University has found that, if it is necessary or desirable for the state to do so, the appropriation for site acquisition can be deferred until the 1957-59 biennium.
(Also the Commission on Higher Education has been appointed by the Governor to survey the entire problem of future growth and the question of possible expansion to a four-year basis.)
3. The University has not changed its opinion as to the need to provide permanent facilities and site for the two-year program of the Chicago Undergraduate Division as promptly as feasible. However, in view of the above described conditions and of the many needs of the University of greater urgency for which funds should be provided in the 1955-57 biennium, the University will not press for appropriation of funds in 1955-57 to acquire land for this purpose, but only moderate funds for studies of future development.

LLOYD MOREY
President

Revised Building Program for Biennium 1955-57 as Presented to the Illinois Budgetary Commission

I. Urbana-Champaign

<i>Project</i>	<i>Appropriation Needed</i>
Biology Building, First Unit.....	\$ 5 585 000
Architecture Building Addition, First Stage.....	2 230 000
Women's Residence Hall (supplemented by borrowing \$1,208,000)...	1 000 000
Men's Residence Hall (supplemented by borrowing \$306,000).....	1 000 000
Heating Plant Addition (necessary if any of foregoing buildings are added).....	1 765 000
Band Building.....	870 000
Metallurgy Laboratory Addition.....	175 000
Altgeld Hall Remodeling \$390,000; Addition \$390,000.....	780 000
Davenport Hall Remodeling.....	305 000
Library Addition.....	685 000
Physics Laboratory Addition, First Stage.....	500 000
Building Studies.....	125 000
Minor Agricultural Structures.....	300 000
City Improvements.....	180 000
Green Street Widening.....	105 000
<i>Total for Urbana-Champaign.....</i>	<i>\$15 605 000</i>

II. Chicago Professional Colleges

Southeast One Story and Basement Unit of East Dentistry-Medicine-Pharmacy Building.....	\$ 1 065 000
Laundry Building.....	650 000
Remodeling Old Hospital and Dentistry-Medicine-Pharmacy Building (including equipment).....	1 000 000
Physical Plant Service Building.....	900 000
Building Studies.....	100 000
Stem of T Unit of East Dentistry-Medicine-Pharmacy Building....	3 385 000
<i>Total for Chicago Professional Colleges.....</i>	<i>\$ 7 100 000</i>

III. Chicago Undergraduate Division

Educational and Engineering Studies of Future Development.....	\$ 250 000
<i>Grand Total.....</i>	<i>\$22 955 000</i>

Defer:

Land (Chicago Undergraduate Division).....	\$ 6 500 000
Animal Hospital (Chicago).....	1 750 000
Library (Chicago)	1 750 000
Drug and Horticultural Experiment Station (Chicago).....	900 000
Remodeling (Chicago).....	2 750 000
<i>Total Deferred.....</i>	<i>\$13 650 000</i>

This report was received for record.

APPOINTMENTS TO THE FACULTY

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

1. ALBERT CAROZZI, Visiting Assistant Professor of Geology, for a period of ten months from September 1, 1955, at a salary of \$5,500 (G).
2. ALFRED L. ROWSE, George A. Miller Visiting Professor of History, for a period of four months from September 1, 1955, at a salary of \$5,600 (G).
3. LUCIA TOWER, Lecturer with rank of Associate Professor in the Department of Psychiatry, College of Medicine, beginning January 1, 1955, at an annual salary of \$3,120 (DY25).

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

LEAVE OF ABSENCE FOR DIRECTOR ROBERT B. DOWNS

(3) Director Robert B. Downs of the Library and Library School has been asked by the Ford Foundation and the Government of Turkey to serve as library adviser to the latter and has requested a six months' leave of absence from March 1, 1955, for this purpose.

I have approved this leave, the first month to be with pay as the standard vacation allowance and five months from April 1 to be without pay.

I have also approved recommendations from Director Downs that Professor Leslie W. Dunlap, Associate Director of the Library for Public Service Departments, be appointed Acting Director of the Library and that Professor Harold Lancour, Associate Director of the Library School, be appointed Acting Director of the Library School, these appointments to be for six months from March 1, 1955, with additional compensation at the rate of \$100 a month in each case.

Confirmation of these actions is requested.

On motion of Mrs. Holt, the actions of the President of the University were confirmed.

CHANGE IN ORGANIZATION OF THE UNIVERSITY OF ILLINOIS CITIZENS COMMITTEE

(4) The organization of the University of Illinois Citizens Committee now provides that officers of the following organizations shall be ex officio members: Alumni Associations, including the alumni organizations of the Chicago Professional Colleges, the Dads Association, and the Mothers Association. The officers of these associations are usually elected for one year, and they change at various

times. For example, the Dads Association has its annual meeting in the fall, the Mothers Association in the spring, and the officers of the several alumni associations are changed at various times of the year. This results in frequent changes in the membership of the Citizens Committee of these ex officio members, which has proven undesirable as it does not enable some of the people to serve very long. Hence, it is recommended that the ex officio members be discontinued and that the statement of organization of the Citizens Committee be amended to read as follows:

New language is in italics and language to be deleted is in parentheses.

The first purpose of the Citizens Committee is one of interpretation of the University of Illinois to the people of Illinois, and its aim is the further development of the University through the people and for the people of the state.

The Committee is made up of about two hundred members, nominated by the President and appointed by the Board of Trustees to serve for three years. Its general membership includes an important cross section of public-spirited citizens of Illinois who are interested in the University but not professionally connected with it. From the general membership an Executive Committee of nine is appointed by the Board of Trustees on recommendation of the President.

In his nominations for membership on the Committee the President of the University will include representatives of the University of Illinois Alumni Association, the Dads Association, and the Mothers Association. The present and past members of the Board of Trustees shall be ex officio members of the Committee. (The ex officio membership of the Citizens Committee as a whole is composed of present and past members of the Board of Trustees and officers of the Alumni Associations, the Dads Association, and the Mothers Association.)

Meetings of the Citizens Committee and of its Executive Committee are held on call of the President of the University. The Secretary of the Board of Trustees of the University of Illinois is ex officio Secretary of the Committee.

On motion of Mr. Livingston, these changes were approved.

ADJUSTMENTS IN THE BUDGET

(5) The Provost and the Comptroller recommend the following increases in the operating budget for 1954-55, which are presented with my concurrence to the Board for approval:

Office of the Dean of Students

Recurring.....	\$2 000
Nonrecurring	2 500

In the preparation of the budget the cost of administering the identification card program and of the motor vehicle regulation was underestimated, and a deficiency appropriation is needed.

Research and Educational Hospitals

For the addition of two clerical positions in the medical records section of the Hospital Clinics.....	5 640
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These positions are needed so that the Medical Records Department can function efficiently and serve the clinics adequately.

Department of Art

For services of live models, nonrecurring.....	2 500
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The additional funds are required because of the increase in enrollment. The Department also wishes to make greater use of professional models and to decrease the use of student models for reasons of educational efficiency.

Funds are available for these additions.

On motion of Mr. Johnston, these assignments were made by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megrn, Mr. Nickell, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Bissell, Mr. Stratton.

APPROPRIATION FOR INSTITUTE OF AVIATION

(6) In the general reductions required to prepare a balanced budget for 1953-54, the appropriations for the Institute of Aviation were decreased by approximately \$33,000, and the Institute has had to absorb approximately \$2,000 in prevailing wage rate increases for which additional funds were not made available to it.

In 1953-54 the Institute was able to transfer expenditures of approximately \$7,000 to prior earnings of the Airport thus enabling it to operate within the available appropriations.

In 1954-55 there will be a deficit of approximately \$4,500 if the Institute maintains its present level of operations. The deficiency will be corrected in 1955-56 by increased income resulting from the higher flight instruction fee approved by the Board and the Institute's share of the additional state appropriations being requested for 1955-57 for increased prevailing wage rates.

There remains, however, a need for a nonrecurring appropriation of \$4,500 for the remainder of the year 1954-55. The Committee on Nonrecurring Appropriations has reviewed the recommendation of the Director of the Institute of Aviation for this assignment of funds and recommends it be made.

I concur.

On motion of Mr. Livingston, this assignment was made by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Bissell, Mr. Stratton.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(7) The Committee on Nonrecurring Appropriations recommends assignments of funds from the General Reserve as follows:

1. Department of Chemistry and Chemical Engineering, remodeling in the East Chemistry Building.....	\$29 450
2. College of Commerce and Business Administration, remodeling and purchase of equipment for David Kinley Hall.....	4 910
<i>Total</i>	\$34 360

I concur.

On motion of Mr. Nickell, these appropriations were made by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Bissell, Mr. Stratton.

CONTRACTS FOR CONSTRUCTION OF CHILD DEVELOPMENT LABORATORY

(8) The Director of the Physical Plant and the Comptroller recommend award of contracts as follows for the construction of the Child Development Laboratory as a part of the Home Economics Building project:

General—Felmley-Dickerson Company, Urbana.....	\$367 650
This is the net amount of the general contract after deducting alterations, totaling \$10,350, which the University has elected to take, from the base bid of \$378,000.	
Electric—Brunkow Electric Company, Champaign.....	36 820
Plumbing—Wm. Adams Engineers, Inc., Chicago.....	33 622
Heating—Gallaher and Speck, Inc., Chicago.....	25 502
Ventilating—Robert H. Bishop, Champaign.....	18 868
Dumb-waiter Installation—Fairhall Elevator and Machine Company, Danville	3 064
Pipe Covering—Sprinkmann Sons Corporation of Illinois, Peoria.....	2 768
Temperature Controls—Minneapolis Honeywell Regulator Company, Peoria	8 847
<i>Total</i>	\$497 141

In each case the recommendation is for the award to the lowest bidder.

Funds are available in the state appropriations for buildings and other capital improvements made to the University for 1953-55. The Sixty-ninth General Assembly of Illinois has recently amended the appropriation act to permit use of the funds for the construction of the Child Development Laboratory as a

separate building from the Home Economics Building although the two are one project. The funds are subject to release by the Governor.

It is proposed to draw upon the following specific appropriations for the above contracts:

"For construction of a Child Development Laboratory, with fixed equipment installed, including plans and specifications, extension of utilities to the building, and all other necessary costs and charges incident to completion of the work".....\$370 000

From the item in the general appropriation act for buildings and other permanent improvements, as amended, which now provides "For contingencies to cover expenditures for purposes, including the Child Development Laboratory authorized by this amendatory act, for which the amount in any of the above items enumerated is, or becomes, insufficient" 143 000

The bids are based on the assumption that the contractors will not be required to complete their work within a specified period of time. The general contractor has indicated that he can complete the building by December 31, 1955. This will necessitate reappropriation of part of the funds for this project for the biennium of 1955-57.

Alternate bids were also taken on the increased costs estimated by contractors if required to complete the building by August 31, 1955. The general contractor has indicated that this would increase his contract by \$35,000, which with other added costs would result in an increase of \$37,000 if August 31 is specified as the completion date. While the lowest bidder can doubtless organize the work for such a construction schedule, factors beyond his control, such as strikes either at the site or affecting the deliveries of fabricated materials, could thwart his best efforts. The Director of the Physical Plant and the Comptroller recommend that this calculated risk be not taken.

