

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

February 18, 1954



The February meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Thursday, February 18, 1954, beginning at 10:00 a.m.

The following members were present: Mr. Wirt Herrick, Mr. Robert Z. Hickman, Mr. Wayne A. Johnston, Mr. Park Livingston, and Mrs. Frances B. Watkins. Mr. Cushman B. Bissell, Mr. Harold E. Grange, Mrs. Doris S. Holt, Mr. Herbert B. Megran, Mr. Vernon L. Nickell, and Governor William G. Stratton were absent.

Also present were President Lloyd Morey, Provost Henning Larsen, Mr. Ralph F. Lesemann, Legal Counsel, Mr. C. Lincoln Williston, Manager of Public Relations of the Chicago Professional Colleges; and the officers of the Board, Messrs. H. O. Farber, Acting Comptroller, C. W. Weldon, Treasurer, and A. J. Janata, Secretary.

Since a majority of all members constituting the Board was not present, the Board recessed.

MEETING OF THE EXECUTIVE COMMITTEE

On call of the Chairman and pursuant to written notice, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held at the LaSalle Hotel, Chicago, Illinois, on Thursday, February 18, 1954, beginning at 10:30 a.m.

Mr. Park Livingston, Chairman, and Mrs. Frances B. Watkins were present; Mr. Herbert B. Megran was absent.

Also present were Messrs. Wirt Herrick, Robert Z. Hickman, and Wayne A. Johnston of the Board of Trustees, who participated in the discussions of the items of business considered by the Executive Committee, and the officers of the Board and of the University who were present when the Board convened.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard examination given November 4-6, 1953, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943:

JAMES BURLINGTON ALBANESE (Chicago)	JOHN JOSEPH GALLAGHER (Chicago)
DAVID AMENDOLA (Chicago)	THOMAS RICHARD GANTON (Chicago)
BURTON LEE BABETCH (Chicago)	DONALD HOWARD GLAUM (Blue Island)
SANFORD ALLEN BANK (Chicago)	ERIC GOLDSMITH (Chicago)
RICHARD BENASH (Chicago)	DALLAS EUGENE HAMMOND (Chicago)
ERIC EUGENE BERGSTEN (Evanston)	GERALD LOREN HEAD (Blue Island)
LAWRENCE HUBERT BRUMMER (Peoria)	JOHN ROBERT HEASTER (Chicago)
OWEN OTTO BRUMMET (Maywood)	WILLARD ARTHUR HEATON (Washington)
WILLIAM BLYER CALLAHAN (Chicago)	WILLIAM GEORGE HENN, JR. (Chicago)
FRANK JOSEPH CALLERO (Morton Grove)	HERBERT ABRAHAM HOFFMAN (Cicero)
JOHN MICHAEL CANTALUPO (Chicago)	HERMAN IRVING HORWITZ (Chicago)
CHARLES TENNYSON CARTWRIGHT, JR. (Chicago)	RONALD MORTON HYAMS (Chicago)
JOHN ALLYN CONSTANTINE, JR. (Chicago)	RICHARD JOSEPH IRECEK (Chicago)
BILLY MURRY CONYER (Decatur)	UDO JUERIMA (Chicago)
ROBERT EDWARD DALY (Chicago)	DONALD WALTER KENT (Downers Grove)
DANIEL MATHIEW DANIS (Chicago)	MARY ADELAIDE KERKERING (Quincy)
ERNEST VANCE DAVIS (Chicago)	EARLE RODNEY KESSLER (Chicago)
NORMAN LEE DIAMOND (Syracuse, New York)	HARRY WEINIGER KIRCHHEIMER (Highland Park)
PATRICK EUGENE DONALD (Chicago)	JAMES HENRY KIRKPATRICK (Evanston)
GEORGE MAURICE DONNELLY (Park Forest)	HOWARD CLYDE KISS (Chicago)
ROBERT EDWIN ELSAS (LaGrange)	HAROLD RAYMOND KLEIN (Chicago)
RICHARD GORDON ERSKINE (Oak Park)	HARLAN GEORGE KLOTZ (Bensenville)
ROBERT LEE FISHER (Elmhurst)	GERALD CLARENCE KNUDSON (Chicago)
ROBERT JOHN FOOTE (Deerfield)	FRANK ADAM KOLEK (Chicago)
ROBERT JOSEPH FRANKLIN (Chicago)	HARVEY KOLOMS (Chicago)
HARVEY D'ARTAGNAN FUCHS (Riverside)	JACK ANTHONY KOMPARE (Chicago)
CALVIN SAUL GALE (Chicago)	SHELDON KOPS (Chicago)
	MARVIN REUBEN KOPULSKY (Chicago)
	FRED LIGHT KRIEBEL (Chicago)
	STANLEY JOHN KWITEK (Chicago)