It should be noted that the above contracts do not include equipment, landscaping, and other costs. The total estimated cost of this project is \$590,000, for which funds are available in the existing state appropriations if released by the Governor and if unexpended balances at the end of the current biennium are reappropriated for 1955-57.

I concur in the recommendation for the awards of these contracts, subject to release of funds by the Governor, and recommend that the Comptroller and the Secretary of the Board be authorized to execute them.

On motion of Mr. Nickell, these contracts were awarded as recommended by the following vote and the Comptroller and the Secretary of the Board were authorized to execute the same: Aye, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Bissell, Mr. Stratton.

CONTRACT FOR LANDSCAPING OF THE LAW BUILDING AREA

(9) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$15,600 to Ralph Synnestvedt Associates, Glenview, Illinois, the lowest bidder, for landscaping the new Law Building area.

Funds are available in the state appropriation for construction of this building, and the lowest bid is well within the construction budget estimates.

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

On motion of Mr. Herrick, this contract was awarded by the following vote and the Comptroller and the Secretary of the Board were authorized to execute the same: Aye, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Bissell, Mr. Stratton.

ADDITION TO BUILDING CONTRACT FOR CONSTRUCTION OF LAW BUILDING BOOKSTACKS

(10) The Director of the Physical Plant and the Comptroller recommend an increase of \$4,588.10 in the contract with E. N. DeAtley for general work in the

construction of the Law Building to provide for asphalt tile floor covering and painting in the southwest area of the basement which will be used as bookstack space for the Law library instead of storage space. Funds are available in the state appropriation for the construction of the Law Building.

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

On motion of Mr. Swain, the Comptroller was authorized to execute this change in the contract.

REPORT OF SCHOLARSHIP FUNDS

(11) Alumni of the College of Commerce and Business Administration have raised a fund of \$20,000 with the prospect of \$5,000 of additional contributions to establish a scholarship fund in honor of Professor *Emeritus* Hiram T. Scovill of the College of Commerce and Business Administration. Announcement of the fund and of the willingness of the University to accept it was made during the ceremonies commemorating the fiftieth anniversary of the teaching of business subjects at the University of Illinois and upon the occasion of Professor Scovill's retirement in 1953. The University of Illinois Foundation has been receiving and holding contributions to this fund temporarily. A formal deed of gift will be prepared and presented to the University.

The fund will be an endowment for undergraduate scholarships, but the income may also be used for graduate fellowships, prizes, and payment for publication of writings by the staff or graduate students in the College of Commerce and Business Administration. The fund must be held as an endowment until June 30, 1980, and, thereafter, the principal may be spent with the approval of the Board of Trustees.

The Harvey H. Jordan Scholarship Fund was raised as a tribute to Professor *Emeritus* Harvey H. Jordan of the College of Engineering for his many years of service to that College. A fund of \$4,638.11 has been contributed by alumni of the College of Engineering and other friends of Professor Jordan, and it is expected that additional funds will be received.

The University of Illinois Foundation has received these contributions and has invested them as an endowment fund. The income will provide annual scholarship awards to one or more outstanding engineers at the beginning of their final semester.

These gifts are reported for record.

On motion of Mr. Johnston, acceptance of these funds was authorized and the Secretary of the Board was requested to express the Board's appreciation to the appropriate parties.

PURCHASES

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

I concur.

Item	Department	Vendor	Cost
540 steel chairs, without arms, for use in classrooms in the new Law Building	College of Law	Spak and Natovich, Inc., Chicago	\$7 241 40 f.o.b. Urbana
275 library chairs, walnut, for the new Law Building	College of Law	Milwaukee Chair Co., Milwaukee, Wis.	5 156 25 f.o.b. Milwaukee, Wis.
One model 63 oximeter	Medical Respiratory Center, Chicago Professional Colleges	Arnold S. J. Lee-Kenneth B. Morris Mechanical Engineering Development, Belmar, N.J.	3 000 00 f.o.b. delivered and installed
One hot wire anemometer for turbulence measurements: ranges 0 to 200 fps velocity, 0.1 fps and up response to velocity changes 0 to 10 kc. 1%, 110 volts a.c.	Theoretical and Applied Mechanics	Hubbard-Ling Co., Iowa City, Iowa	2 800 00 f.o.b. Iowa City, Iowa
Electronic equipment	Engineering Research	Convair Corp., San Diego, Calif.	2 640 00 f.o.b. San Diego, Calif.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Sixty 20 ft. sections of 3/8" teflon coaxial cable	Television-Motion Pictures Unit (for relocation of University of Illinois television antenna)	General Electric Co., St. Louis, Mo.	\$5 908 50
Twelve 3/8" 90-degree teflon mitre turns			f.o.b. Chicago
Less trade-in of eighteen 20 ft. sections 3/8" statite beaded coaxial cable			
325 reams 22 x 34—40 lb. white 50% rag bond paper	Office Supply Storeroom	Graham Paper Co., St. Louis, Mo.	5 230 25
75 reams 22 x 34—32 lb. white 50% rag bond paper			f.o.b. Urbana
100 reams 22 x 34—26 lb. white 50% rag bond paper			
30.88 tons calcium metaphosphate and	Allerton Farms	Tennessee Valley Authority, Knoxville, Tenn.	8 005 08
83.24 tons ammonium nitrate			f.o.b. delivered
200 tons (approximately) of 1/4" screened rock chips			8 300 00
2,000 tons (approximately) of No. 8 crushed stone road binder	Physical Plant	Material Service Corp., Fairmount	f.o.b. delivered
750 tons (approximately) of Class X crushed rock			
(To be delivered as required by Physical Plant Stores from March 1, 1955, through June 30, 1955)			
No. 1 Douglas fir, K.D.: 10,673 bd. ft. of 1"	Physical Plant	Long Lumber Co., Champaign	5 193 54
32,406 bd. ft. of 2"			f.o.b. delivered
640 bd. ft. of 4"			
15,072 sq. ft. of mixed grades of plywood	Physical Plant	Thompson Lumber Co., Champaign	2 511 80
Three transformers, self-cooled, askarel-filled, 150 kva rated capacity, single phase, 60 cycle	Physical Plant	The Standard Transformer Co., Chicago	4 680 00
One PA-22 Piper Tri-Pacer super custom airplane, less trade-in of Republic Seabee airplane N6717K	Institute of Aviation	Illini Airport, Urbana	f.o.b. delivered 6 375 00
Fifteen automobiles, four-door sedans, six cylinder, complete with heater and defroster, less trade-in allowance for vehicles to be replaced	Physical Plant	Tom Purvis, Inc. (Ford), Mattoon (eight vehicles) General Motors Corp. (Chevrolet), Chicago (five vehicles) Litsinger Motor Co. (Ford), Chicago (two vehicles) Total	(Net) 3 490 00 2 150 05 1 473 34 (7 113 39)

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

COMPTROLLER'S REPORT OF CONTRACTS

(13) The Comptroller's report of contracts executed during the period January 1 to January 31, 1955.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Army DA-11-175-AV-1532	Academic instruction for three military personnel	Rates per contract	September 20, 1954
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Alexander Lumber Company	Remodeling work to the residence on Wright Farm No. 4	Rates per contract not to exceed \$2,450.00	January 1, 1955

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Cyanamid Company	Veterinary diseases	\$ 5 000 00	January 1, 1955
American Dairy Association	Butterfat nutrition	4 000 00	January 1, 1955
Association of American Railroads	Railroad roadbed stabilization	5 000 00	January 1, 1955
Commonwealth Edison Company	Solubility of boiler waters	22 000 00	January 1, 1955
Dawe's Laboratories, Inc.	Rations for broiler production	1 500 00	January 1, 1955
Moorman Manufacturing Company	Poultry nutrition	1 500 00	January 1, 1955
Ohmite Manufacturing Company	Ceramic resistors	10 000 00	December 28, 1954

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois, Division of Highways	Reinforced concrete slabs for highway bridges	\$2 150 00	December 14, 1954
United States Atomic Energy Commission AT(11-1)-67, Project No. 11	Effects of X-rays upon tumors of the central nervous system	16 000 00	January 1, 1955
United States Navy N6ori-071(51)	Thermal injury of the skin	1 592 77 ¹	November 26, 1954
United States Navy N0a(s) 52-947 (McDonnell Aircraft Corporation prime contractor—University of Illinois subcontractor)	Fatigue tests of helicopter blade fold fittings	7 000 00	December 20, 1954
Hiram Walker and Sons, Inc.	Nutritive value of fermentation products by means of chick assays	2 000 00	January 6, 1955

Adjustments Made in 1953-54 Cost-Plus Contracts

(Adjustments in projects authorized prior to July 1, 1954)

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Consulting Engineering Service	Two items: \$85.50 and \$153.90	\$ 239 40	January 5, 1955

Adjustments Made in 1954-55 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twenty items: \$104.81 deduct to \$390.00	\$ 833 99	January, 1955

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(14) The Comptroller presents his quarterly report to the Board as of December 31, 1954.

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

REPORT OF GIFTS AND GRANTS RECEIVED BY THE UNIVERSITY

(15) The following gifts and grants of funds received by the University have been accepted by the President and are now being reported for official record. The previous report of such gifts was made to the Board on February 18, 1954. (In many cases a period of several months may elapse between the time an offer is accepted and the final payments have been received. Hence, to avoid complications in audits of University accounts, monetary gifts are usually reported after the funds have been deposited with the University. In each case due acknowledgment of these gifts and grants has been made by appropriate University officials, including an expression of appreciation on behalf of the Board of Trustees.)

Colleges and Schools at Urbana-Champaign

Undergraduate Scholarships, Prizes, and Other Financial Aids

1. Mr. Robert Allerton, Hawaii, \$800 to continue the Robert Allerton Traveling Scholarships in architecture for 1954.
2. The Allstate Foundation, Skokie, \$5,000 for scholarships and expenses in connection with a regular summer session (1954) course and a short course for the training of teachers of high school driver education.
3. Alpha Phi Omega, national service fraternity, \$250 for scholarships for the academic year 1954-55.
4. Alpha Xi Chapter of Phi Mu Alpha-Sinfonia, professional music honorary fraternity, \$139 to be added to the William G. Hill Memorial Scholarship in music.
5. American Air Filter Foundation, Inc., Moline, \$1,000 for three scholarships in the Departments of Mechanical Engineering and Electrical Engineering for the academic year 1954-55.

¹ Deduct.

6. American Society for Metals Foundation for Education and Research, Cambridge, Massachusetts, \$400 for a scholarship in metallurgical engineering for the academic year 1954-55.

7. Campus Chest, University of Illinois undergraduate fund-raising organization, \$1,240 for scholarships.

8. Carbide and Carbon Chemicals Company, Texas City, Texas, \$346 for a scholarship for a senior in chemical engineering for the academic year 1954-55.

9. Chicago Farmers, Chicago, \$100 for a scholarship for a senior student in agriculture.

10. Corn Products Refining Company, Chicago, \$2,400 for four scholarships (\$600 each) in engineering or physical science for the academic year 1954-55.

11. Dads Association, University of Illinois, \$400 for four scholarships for the academic year 1954-55.

12. Douglas Aircraft Company, Inc., Santa Monica, California, \$600 for a scholarship in the College of Engineering for the academic year 1954-55.

13. Harrison Jules Louis Frank and Leon Harrison Frank Memorial Corporation, Detroit, Michigan, \$500 for a scholarship in electrical engineering for the academic year 1954-55.

14. Fribourg Foundation, Inc., New York City, \$1,000 for two scholarships (\$500 each) in grain marketing for the academic year 1954-55.

15. Forney Foundation, Fort Collins, Colorado, \$250 for a scholarship in agricultural engineering for the academic year 1954-55.

16. Mr. and Mrs. Forrest L. Forsythe, Chicago, \$300 for the Robert Wade Forsythe Memorial Scholarship in architecture for the academic year 1955-56.

17. General Electric Company, Schenectady, New York, \$500 for scholarships.

18. Illini Union Activities, \$343.02 for general undergraduate scholarships. This fund is the profit made from the circus organized by the Illini Union for high school boys attending the State Basketball Tournament.

19. Illinois Association for the Crippled, Inc., \$500 for scholarships in occupational therapy.

20. Illinois Congress of Parents and Teachers:

a. \$600 for three scholarships (\$200 each) for the academic year 1954-55. (The amount received to date is \$9,600.)

b. \$250 for a scholarship to be awarded to a student preparing to teach handicapped children. (The amount received to date is \$1,700.)

21. Illinois Federation of Women's Clubs, Chicago, \$1,827.61 for scholarships in occupational therapy.

22. Illinois Mining Institute, \$300 for scholarships in mining engineering.

23. Junior Women's Advertising Club of Chicago, \$240 for scholarships in journalism.

24. Kennecott Copper Corporation, New York City, \$2,000 for scholarships in chemical engineering.

25. The Kroger Company, Cincinnati, Ohio, \$1,200 for six scholarships (\$200 each) in agriculture and home economics for the academic year 1954-55.

26. \$2,750 from the following Lions Clubs in the Chicago area for graduate and undergraduate scholarships for students undertaking training for teaching of handicapped children: Lions Club of Logan Square for the Victor C. Neumann Scholarships, \$500; Higgins-Norwood Lions Club, \$500; West End Lions Club, \$500; Lions of District I-A Illinois, \$500; Mayfair Lions Club, \$500; Southwest Lions Club, \$250.

27. Meyer-Ceco Foundation, Chicago, \$2,000 for scholarships in engineering for the academic year 1956-57.

28. Mobil Producing Company, a Socony-Vacuum Company, Billings, Montana, \$750 for a scholarship in geology for the academic year 1954-55.

29. Monsanto Chemical Company, St. Louis, Missouri, \$500 for scholarships in chemical engineering for the academic year 1954-55.

30. John Morse Memorial Foundation, Chicago, \$3,000 for six scholarships (\$500 each) in engineering for the academic year 1954-55.

31. Mothers Association, University of Illinois, \$200 for two scholarships for the academic year 1954-55.

32. Old Ben Coal Corporation, Chicago, \$400 for scholarships in mining engineering for the second semester of 1953-54 and the first semester of 1954-55.

33. Peabody Coal Company, Chicago, \$200 for scholarships in mining engineering for the academic year 1954-55.

34. Henry A. Petter Supply Company, \$200 for a scholarship in mining engineering.

35. Pi Kappa Lambda, music fraternity, \$900 for scholarships in music.

36. Pittsburgh Consolidation Coal Company, Library, Pennsylvania, \$500 for a scholarship for a freshman in chemical engineering for the academic year 1954-55.

37. Praetorian Society, an organization of students residing in the University's Men's Residence Halls, \$120 for scholarships.

38. The Presser Foundation, Philadelphia, Pennsylvania, \$250 for a scholarship in music for the academic year 1953-54.

39. Rock Island County University of Illinois Mothers Association, \$100 for a scholarship to be awarded to a student attending the University from the metropolitan area of Rock Island, Moline, East Moline, or Silvis for the academic year 1954-55.

40. Scully-Jones and Company, Chicago, \$250 for a scholarship in mechanical or industrial engineering for the academic year 1954-55.

41. Sears-Roebuck Foundation, \$4,425 for scholarships in the College of Agriculture.

42. Square D Company, Detroit, Michigan, \$350 for a scholarship in electrical engineering for the academic year 1954-55.

43. Union Carbide and Carbon Corporation, New York City, \$346 for a scholarship for a senior in chemical engineering.

44. Universal Oil Products Company, Des Plaines, \$1,000 for a scholarship for a senior in chemical engineering for the academic year 1954-55.

45. University Concert and Entertainment Board, \$500 for scholarships in the School of Music.

46. University of Illinois Student Organization Fund, \$500 for scholarships.

47. Zeta Phi Eta, honorary speech fraternity, \$600 for scholarships in speech.

48. Anonymous, \$1,140 to be added to the James M. White Memorial Fund, the income to be used for awards and prizes to students in architecture.

49. Ballantine Books, Inc., New York City, \$675 to be added to the Benjamin Franklin Magazine Awards fund.

50. C. W. Beazley, Skokie, \$100 to be added to the emergency loan fund.

51. Inter-University Labor Education Committee (funds supplied by the Ford Foundation), \$1,726.50 for participation of the Institute of Labor and Industrial Relations with other universities in labor education programs (a continuation of previous grants).

52. The W. K. Kellogg Foundation, Battle Creek, Michigan:

a. \$22,000 for supplies and expenses essential to the continuance and improvement of the work of the National Association of Educational Broadcasters (the University of Illinois is the center for the NAEB).

b. \$75,000 for operating costs of the International Conference of Agricultural Economists. (The first payment of \$16,000 has been received.)

53. Mrs. C. Phillip Miller, Chicago, \$1,722 to be added to the Sinissippi Forest Trust Fund in support of forestry research.

54. National Association of Home Builders, \$800 to the Small Homes Council for the preparation of visual aid material or other educational and teaching aids in connection with the operation of the Council's space laboratory.

55. Reader's Digest, New York City, \$1,000 to aid students in the School of Journalism and Communications who wish to conduct small research projects of their own.

56. The Rockefeller Foundation, New York City, \$2,000 for the travel expenses of Professor Gottfried S. Fraenkel in connection with his sabbatical leave of absence.

57. Women's District Grand Lodge No. 6, B'nai B'rith, Chicago, \$100 for the Dr. Abram Leon Sachar Prize in history.

58. \$1,345 from the following donors for the Women Students Aid Fund: Dads Association, University of Illinois, \$100; Evans Hall (a residence hall for women), \$50; Shirley Jorgenson, Laveda Mayers, and Jean Walker, \$25; Lincoln Avenue Residence (North), \$100; Lincoln Avenue Residence (South), \$100; Joan E. Martin, \$15; Mothers Association, University of Illinois, \$150;

Mortar Board, \$300; Newcomers, University of Illinois, \$5; Women's Group System, University of Illinois, \$500.

Total, Undergraduate Scholarships, Prizes, and Other Financial Aid. . \$149,935.13

Funds for Graduate Fellowships and Research

59. Allied Chemical and Dye Corporation, New York City:
 - a. National Aniline Division, \$1,856 for the renewal of a fellowship in organic chemistry for the academic year 1954-55.
 - b. Nitrogen Division, \$1,636 for the renewal of a fellowship in organic chemistry for the academic year 1954-55.
60. American Cyanamid Company, New York City, \$2,156 for the renewal of a fellowship in chemistry for the academic year 1954-55.
61. Archer-Daniels-Midland Company, Minneapolis, Minnesota, \$1,550 for the renewal of a fellowship in food technology for the academic year 1954-55.
62. Armco Steel Corporation, Middletown, Ohio, \$1,800 for a fellowship in ceramic engineering for the academic year 1954-55.
63. Armour and Company, Chicago, \$3,000 for the renewal of two fellowships (\$1,500 each) in food technology for the academic year 1954-55.
64. Bakelite Company, New York City, \$3,300 for a fellowship in chemistry for the academic year 1954-55.
65. The California Company, New Orleans, Louisiana, \$1,750 for the renewal of a fellowship in geology for the academic year 1954-55.
66. Celanese Corporation of America, New York City, \$2,500 for the renewal of a fellowship in physics for the academic year 1954-55.
67. Cincinnati Chemical Works, Inc., Cincinnati, Ohio, \$1,756 for the renewal of a fellowship in chemistry and chemical engineering for the academic year 1954-55.
68. Colgate-Palmolive-Peet Company, Jersey City, New Jersey, \$1,228 for a fellowship in chemistry and chemical engineering for the academic year 1953-54.
69. Corning Glass Works, Corning, New York, \$5,000 for a postdoctoral fellowship in physics for the academic year 1954-55.
70. The Dow Chemical Company, Midland, Michigan, \$7,500 for the renewal of three fellowships in chemistry and chemical engineering (\$2,500 each) for the academic year 1954-55.
71. E. I. du Pont de Nemours and Company, Wilmington, Delaware:
 - a. \$3,056 for the renewal of a postgraduate fellowship in chemical engineering for the academic year 1954-55.
 - b. \$3,014 for the renewal of a postgraduate teaching fellowship in chemistry for the academic year 1954-55.
 - c. \$3,634 for a postgraduate fellowship in biochemistry in the Department of Bacteriology for the academic year 1954-55.
72. Eastman Kodak Company, Rochester, New York, \$2,536 for the renewal of a fellowship in chemistry for the academic year 1954-55.
73. Electro Metallurgical Company, New York City, \$3,300 for the renewal of a fellowship in mining and metallurgical engineering for the academic year 1954-55.
74. Ethyl Corporation, Detroit, Michigan, \$2,356 for the renewal of a fellowship in chemistry and chemical engineering for the academic year 1954-55.
75. Ferro Corporation, Cleveland, Ohio, \$2,816 for a fellowship in ceramic engineering for one year beginning February, 1954.
76. The Firestone Tire and Rubber Company, Akron, Ohio, \$1,856 for the renewal of a fellowship in chemistry for the academic year 1954-55.
77. Gardner-Denver Company, Quincy, \$2,000 for a fellowship in mechanical engineering for the academic year 1954-55.
78. Illinois Clay Products Company, Joliet, \$4,000 for the renewal of two fellowships in geology for the academic year 1954-55.
79. Eli Lilly and Company, Indianapolis, Indiana, \$1,924 for a fellowship in chemistry and chemical engineering for the academic year 1954-55.
80. Lindsay Chemical Company, West Chicago, \$356 to supplement a fellowship in chemistry for the academic year 1954-55.

81. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota, \$4,000 for the renewal of two fellowships (\$2,000 each), one in chemistry and one in chemical engineering, for the academic year 1954-55.

82. Monsanto Chemical Company, St. Louis, Missouri, \$2,636 for the renewal of a fellowship in chemistry and chemical engineering for the academic year 1954-55.

83. Motorola, Incorporated, Chicago, \$750 to be added to the Galvin Fellowship.

84. National Foundation for Infantile Paralysis, \$1,000 for laboratory expenses supplementing a fellowship in the Department of Bacteriology, College of Liberal Arts and Sciences, under the direction of Professor S. A. Luria.

85. National Lead Company:

a. Baroid Sales Division, Houston, Texas, \$2,400 for the renewal of a fellowship in geology for the academic year 1954-55.

b. Titanium Alloy Manufacturing Division, Niagara Falls, New York, \$2,000 for the renewal of a fellowship in ceramic engineering for the academic year 1954-55.

86. The Edward Orton, Jr. Ceramic Foundation, Columbus, Ohio, \$3,100 for the renewal of a fellowship in ceramic engineering for the second semester of 1953-54 and the first semester of 1954-55 (\$1,600) and a new fellowship in ceramic engineering for the academic year 1954-55 (\$1,500).

87. Owens-Corning Fiberglass Corporation, Newark, Ohio, \$1,700 for the renewal of a fellowship in glass technology in the Department of Ceramic Engineering for the academic year 1954-55.

88. Owens-Illinois Glass Company, Toledo, Ohio, \$1,850 for the renewal of a fellowship in ceramic engineering for the academic year 1954-55.

89. Pan American Refining Corporation, Texas City, Texas, \$1,750 for the renewal of a fellowship in chemical engineering for the academic year 1954-55.

90. Parke, Davis and Company, Detroit, Michigan:

a. \$1,900 for the renewal of a fellowship in chemistry, under the direction of Dr. Carl S. Vestling, for the academic year 1954-55.

b. \$2,050 for a fellowship in chemistry, under the direction of Dr. Edward C. Taylor, for the academic year 1953-54.

91. Pittsburgh Consolidation Coal Company, Library, Pennsylvania, \$2,606 for the renewal of a fellowship in chemical engineering for the academic year 1954-55.

92. Procter and Gamble Company, Cincinnati, Ohio, \$3,300 for the renewal of a fellowship in chemistry for the academic year 1954-55.

93. Radio Corporation of America, New York City, \$2,700 for the renewal of a fellowship in electrical engineering for the academic year 1954-55.

94. Rohm and Haas Company, Philadelphia, Pennsylvania, \$2,000 for the renewal of a fellowship in chemistry for the academic year 1954-55.

95. G. D. Searle and Company, Chicago, \$2,520 for the renewal of a fellowship in chemistry for the academic year 1953-54.

96. Shell Fellowship Committee, New York City, \$4,512 for the renewal of two fellowships (\$2,256 each), one in chemical engineering and one in geology, for the academic year 1954-55.

97. Sinclair Refining Company, New York City, \$2,500 for the renewal of a fellowship in chemistry for the academic year 1954-55.

98. Socony-Vacuum Laboratories, New York City, \$6,000 for two fellowships (\$3,000 each) in chemistry for the academic year 1954-55.

99. The Standard Oil Company, Cleveland, Ohio, \$2,100 for the renewal of the Sohio Fellowship in chemistry and chemical engineering for the academic year 1954-55.

100. The Standard Oil Company of California, San Francisco, California, \$2,386 for the renewal of a fellowship in chemistry and chemical engineering for the academic year 1954-55.

101. Standard Oil Foundation, Inc., Chicago:

a. \$2,500 for the renewal of a fellowship in chemistry for the academic year 1954-55.

b. \$2,350 for a fellowship in civil engineering for the academic year 1954-55.

102. Henry Strong Educational Foundation, Chicago, \$600 for the renewal of a fellowship in electrical engineering for the academic year 1954-55.

103. Sylvania Electric Products, Inc., Bayside, New York, \$1,500 for a fellowship in physics for the academic year 1954-55.
104. TI-GSI Foundation, Dallas, Texas, \$2,500 for the renewal of a fellowship in physics of the solid state for the academic year 1955-56.
105. United States Rubber Company Foundation, New York City, \$3,300 for a fellowship in chemistry for the academic year 1954-55.
106. Victor Chemical Works, Chicago, \$2,000 for the renewal of a fellowship in chemistry for the academic year 1954-55.
107. Westinghouse Educational Foundation, Pittsburgh, Pennsylvania, \$2,000 for the renewal of a fellowship in electrical engineering for the academic year 1954-55.
108. Abbott Laboratories, Chicago, \$1,000 to the Department of Animal Science for a study of arsanilic acid in swine rations.
109. African Violet Society of America, Inc., Cincinnati, Ohio, \$500 to the Department of Horticulture for research on plant parasitic nematodes on African violets.
110. Aircraft Owners and Pilots Association, Inc., Washington, D.C., \$4,056.25 to the Institute of Aviation for research entitled "180° Rating Project."
111. American Cancer Society, New York City:
 - a. \$2,619.29 to the Department of Botany for a study on plant tumors produced by virus, under the direction of Professor Lindsay M. Black (Grant BO-1F).
 - b. \$2,000 to the Department of Food Technology for a study of the interrelationship between unsaturated fat, riboflavin, and the carcinogenic activity of p-dimethylaminoazobenzene, under the direction of Dr. Fred A. Kummerow (Grant CH-12).
 - c. \$3,780 to the Department of Botany for a study of the effect of indole-3-acetic acid and other plant growth substances on the assimilation of pyruvate by wheat roots, under the direction of Dr. James F. Nance (Grant CP-43B).
 - d. \$24,450 to the Department of Bacteriology for studies on virus growth and structure and on host virus specificity, under the direction of Professor S. E. Luria (Grant V-3G).
112. Armour and Company, Chicago:
 - a. \$5,000 to the Division of Animal Nutrition for research.
 - b. \$3,000 to the Department of Food Technology for a study of the factors which affect the stability of highly unsaturated fatty acids.
113. Chicago Bridge and Iron Foundation, Chicago, \$3,500 for a research assistantship in structural engineering for the academic year 1954-55.
114. Dow Chemical Company, Midland, Michigan, \$2,800 to the Department of Agronomy for research on herbicides (\$1,800) and for studies in chemical weed control (\$1,000).
115. E. I. du Pont de Nemours and Company, Wilmington, Delaware:
 - a. \$500 to the Department of Agronomy for research on weed control.
 - b. \$15,000 to the Department of Chemistry and Chemical Engineering for fundamental research for the academic year 1955-56.
116. Freeburg Brothers, Memphis, Tennessee, \$1,000 to the Small Homes Council for a study of minor exterior accessories.
117. Illinois Agricultural Association, Chicago, \$8,000 for the employment of a farm safety specialist.
118. Illinois Farm Supply Company, \$4,000 to the Departments of Animal Science and Dairy Science for research.
119. Illinois Seed Dealers Association, Inc., \$1,000 to the Department of Agronomy for operating expenses for the exhibit trailer previously donated by them.
120. Illinois Seed Producers Association of Champaign, \$3,200 to the Department of Agronomy for an investigation of the production and characteristics of hybrid corn and parent seed stocks.
121. Illinois Seed Producers Association, Inc., \$6,333.76 to the Department of Agronomy for corn research.
122. Eli Lilly and Company, Indianapolis, Indiana, \$3,500 to the Department of Chemistry and Chemical Engineering for research on the anti-thyrototoxic factor.
123. Lumber Dealer's Research Council, Fennington, New Jersey, \$1,410 to the Small Homes Council for research.

124. Merck and Company, Inc., Rahway, New Jersey, \$750 to the Department of Horticulture for a study of antibiotics.
125. Midwest Barley Improvement Association, Milwaukee, Wisconsin, \$200 to the Department of Agronomy for barley variety fertilizer tests at Woodstock.
126. Monsanto Chemical Company, St. Louis, Missouri, \$1,250 to the Department of Agronomy for a study of herbicides.
127. Motorola, Incorporated, Chicago:
 - a. \$1,300 to the Department of Physics for research on insulators.
 - b. \$4,000 to the Department of Electrical Engineering for research on transistors.
 - c. \$3,950 to the Department of Electrical Engineering for research on microwave transmission.
128. National Livestock and Meat Board:
 - a. \$4,650 to the Department of Physiology for a study of the effects of a sustained diet of meat for one year on nitrogen, calcium, phosphorus, sodium, and potassium metabolism.
 - b. \$4,000 to the Department of Food Technology for a study of biological utilization of fatty acid isomers.
129. National Oak Wilt Research Committee, \$3,500 to the State Natural History Survey for research on oak wilt disease.
130. National Science Foundation, Washington, D.C., in support of the following research:
 - a. \$12,000 for research on photo production of pi-mesons, under the direction of Professor Donald W. Kerst, Department of Physics (G456).
 - b. \$1,867.34 for an investigation of the pyridinopyrimidines, under the direction of Dr. Edward C. Taylor, Department of Chemistry and Chemical Engineering (G465).
 - c. \$7,000 for a conference on solid state physics in engineering education, under the direction of Dr. Frederick Seitz (G696).
 - d. \$11,800 for research on adsorption processes at electrode surfaces, under the direction of Professor Herbert A. Laitinen, Department of Chemistry and Chemical Engineering (G750).
 - e. \$5,500 for research on isolation and characterization of plant viruses, under the direction of Professor Lindsay M. Black, Department of Botany (G953).
 - f. \$6,200 for research on mappings from spheres to Euclidean spaces, under the direction of Dr. Chung-Tao Yang, Department of Mathematics (G1125).
 - g. \$8,600 for research on inelastic behavior of columns, under the direction of Professors Marlyn E. Clark and Omar M. Sidebottom, Department of Theoretical and Applied Mechanics (G1200).
 - h. \$14,500 for research on the analytical program for digital computer, under the direction of Professor Abraham H. Taub (G1221).
 - i. \$3,400 for research on transference numbers of salts in nonaqueous solvents, under the direction of Professor B. Roger Ray, Department of Chemistry and Chemical Engineering (G1329).
131. National Stock Yard Company of St. Louis, \$1,250 to the Department of Agricultural Economics for studies on the marketing of hogs on a live quality basis.
132. National Vitamin Foundation, Inc., New York City, \$7,222.80 to the Department of Animal Science for research on radioactive Vitamin A (\$2,272.80) and for a study on the role of Vitamin B₁₂ in animal nutrition (\$4,950).
133. Niagara Chemical Division of the Food Machinery and Chemical Company, \$1,300 to the Department of Horticulture for research on the chemical thinning of fruits.
134. Northern Illinois Breeding Cooperative, \$5,139.55 to the Department of Dairy Science for research.
135. Pfister Associate Growers, Inc., Aurora, \$50 to the College of Veterinary Medicine for research.
136. Procter and Gamble Company, Cincinnati, Ohio, \$5,000 to the Department of Chemistry and Chemical Engineering for investigations of the lipides of wheat.

137. Riverdale Chemical Company, Harvey:
 - a. \$500 to the State Natural History Survey for research on insecticides.
 - b. \$1,000 to the Department of Agronomy for investigations on weed and brush control problems.
138. The Rockefeller Foundation, New York City:
 - a. \$2,800 for American Studies in Kyoto, Japan, under the sponsorship of Kyoto University, Doshisha University, and the University of Illinois.
 - b. \$3,750 for the costs of study of European sales taxes by Professor John F. Due of the Department of Economics.
139. Rohm and Haas Company, Philadelphia, Pennsylvania, \$500 to the Department of Horticulture for field studies on fungicides for fruit diseases.
140. Sharp and Dohme, Inc., West Point, Pennsylvania, \$1,325 to the College of Veterinary Medicine for research.
141. Southern Illinois Breeding Association, \$1,919.10 to the Department of Dairy Science for research.
142. Stauffer Chemical Company, New York City, \$500 to the Department of Horticulture for studies on investigation of captan and mercury on apples and strawberries.
143. Swift and Company, Chicago:
 - a. \$5,000 to the Department of Animal Science for research on the effect of physical form of the ration on utilization by growing-fattening lambs.
 - b. \$7,000 to the Department of Food Technology for a study of the reversion factor in beef tallow.
144. Tennessee Corporation Research Laboratories, College Park, Georgia, \$400 to the Department of Horticulture for research in fungicides for the control of diseases of fruits, vegetables, and ornamentals.
145. Transparent Package Company Foundation, Chicago, \$500 to the Department of Food Technology for a study of various types of films as retardants to deterioration of meat and meat products.
146. Union Carbide and Carbon Corporation, New York City, \$500 to the Department of Horticulture for studies of fungicides.
147. Union Stock Yard and Transit Company, Chicago, \$1,000 to the Department of Agricultural Economics to expand adult education work, to improve the quality of hogs produced for market in the state of Illinois, and to encourage the marketing of hogs on a quality basis.
148. United Cerebral Palsy Association, Inc., New York City, \$13,085.28 to the Institute for Research on Exceptional Children for a study of the language process of preschool cerebral palsied children.
149. United States Public Health Service, for support of the following research and educational programs:
 - a. \$12,000 for a study in the biological utilization of food emulsifiers and bread softening agents of the polyhydroxy ester type, under the direction of Dr. Fred A. Kummerow, Department of Food Technology, for two years beginning September 1, 1953 (A-257).
 - b. \$15,120 for a study to determine the basic nutrition of virulent insects, under the direction of Dr. Gottfried S. Fraenkel, Department of Entomology, for two years beginning September 1, 1953 (E-533).
 - c. \$24,815 for a study of metabolic mechanisms, under the direction of Dr. Irwin C. Gunsalus, Department of Bacteriology, for two years beginning September 1, 1953 (A-562).
 - d. \$19,990 for a study of the chemistry and metabolism of the sphingolipides, under the direction of Dr. Herbert E. Carter, Department of Chemistry and Chemical Engineering, for two years beginning September 1, 1953 (B-574).
 - e. \$27,777 for studies of the generality and behavioral correlates of social perception, under the direction of Dr. Nathaniel L. Gage, Bureau of Educational Research, for two years beginning September 1, 1953 (M-650).
 - f. \$6,508 for a study of the survival of protozoa at freezing temperatures, under the direction of Dr. Norman D. Levine, College of Veterinary Medicine, for one year beginning September 1, 1954 (E-790).
 - g. \$5,400 for the study of the relation of dietary fats to atherosclerosis, under the direction of Dr. Fred A. Kummerow, Department of Food Technology, for one year from September 1, 1954 (H-1819).

h. \$12,000 for a study on the possible carcinogenic activity of polymerized fats, under the direction of Dr. Fred A. Kummerow, Department of Food Technology, for two years beginning September 1, 1953 (C-1932).

i. \$14,190 for a study of the effect of high temperatures on the inactivation of enzymes on the destruction of microorganisms and on some physical-chemical properties of cream and milk, under the direction of Dr. Paul H. Tracy, Department of Food Technology, for two years beginning September 1, 1953 (RG-1947).

j. \$21,600 for the study of the nature, causes, and control of housefly resistance to insecticides, under the direction of Dr. George C. Decker, Agricultural Experiment Station, for two years beginning September 1, 1953 (RG-2623).

k. \$10,990 for a study of the effect of uterine distention on the endocrine function of the pituitary gland, under the direction of Dr. Andrew V. Nalbandov, Department of Animal Science, for two years beginning September 1, 1953 (RG-3557).

l. \$29,167 for a study of the structure and biosynthesis of antibiotic substances, under the direction of Dr. Herbert E. Carter, Department of Chemistry and Chemical Engineering, and Dr. David Gottlieb, Department of Horticulture, for two years beginning September 1, 1953 (G-4118).

m. \$500 for a grant-in-aid, under the direction of Dr. S. Meryl Rose, Department of Zoology, for one year beginning June 18, 1954 (CF-4736).

n. \$500 for a grant-in-aid, under the direction of Dr. Irwin C. Gunsalus, Department of Bacteriology, for one year beginning September 1, 1954 (CF-4953).

o. \$37,295 for training in clinical psychology, under the direction of Dr. J. McVicker Hunt, Department of Psychology, for two years beginning July 1, 1953 (2M-5089).

p. \$6,500 for a study to discover the relations between mental health and the social structure of the work situation, under the direction of Dr. Robert Dubin, Department of Sociology and Anthropology, for six months beginning February 1, 1953 (M-484-C).

q. \$19,800 for a study to determine the synthesis and maintenance of intracellular enzymes, under the direction of Dr. Sol Spiegelman, Department of Bacteriology, for two years from January 1, 1953 (C-1094).

r. \$9,965 for research on the isolation and characterization of liver enzymes from tumor-bearing rats, under the direction of Dr. Carl S. Vestling, Department of Chemistry and Chemical Engineering, for one year from January 1, 1953 (C-1856).

s. \$12,510 for a study to determine the characteristics of development sites of flood water mosquitoes in order to obtain information that will provide a rational basis for abatement procedures, under the direction of Dr. William R. Horsfall, Department of Entomology, for two years from February 1, 1953 (G-3356).

t. \$850 for research to be done at Urbana-Champaign in connection with a Chicago United States Public Health grant (G3415), under the direction of Dr. Maurice K. Fahnestock, Department of Mechanical Engineering.

u. \$289.57 for a study of the factors controlling enzyme synthesis in cells, under the direction of Drs. Otto E. Landman and Sol Spiegelman, Department of Bacteriology (6C-1760F-C).

v. \$1,040 for an investigation of S 13 bacteriophage, under the direction of Dr. S. E. Luria, Department of Bacteriology, for two years from November 10, 1952 (6E-3893F).

w. \$15,317 for a study to discover methods and principles that can be used later in the development of instruments to assist in screening out persons in need of diagnosis and treatment for mental disorders, under the direction of Dr. Louis L. McQuitty, Department of Psychology, for one year from July 1, 1953 (3M-9020-C3).

x. \$16,000 for the completion of personality structure investigation, in terms of objective test, factor measure to children, under the direction of Dr. Raymond B. Cattell, Department of Psychology, for one year from September 1, 1953 (MH-80-C5-R).

y. \$3,155 for an ecological, morphological, physiological comparative study of diphylobathrium in North America for differentiating species infecting man from those infecting fish-eating birds, under the direction of Dr. Lyell J. Thomas, Department of Zoology, for one year from August 1, 1953 (E-125C2).

z. \$6,137 for a study of the search for viruses that parasitize protozoa, under the direction of Dr. Norman D. Levine, College of Veterinary Medicine, for one year from September 1, 1953 (E-387C).

aa. \$4,098 for a study of the metabolism of amino acids labeled with radioactive carbon, under the direction of Dr. George Wolf, Department of Animal Science, for one year from January 1, 1954 (A-493).

bb. \$9,965 for a study of the isolation and characterization of liver enzymes from normal and tumor-bearing rats, under the direction of Dr. Carl S. Vestling, Department of Chemistry and Chemical Engineering, for one year from June 1, 1954 (C-1856-C).

cc. \$8,534 for a study of the synthesis of new potential purine and pteroyl-glutamic acid antagonists, under the direction of Dr. Edward C. Taylor, Department of Chemistry and Chemical Engineering, for one year from September 1, 1953 (C-2031).

dd. \$19,387 for a study of the effect of water treatment methods on water main carrying capacity, under the direction of Dr. Arthur M. Buswell, State Water Survey, for one year from May 1, 1954 (G-4007-R).

ee. \$43,514 for communication of information on mental health, a preliminary analysis and prospectus for research, under the direction of Dr. Wilbur Schramm, Institute of Communications Research, for two years from January 1, 1954 (3M-9067).

150. Velsicol Corporation, Chicago, \$2,500 to the Department of Zoology for investigation of the toxicity of chlorinated hydrocarbons.

151. Western Cartridge Company, a division of Olin Industries, East Alton, \$2,600 to the State Natural History Survey for research in migratory waterfowl.

152. Wisconsin Alumni Research Foundation, \$8,100, and Midwest Universities Research Association, \$16,011, to the Department of Physics for work on the cosmotron development. (The original grant was made by the National Science Foundation. Funds were then distributed to the participating institutions in MURA by the Wisconsin Research Foundation.)

153. F. H. Woodruff and Sons, Inc., Milford, Connecticut, \$500 to the Department of Horticulture for research on nematode problems.

154. \$11,675 from the following donors for College of Agriculture research and educational programs in farm electrification: Association of Illinois Electric Cooperatives, \$3,500; Central Illinois Electric and Gas Company, Rockford, \$425; Central Illinois Light Company, Peoria, \$550; Central Illinois Public Service Company, Springfield, \$1,250; Commonwealth Edison Company, Chicago, \$3,500; Illinois Power Company, Decatur, \$2,450.

Total, Funds for Graduate Fellowships and Research.....\$845,547.94

Gifts of Equipment, Library Materials, Works of Art, and Funds for Maintenance of Gifts

155. Norman M. Schneider, Allison Manufacturing Company, Inc., New York City, a painting, "In the Glen," by Gustave Courbet (1819-1877).

156. William E. Britton, Professor of Law, *Emeritus*, his private mineral collection consisting of six hundred specimens.

157. Caterpillar Tractor Company, Peoria, to the Department of Mechanical Engineering, a casting shakeout machine (estimated value, \$1,500).

158. Chicago Natural History Museum, to the University's Museum of Natural History, several hundred mammal skins and mammal skulls (estimated value, \$500).

159. Colleagues and pupils of Dr. Frederick H. Falls, Professor of Obstetrics and Gynecology, *Emeritus*, to the College of Medicine, a portrait of Dr. Falls by Carl Tolpo.

160. Commonwealth Edison Company, Chicago, to the Department of Mechanical Engineering, refrigeration equipment.

161. Cummins Engine Company, Inc., Columbus, Indiana, to the Department of Mechanical Engineering, a cutaway fuel pump and injector (estimated value, \$507) and a production model of the pump and injector (estimated value, \$342).

162. Foreign students at the University of Illinois, a portrait of Dr. Arthur Hamilton, Professor of Spanish and Dean of Foreign Students, *Emeritus*.

163. Illinois Gear and Machine Company, Chicago, to the Department of Mechanical Engineering, twenty-two gear models (estimated value, \$9,000).

164. Estate of Maude S. Lundgren, deceased, a Japanese ceremonial sword and an oil painting of the late Carl Lundgren, former Professor of Physical Education and Baseball Coach.

165. The National Academy of Design, bequest of Mrs. William T. Brewster, to the College of Fine and Applied Arts, a small group of original studies (drawings, water colors, and oils) by William T. Richards, N.A. (1833-1905).

166. Superior Air Products Company, Newark, New Jersey, to the Department of Physics, one 25-liter Supairco liquid air container (estimated value, \$100).

Total, Colleges and Schools at Urbana-Champaign.....\$995,483.07

Chicago Professional Colleges

Funds Received from Private Industries, Foundations, Other Organizations, and Government Agencies for Research and Graduate Study

167. Abbott Laboratories, North Chicago, \$4,032 to the Department of Medicine for a study of repository penicillin, under the direction of Dr. Harry F. Dowling, for six months beginning December 1, 1953.

168. Armour Laboratories, Chicago, \$3,600 to the Department of Medicine for the Armour Hematology Fund, for research under the direction of Dr. Louis R. Limarzi.

169. Burroughs Wellcome Research Laboratories, \$1,000 to the Department of Medicine for research on Compound 48-80, under the direction of Dr. Max Samter.

170. Ciba Pharmaceutical Products, Inc., Summit, New Jersey, \$2,500 to the Department of Medicine for studies in hypertension, under the direction of Dr. Ford K. Hick, for one year beginning July 1, 1954.

171. Commonwealth Engineering Company, \$330 to the Department of Physiology for research on ability of enzymatically hydrolyzed dextran to expand plasma volume, under the direction of Dr. Raymond C. Ingraham.

172. Davis and Geck, Inc., Brooklyn, New York, \$500 to the Department of Surgery supplementing a visual education grant established in 1950 for the work of Drs. Warren H. Cole and Hilger P. Jenkins.

173. Gillette Safety Razor Company, Boston, Massachusetts, \$2,460.37 to the Department of Clinical Science for a study of the role of the sulfhydryl group in cellular metabolism.

174. Hoffman-LaRoche, Inc., Nutley, New Jersey, \$1,675 to the Department of Surgery for the research problem opiate antagonist, under the direction of Dr. Max S. Sadove (\$1,500) and for a study of liver resection under arfonad, under the direction of Dr. Warren H. Cole (\$175).

175. Lederle Laboratories Division, American Cyanamid Company, \$1,200 to support the work of two medical students.

176. Parke, Davis and Company, Detroit, Michigan, \$3,600 to the Department of Biological Chemistry for a study on blood dyscrasias, under the direction of Dr. Stephen B. Binkley, for one year beginning December 1, 1953.

177. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania:

a. \$3,000 for a fellowship in the Department of Pharmacology, under the direction of Dr. Klaus R. W. Unna, for one year beginning September 1, 1954.

b. \$2,500 for research in neurophysiology, under the direction of Dr. R. W. Gerardin, Department of Psychiatry.

178. Upjohn Company, Kalamazoo, Michigan, \$2,500 to the Department of Applied Materia Medica and Therapeutics, College of Dentistry, for a preliminary investigation of effects of hydrocortisone on gingival tissue, under the direction of Dr. Donald A. Wallace.

179. Hematology Research Foundation:

a. \$3,800 to the Department of Medicine for in vitro and in vivo studies in eosinophilic leukemia, under the direction of Dr. Robert M. Kark, for one year beginning October 1, 1952.

b. \$3,300 to the Department of Medicine for a study of the effect of the spleen on anti-erythrocytic auto-antibody formation, under the direction of Dr. Louis R. Limarzi.

180. Jack Holtzman Memorial Cancer Fund, \$1,303 for research studies on brain tumors, under the direction of Drs. Percival Bailey and Arthur Arnold, Department of Neurology and Neurological Surgery.

181. W. K. Kellogg Foundation, \$20,000 to the College of Dentistry for the extension postgraduate teaching program by telephone and television.

182. Lakeland Foundation, Chicago, \$7,764 to the Department of Clinical Science for a study to attempt to isolate growth stimulating and inhibiting agents from the liver or intestinal mucosa, under the direction of Dr. Andrew C. Ivy, for the period January 1, 1954, through October 31, 1954.

183. The National Foundation for Infantile Paralysis, \$31,376 to the Department of Public Health for laboratory studies in connection with field studies of poliomyelitis vaccine, under the direction of Dr. Howard J. Shaughnessy, for the period September 1, 1954, through June 30, 1955.

184. National Foundation for Medical Education, Inc., \$34,766 to the College of Medicine for educational programs (\$3,141 of this having been contributed by individual physicians).

185. National Golf Foundation, Chicago, \$1,000 for a comprehensive study of the natural history of annual bluegrass, chickweed, and crabgrass, under the direction of Dr. Ralph F. Voight, Director of the Drug and Horticultural Experiment Station.

186. National Vitamin Foundation, \$3,600 to the Department of Medicine for a study of carnitine (Vitamin B₇) levels in the blood, urine, and skeletal muscle of healthy individuals and in patients suffering from nutritional disease, under the direction of Dr. Robert M. Kark, for one year beginning July 1, 1954.

187. The Rockefeller Foundation, New York City, \$4,000 for the purchase of a special high voltage portable X-ray unit to be used by the Neuropsychiatric Institute.

188. American Heart Association, New York City, \$5,250 to the Department of Physiology for a study of the pathogenesis and treatment of experimental renal hypertension, neurogenic hypertension, and experimental malignant hypertension, under the direction of Dr. George E. Wakerlin, for one year beginning July 1, 1953.

189. American Cancer Society, Inc., New York City:

a. \$5,906.25 to the Department of Anatomy for research on therapy of mouse leukemia, cellular and host factors in refractoriness to chemotherapeutic agents, under the direction of Dr. Arthur Kirschbaum, for the period July 1, 1953, through September 1, 1954.

b. \$6,000 to the Department of Pathology for a study of the changes in the connective tissue stroma of the cyclic organs of reproduction as influenced by hormones, under the direction of Dr. Hubert R. Catchpole, for one year beginning July 1, 1953.

c. \$7,117.40 to the Department of Neurology and Neurological Surgery for a study of the effects of fractionated high energy (23 mev) radiations on the central nervous system of the Macaque monkey, under the direction of Dr. Arthur Arnold.

d. \$6,170 to the Department of Radiology for a localization study of alpha-hydroxy-phenazine and related substances by means of radioactive tracers, under the direction of Dr. Walter S. Moos.

190. American Society of Heating and Ventilating Engineers, New York City, \$825 to the Department of Medicine for a study of physiological adjustments of human beings to sudden changes in atmospheric environment, under the direction of Dr. Ford K. Hick.

191. Asthmatic Children's Aid, Chicago:

a. \$5,000 to the Department of Medicine for a study of allergy antigens, under the direction of Dr. Max Samter, for a period of one year from July 1, 1954.

b. \$1,000 to the Department of Medicine for studies in the Histochemical Research Laboratory, under the direction of Dr. Ben Z. Rappaport, for one year from July 1, 1954.

192. California Fruit Growers Exchange, \$600 to the Department of Clinical Science for expenses to cover a pancreatic study, under the direction of Dr. Andrew C. Ivy.

193. Chicago Heart Association:

a. \$5,906.25 to the Department of Biological Chemistry for studies on the serum polysaccharides in cardiovascular disease, under the direction of Drs. Richard J. Winzler and Mark H. Lepper, for one year beginning July 1, 1954.

b. \$8,875 to the Department of Physiology for a study of the pathogenesis and treatment of experimental renal hypertension in dogs and monkeys, under the direction of Dr. George E. Wakerlin, for one year beginning July 1, 1954.

194. Chicago Museum of Medical Sciences, private bookcases of Dr. Oliver Wendell Holmes, a check bearing the signature of Dr. Holmes, and sculptured pieces of historical personalities.

195. Illinois Federation of Women's Clubs, \$2,628 to the Tumor Research Fund for research under the direction of Dr. Danely P. Slaughter, Department of Surgery.

196. National Tuberculosis Association, \$4,266 to the Department of Biological Chemistry for studies on mucoproteins of human plasma, under the direction of Dr. Richard J. Winzler, for one year beginning April 1, 1953.

197. United Cerebral Palsy Association:

a. \$12,050 to the Department of Neurology and Neurological Surgery for cerebral palsy research work, under the direction of Dr. Frederic A. Gibbs.

b. \$2,898 to the Department of Medicine for a study on serial electroencephalograms in acute infectious and post-infectious encephalitis, under the direction of Dr. Mark H. Lepper, beginning January 1, 1954.

198. WLS Prairie Farmer Christmas Neighbor's Club, a Colson inhalator.

199. Women's Auxiliary of the University of Illinois Chicago Professional Colleges, \$1,000 to the Research and Educational Hospitals for special duty emergency nursing.

200. \$150 from the following donors for the Otolaryngology Fund: the Highway Agency, \$50; the Highway Casualty Company, \$50; Associated Hospital Service of Illinois, \$50.

201. \$1,355 from the following donors for the Orthopaedic Surgery Gift Fund: Drama Club of Evanston, \$500; Illinois Student Occupational Therapy Association, \$25; Kappa Alpha Theta Sorority, \$100; Women of the Rotary Club of Chicago, \$600; Women's Auxiliary of the University of Illinois Chicago Professional Colleges, \$130.

202. United States Public Health Service, for support of the following research and educational programs:

a. \$2,812.69 for a study of the effect of thyroid hormone, adrenalcortical hormone, and high levels of blood glucose on the histologically normal pancreatic islets of rats receiving small doses of alloxan, under the direction of Dr. Arthur Kirschbaum, Department of Anatomy, for one year beginning December 1, 1952 (A-102-C).

b. \$4,613.49 for an electron microscopic study of the glomerulus, especially its basement membrane in normal and nephritic mice, under the direction of Dr. Parke H. Simer, Department of Anatomy, for one year beginning April 1, 1954 (A-636-C2).

c. \$13,608.38 for a study of the site of action on the central nervous system of drugs useful in spastic conditions, under the direction of Dr. Klaus R. W. Unna, Department of Pharmacology, for one year from July 1, 1953 (B-28-C3).

d. \$2,156.27 for electroencephalographic findings of strabismus, under the direction of Dr. Manuel L. Stillerman, Department of Ophthalmology, for one year from March 1, 1954 (B08-C).

e. \$4,524.92 for a study of projection system of the cerebral cortex in the primate, under the direction of Dr. Gerhardt von Bonin, Department of Anatomy, for one year from April 1, 1954 (B358-C).

f. \$5,568 for a study to ascertain dyes which stain gastric mucosa when taken orally, under the direction of Dr. Andrew C. Ivy, Department of Clinical Science, for one year beginning July 1, 1953 (C737-C5).

g. \$3,726 for a study of the effects of betatron electron beam on bone and cartilage, under the direction of Drs. Granville A. Bennett and Roger A. Harvey, Departments of Pathology and Radiology, beginning September 1, 1953 (C-854-C3).

h. \$3,760.30 for a study of the intrinsic tissue susceptibility of mice to carcinogenic stimuli resulting in development of pulmonary, ovarian, and adrenal tumors, under the direction of Dr. Arthur Kirschbaum, for one year beginning September 1, 1953 (C1542-C3).

i. \$7,850 for studies of induction of leukemia and other neoplasms in mice and experimental therapy of leukemia in mice, under the direction of Dr. Arthur Kirschbaum, Department of Anatomy, for one year beginning July 1, 1953 (C1543-C2).

j. \$10,398.94 for a study of synthetic metabolism of normal and abnormal human leukocytes, under the direction of Dr. Richard J. Winzler, Department of Biological Chemistry, for one year from September 1, 1953 (C-1828-C).

k. \$6,804 for a study of the production of melanin in vitro using tissue cultures of amelanotic melanomas, under the direction of Dr. Jewel I. Plummer, Department of Anatomy, for one year beginning June 1, 1953 (C-1986).

l. \$4,914 for a study of gonadotropine and ovarian X-ray effects, under the direction of Dr. James C. Plagge, Department of Anatomy, for one year from April 1, 1954 (C-2254).

m. \$3,367.97 for a study of nutrition gastrectomy, under the direction of Dr. Tilden C. Everson, Department of Surgery, for one year from September 1, 1953 (C-3628-C).

n. \$23,980.29 for cancer training grant, under the direction of Dr. Danely P. Slaughter, Tumor Clinic, for one year beginning April 1, 1954 (CT-630-C6).

o. \$5,000 for an undergraduate cancer training program in the College of Dentistry, under the direction of Dr. Isaac Schour, Department of Histology (CT-663-C6).

p. \$1,610 for research on facial growth, under the supervision of Dr. Bernard G. Sarnat, Department of Oral and Maxillofacial Surgery (D-26-C3).

q. \$540 for a study of electromyography of muscles of mastication, under the direction of Dr. Carlos I. Reed, Department of Physiology, for the period from October 1, 1952, through June 30, 1953 (D2877-C).

r. \$500 for a study of sex differences in the regeneration of the submaxillary glands of mice, under the direction of Dr. Joseph P. Weinmann, Division of Oral Pathology, for one year from February 1, 1954 (DF-4723).

s. \$8,089.98 for a study of the application of chromatographic and ion exchange absorption to the extraction of human viruses from diagnostic material as a means of increasing sensitivity of present isolation techniques, under the direction of Dr. Howard J. Shaughnessy, Department of Public Health, for one year beginning September 1, 1953 (E425-C).

t. \$5,400 for a study of the metabolism of virus infected chick ca membranes, under the direction of Dr. Max E. Rafelson, Jr., Department of Biological Chemistry, for one year beginning January 1, 1954 (E664).

u. \$4,222.66 for research on facial growth, under the supervision of Dr. Bernard G. Sarnat, Department of Oral and Maxillofacial Surgery, for one year beginning November 1, 1953 (G1091-C4).

v. \$8,500 for a study of the application of nuclear resonance techniques to pharmacological problems, under the direction of Drs. R. A. Kromhout and W. G. Moulton, for one year from January 1, 1954 (G3722-R).

w. \$3,510 for a study of tryptophan biosynthesis in microorganisms, under the direction of Dr. Max E. Rafelson, Jr., Department of Biological Chemistry, for one year from January 1, 1954 (G4175).

x. \$5,994 for a study of the quantitative estimation of vascular permeability with emphasis on alterations due to changes in blood pO_2 and pCO_2 , under the direction of Dr. Alfred A. Schiller, Department of Physiology, for one year from October 1, 1953 (H425-C4).

y. \$20,000 for a study of pathogenesis and treatment of experimental renal hypertension, neurogenic hypertension, and experimental malignant hypertension, under the direction of Dr. George E. Wakerlin, Department of Physiology, for one year from October 1, 1953 (H-428-C4).

z. \$7,917.04 for a study of isolation and characterizations of cardiac myofibrils, under the direction of Dr. George M. Hass, Department of Pathology (Rush), for one year beginning October 1, 1953 (H429-C4).

aa. \$7,452 for research on experimental arteriosclerosis and atherosclerosis in young and old rabbits, under the direction of Dr. George M. Hass, Department of Pathology, for one year from October 1, 1953 (H-452-C4).

bb. \$17,690 for a study of endothelial permeability in ascites and edema as modified by therapy, under the direction of Dr. Robert M. Kark, Department of Medicine, for one year from September 16, 1953 (H-1029-C2).

cc. \$5,000 for a study of glomerulonephritis in inbred mice, under the direction of Dr. Arthur Kirschbaum, Department of Anatomy, for one year from November 1, 1953 (H-1062-C2).

dd. \$3,240 for a study of gastro-duodenal pH and motility changes as influenced by hypertension and sympathectomy, under the supervision of Dr. Alexander J. Nedzel, Department of Pathology, for one year from September 1, 1953 (H1259-C).

ee. \$5,674.97 for a study of the endocrine effects on the metabolism and function of the myocardium, under the direction of Dr. William V. Whitehorn, Department of Physiology, for one year from January 1, 1954 (H-1353-C).

ff. \$3,037.74 for a study of the effects of long-term therapy with hexamethonium and hydrzinothalazine on renal hemodynamics and electrolytes, under the direction of Dr. James A. Schoenberger, Department of Medicine, for one year from December 1, 1953 (H-1354-C).

gg. \$10,000 for a study of the measurement of the metabolic turnover times of the electrophoretic plasma protein components in cardiac decompensation and in diseases of the vascular system of presumed hyperimmune etiology, under the direction of Dr. S. Howard Armstrong, Department of Medicine, for one year from January 1, 1954 (H-1511).

hh. \$5,839 for an investigation of the effects of chronic ascorbic acid deficiency and of trypsin on the arterial wall in "normal" and in the hypercholesterolemic animals, under the direction of Dr. Conrad L. Pirani, Department of Pathology, for one year from January 1, 1954 (H-1576).

ii. \$14,201.48 for a study of renal glomeruli—their antigenic and chemical qualities, under the direction of Dr. Cecil A. Krakower, Department of Pathology, for one year from September 1, 1953 (H-1623-C2).

jj. \$11,683.82 for a study of renal hemodynamics as influenced by drugs, under the direction of Dr. Theodore R. Sherrod, Department of Pharmacology, for one year from July 1, 1954 (H-1665-C2).

kk. \$25,000 for an undergraduate cardiovascular training grant, under the direction of Dr. Roger A. Harvey, for one year from September 1, 1953 (HT-300-C4).

ll. \$14,023 for a study of the analysis of the factors involved in the psycho-analytic therapy process, under the direction of Dr. Milton J. Schiffrin, Department of Psychiatry, for one year from June 1, 1954 (M-637-C).

Total, Funds Received from Private Industries, Foundations, Other Organizations, and Government Agencies for Research and Graduate Study.....\$509,014.21

Funds Received from Individuals

203. Anonymous donors:

a. \$2,000 to the Haffa Cardiovascular Surgery Fund, Department of Surgery.

b. \$1,410 for cancer research, under the direction of Dr. Danely P. Slaughter, Tumor Clinic.

c. \$50 to the Anonymous Psychiatry Gift Fund.

d. \$105 to the Anonymous Clinical Science Gift Fund, under the direction of Dr. Andrew C. Ivy.

e. \$400 for the Patrick and Bertha Mooney Scholarship Fund.

f. \$200 for research in the Department of Anatomy.

204. Walter R. Barker, Chicago, \$1,000 for a study of the chemical basis of epilepsy, under the direction of Dr. Frederic A. Gibbs, Department of Neurology and Neurological Surgery.

205. Berkelhamer family, \$100 for the annual Dr. Ralph C. Berkelhamer Scholarship (this scholarship was started in 1946).

206. Buechle-Greider Postgraduate Teaching Fund, \$200 for research in the Department of Surgery, under the direction of Dr. Warren H. Cole.

207. Dr. Ward Eastman, Peoria, \$175 for research in the Department of Surgery.

208. Frederick Z. Favor, \$10 to the Mary Lloyd Somatoprosthesis Gift Fund in the Department of Crowns and Fixed Partial Dentures, for research under the supervision of Dr. Stanley D. Tylman.

209. Frances Beck Hall Cancer Fund, \$150 for research in the Department of Surgery.

210. James Hurlbut, \$500 for research in the Department of Surgery.

211. Dr. Lester Kaplan, an alumnus of the College of Dentistry, \$50 for prizes for excellence in clinical dentistry.

212. Dr. Gilbert G. Lapid, an alumnus of the College of Medicine, \$100 to the National Fund for Medical Education account.

213. Dr. Leo F. Miller, \$50 for orthopaedic research.

214. \$1,130 from the following donors for the Miscellaneous Gift Fund in the Tumor Clinic: Lewis Root, \$200; Mr. and Mrs. Harry Williams, \$10; from donors in memory of Mrs. Lucille Sargent, \$920.

215. Louise M. Rogers bequest, \$1,000 for special duty nursing service to needy patients in the Tumor Clinic.

216. Dr. W. H. Schwingel, \$50 to the Orthopaedic Surgery Alumni Fund.

217. Victor S. Yarros, \$300 for the Rachelle S. Yarros Scholarship Fund.

218. Estate of Elise Stein, \$3,133.38 for cancer research under the direction of Dr. Warren H. Cole.

Total, Funds Received from Individuals.....\$12,113.38

Total, Chicago Professional Colleges.....\$521,127.59

Chicago Undergraduate Division

219. Various donors, \$175 to be added to the Stebinger Memorial Library Fund, to be used for the purchase of books for the Chicago Undergraduate Division.

Total, Chicago Undergraduate Division.....\$175.00

Grand Total.....\$1,516,785.66

This report was received for record.

SALE OF TRUST FUND SECURITIES

Mr. Livingston, for the Finance Committee, submitted the following report:

The Finance Committee has approved the sale of certain securities purchased in 1939 as an investment of funds received from the late Dr. A. F. Kaeser of Highland, Illinois, for student loans and in certain contingencies, student scholarships. At that time, the demand for student loans was not sufficient to use all of the funds then available for such purposes and some of those funds, including a part of the funds received from Dr. Kaeser, were invested. Due to the present demand for student loans, it is advisable to convert these assets into cash. The securities were purchased for \$4,829.70 and approximately \$13,000 will be realized from their sale.

Adoption of the following resolution is required to complete the sale:

WHEREAS, the Board of Trustees of the University of Illinois is the owner of 54 shares of Caterpillar Tractor Company common stock, 50 shares of General Motors Corporation common stock, and 60 shares of Inland Steel Company common stock, and

WHEREAS, it is the decision of said Board of Trustees that it is desirable to dispose of such securities,

Now, therefore, be it resolved by the Board of Trustees of the University of Illinois, in a duly constituted meeting on February 10, 1955, that these securities be sold at the best price obtainable, and that H. O. Farber, Comptroller, and A. J. Janata, Secretary, be authorized to execute any and all documents required to complete such sale.

The Finance Committee has approved the sale of 300 shares of American Tobacco Company common stock held as an investment of the Miller Endowment Fund and recommends the adoption of the following resolution:

WHEREAS, the Board of Trustees of the University of Illinois is the owner of 300 shares of American Tobacco Company common stock, and

WHEREAS, it is considered by said Board to be desirable to dispose of such stock,

Now, therefore, be it resolved that such stock be sold, and that H. O. Farber, Comptroller, and A. J. Janata, Secretary, be and they are hereby authorized to execute any and all documents necessary to complete such sale.

On motion of Mr. Livingston, these resolutions were adopted.

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.

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.)

- ANDERSON, TRUMAN O., Assistant in Bacteriology, in the College of Medicine, eight months beginning January 1, 1955, \$388.88 a month (1-27-55).
- BAACKE, MARGARETA, Instructor in German, second semester of the academic year 1954-55 beginning February 1, 1955, \$2100 (1-27-55).
- BALDWIN, DAVID, Clinical Instructor in Medicine, in the College of Medicine, January 16-August 31, 1955, without salary (1-15-55).
- BEAN, HALDANE W., Associate Professor of Animal Science, on indefinite tenure, and Assistant Director of the Extension Service in Agriculture and Home Economics, February 1-August 31, 1955, \$7750 a year, supersedes (1-28-55).
- BENASSI, CARLO, Research Associate in Chemistry, in the Graduate College, one year beginning February 1, 1955, \$4800 (1-19-55).
- BENNETT, GRANVILLE A., Professor of Pathology, on indefinite tenure, and Dean of the College of Medicine, February 1-August 31, 1955, \$18,000 a year; and Chairman of the Administrative Committee of the Chicago Professional Colleges, one year beginning September 1, 1954, or until a Vice-President is appointed, at an additional salary of \$100 per month, supersedes (1-20-55).
- BOSSELMAN, BEULAH C., Associate Professor of Psychiatry, in the College of Medicine, on one-half time, on indefinite tenure beginning January 1, 1955, \$4080 a year, supersedes (1-18-55).
- BRUMFIELD, NANCY J., Acquisition Assistant in the Library, seven months beginning February 1, 1955, \$3600 a year, supersedes (1-15-55).
- BUTLER, MRS. ELSIE R., Instructor in Home Economics Extension (E), eight months beginning January 1, 1955, \$5550 a year, supersedes (1-11-55).
- CHANG, TIEN-SUN, Research Associate in Theoretical and Applied Mechanics (S), February 1-June 15, 1955, \$1425, supersedes (1-15-55).
- CHOW, WEN LUNG, Research Assistant Professor of Mechanical Engineering (S), February 1-July 31, 1955, \$611.12 a month (1-8-55).
- DHAR, AUGUSTUS I., Assistant in Mathematics, February 1-June 15, 1955, \$333.34 a month (1-22-55).
- DUHAMEL, RAYMOND H., Research Assistant Professor of Electrical Engineering (S), eight months beginning January 1, 1955, \$8500 a year, supersedes (1-27-55).
- FISHER, LOWELL B., Associate Professor of Education, on indefinite tenure, and Executive Secretary of the Committee on Admissions from Secondary Schools, for one year, beginning September 1, 1954, \$8430 a year, supersedes (1-21-55).
- FREDA, VINCENT C., Clinical Assistant Professor of Obstetrics and Gynecology, in the College of Medicine, and Acting Head of the Department, on one-half time, six months beginning January 1, 1955, \$4500 a year, supersedes (1-15-55).
- GILMOUR, HUGH S. A., Research Associate in Chemistry, in the Graduate College, December 16, 1954-January 31, 1955, \$500 (1-19-55).
- GINSBURG, MIRIAM, Assistant in Mathematics, in the Chicago Undergraduate Division, second semester of the academic year 1954-55 beginning February 1, 1955, \$1750 (1-15-55).
- GYARFAS, KALMAN, Clinical Associate Professor of Psychiatry, in the College of Medicine, on one-fifth time, nine months beginning December 1, 1954, \$2500 a year, supersedes (1-18-55).

- HABERMAN, EVELYN, Assistant in Rural Recreation (E), six months beginning March 1, 1955, \$4000 a year (1-21-55).
- HANSEN, ROBERT C., Research Associate in Electrical Engineering (S), eight months beginning January 1, 1955, \$6000 a year, supersedes (1-27-55).
- HARDENBROOK, HARRY JR., Associate Professor of Veterinary Clinical Medicine, in the College of Veterinary Medicine, on indefinite tenure beginning February 1, 1955, \$7700 a year, supersedes (1-28-55).
- KERSTER, GEORGE, Assistant in Electrical Engineering (C), February 1-June 15, 1955, \$316.67 a month (1-15-55).
- KIMMELSHUE, FLORENCE A., Assistant Professor of 4-H Club Work (E), eight months beginning January 1, 1955, \$5300 a year, supersedes (1-15-55).
- LANDMAN, OTTO, Research Associate in Bacteriology, in the Graduate College, eight months beginning January 1, 1955, \$5100 a year, supersedes (1-19-55).
- LICHTENBERG, MRS. RITA K., Acting Librarian with rank of Instructor, in the Library and in the Institute of Labor and Industrial Relations, five months beginning February 1, 1955, \$4500 a year, supersedes (1-27-55).
- LITHERLAND, MARY ANN, Assistant Editor with rank of Assistant, in the College of Law, seven months beginning February 1, 1955, \$3300 a year (1-20-55).
- LOCKETTE, RUTHERFORD E., Research Assistant in Industrial Education, one year beginning January 1, 1955, \$5000 (1-15-55).
- McCLAIN, ROY C., Research Assistant in Medicine, in the College of Medicine, December 13, 1954-August 31, 1955, \$3300 a year (1-27-55).
- McELROY, DONALD L., Instructor in the Admitting Clinic, in the College of Dentistry, on one-half time, seven months beginning February 1, 1955, \$2250 a year, supersedes (1-27-55).
- MORROW, JO DEAN, Research Associate in Theoretical and Applied Mechanics (S), February 1-June 15, 1955, \$400 a month, supersedes (1-27-55).
- MOSIER, MRS. DOREEN Z., Microanalyst in Chemistry, eight months beginning January 1, 1955, \$3300 a year (1-15-55).
- MUENSTER, JOSEPH J., JR., Clinical Assistant in Medicine, in the College of Medicine, January 15-August 31, 1955, without salary (1-27-55).
- NEMETH, JOZSEF, Microanalyst in Chemistry, seven months beginning February 1, 1955, \$6000 a year, supersedes (1-20-55).
- PETERSON, KENNETH R., First Assistant in Forestry (S), February 10-August 31, 1955, \$4800 a year (1-20-55).
- POPRICK, MICHAEL G., Resident in Hospital Pharmacy in the Research and Educational Hospitals, on one-half time, January 3-August 31, 1955, \$660 a year; for the convenience of the University he will also be furnished room and board while on duty valued at the rate of \$780 a year; this is in addition to his appointment as Registered Pharmacist in Hospital Pharmacy, in the College of Pharmacy, for one year beginning September 1, 1954, \$4500 (1-22-55).
- POWELL, DWIGHT, Professor of Plant Pathology (Horticulture) (C and S), on indefinite tenure beginning January 1, 1955, \$10,000 a year, supersedes (1-28-55).
- REYNOLDS, THOMAS D., Research Assistant in Psychiatry, in the College of Medicine, six months beginning January 1, 1955, \$275 a month (1-27-55).
- SANDAGE, CURTIS N., Research Associate in the Institute for Tuberculosis Research, in the Chicago Professional Colleges, January 15-August 31, 1955, \$4945 a year (1-15-55).
- SEN SARMA, R. N., Research Associate in Chemistry, in the Graduate College, one year beginning April 16, 1955, \$5000 (1-27-55).
- SMOOT, RONALD L., Assistant in Mechanical Engineering (C), second semester of the academic year 1954-55 beginning February 1, 1955, \$1800, supersedes (1-27-55).
- WIXOM, ROBERT L., Research Associate in Chemistry, in the Graduate College, February 16-June 15, 1955, \$2200 (1-19-55).

GRADUATE FELLOWS

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

- KROEGER, ARTHUR V., Fellow in the Chicago Professional Colleges, five months beginning February 1, 1955, \$125 a month (1-17-55).
- WERBEL, LESLIE M., Fellow in Chemistry, February 1-June 15, 1955, \$500 (1-12-55).

RESIGNATIONS AND DECLINATIONS

- AGASE, LOUIS, Assistant in Physical Education for Men—resignation effective 2-1-55.
- ANDERSON, TRUMAN O., Fellow in the Chicago Professional Colleges—resignation effective 1-1-55.
- CONLEE, MRS. ARAHBELL, House Director of Beta House—resignation effective 1-31-55.
- HOFFMAN, JOHN W., Research Associate Professor of Electrical Engineering—resignation effective 2-16-55.
- HUGHES, EMMA J., Assistant Editor, with rank of Assistant, in the College of Law—resignation effective 1-31-55.
- KOUCKY, FRANK L., Instructor in Physical Sciences, in the Chicago Undergraduate Division—resignation effective 3-1-55.
- MCDONALD, ROBERT W., Instructor in General Engineering—resignation effective 3-1-55.
- NESBY, CHARLES W., Research Assistant in Medicine, in the College of Medicine—resignation effective 12-31-54.
- QUINN, MARIAN C., Instructor in Clinical Speech, in the College of Medicine—resignation effective 3-1-55.
- REDDEN, HUGH F., Instructor in Education, in the University High School—resignation effective 3-1-55.
- REHDER, HELMUT, Professor of German and Head of the Department—resignation effective 3-1-55.
- RICKERT, MRS. WINIFRED H., Research Assistant in Medicine, in the College of Medicine—resignation effective 1-15-55.
- SACHS, IRVING B., Research Assistant in Zoology—resignation effective 2-1-55.
- SHUMAN, HOWARD E., Instructor in Economics—resignation effective 3-1-55.
- SIEGEL, FREDERICK P., Instructor in Chemistry, in the College of Pharmacy—declination effective 1-3-55.
- SPEIGEL, I. JOSHUA, Clinical Associate in Neurosurgery, in the College of Medicine—resignation effective 1-1-55.

LEAVES OF ABSENCE

- BAKER, HERBERT KOEPP, Professor of Clinical Speech Pathology, in the College of Medicine, and Director of the Cleft Palate Training Program, in the Division of Services for Crippled Children—leave of absence without pay from July 1, 1955, through June 30, 1956, in order that he may accept an invitation from the Southern Regional Education Board to direct a study of the facilities and programs of eight major southern universities.
- FLYNN, DONALD C., Registered Pharmacist in Hospital Pharmacy, in the College of Pharmacy—leave of absence without pay, February 1-August 31, 1955, for military service.
- WIG, DOROTHY J., Associate Professor of Home Furnishings—leave of absence with pay, June 24-July 15, 1955, supplementing her month's vacation so that she may make a trip to Europe.
- JAGODZINSKI, WANDA E., Registered Pharmacist in Hospital Pharmacy, in the College of Pharmacy—leave of absence without salary beginning January 17, 1955, and continuing through July 15, 1955.

**ADDRESSES BY DIRECTORS SEWARD C. STALEY
AND FREDRICK S. SIEBERT**

At the conclusion of the business meeting, President Morey presented Directors Seward C. Staley of the School of Physical Education and Fredrick S. Siebert of the School of Journalism and Communications, who addressed the Board on the state of their respective schools.

On motion of Mrs. Watkins, the meeting adjourned.

A. J. JANATA
Secretary

H. B. MEGRAN
President