JOHN PHILLIP LENIHAN (Chicago)
 ROBERT BERNARD LIPSCHULTZ
 (Chicago)
 WILLIAM HERMAN MAETHNER
 (Chicago)
 LLOYD WILLIAM MAGER (Blue Island)
 ROBERT CHARLES MARTIN (Chicago)
 MEL MARVIN (Chicago)
 RICHARD JOSEPH MCMANUS
 (Evergreen Park)
 FREDERICK ERNEST MENSCH (Chicago)
 WALTER EDWARD MEYERS (Chicago)
 ROY WARREN NELSON (Park Ridge)
 SHERMAN NEUMAN (Chicago)
 RAYMOND ODDI (Chicago)
 FRANK TOSHIO OKITA (Chicago)
 LEWIS DEAN PETRY (Chicago)
 JANET TEMPLE PIPER (Chicago)
 NORMAN SEAMAN PRIMUS (Oak Park)
 WALTER ERNEST RAHN (Chicago)
 SECONDO MARCO SALVINO, JR.
 (Park Forest)
 EDWARD JOHN SANDERS (Glenview)
 RICHARD ALLEN SANDLOW (Chicago)
 JAMES QUINTUS SANNER (Decatur)
 GRETE SCHIÖDT (Chicago)

JOHN ARTHUR SCHOLZ (Evanston)
 ROBERT DECOSTA SCHRAM (Chicago)
 PAUL SCHULTZ (Chicago)
 DOMINIC JAMES SCUDIERO, JR.
 (Melrose Park)
 THEODORE SPAK (Chicago)
 EDWARD WALTER SPRINGER, JR.
 (Skokie)
 HAMILTON STERN (Chicago)
 ROLF HENRY STETTER (Chicago)
 MAURICE STOCK (Chicago)
 JOEL ALFRED STONE, JR. (Chicago)
 GLORIA MAE STROMBERG (Chicago)
 RAYMOND CHARLES TASCH (Chicago)
 LAWRENCE TEPPER (Chicago)
 EDWIN JACK THORNBURG (Springfield)
 ERWIN HOWARD WALLEN (Chicago)
 HERBERT WASSERMAN (Chicago)
 VENUS LORAIN WEATHERFORD
 (Springfield)
 LAURENCE FRANK WEINER (Chicago)
 EDWARD SAXTON WEISE (Elmwood
 Park)
 ROBERT LEROY WELLS (Sycamore)
 LOUIS WILLIAM WINDISCH (Chicago)
 FRANK LOUIS ZUPAN (Chicago)

The Committee on Accountancy recommends that the following persons be awarded the certificate of Certified Public Accountant on the basis of having satisfactorily passed a written examination under Section 4b of the Accountancy Act of 1943, as amended in 1951, given by the Special Board of Examiners:

RALPH ROLAND JOHNSON (Glencoe) JOSEPH ROBERT STEIN (Chicago)
 HARRY E. KAMINSKY (Chicago)

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
WILLIAM HOMER BARKER	Gary, Indiana	Indiana
REINHOLD KIRK BATZER	Packanack Lake, New Jersey	New York
KURT CHARLES BEHRENS	Park Ridge	Delaware
MAURICE S. HAHN	Niles, Michigan	Michigan
ELMER LAWRENCE HELM, JR.	Brentwood, Missouri	Missouri
ARTHUR GEORGE KIESLING	Madison, Wisconsin	Wisconsin
ROGER JOHN SCHAFER	Chicago	Tennessee
NORMAN EDWARD SCHLEY	Waukesha, Wisconsin	Wisconsin
CHARLES LEE WOODWARD, JR.	St. Louis, Missouri	Missouri

I concur.

On motion of Mrs. Watkins, these certificates were awarded.

APPOINTMENTS TO THE FACULTY

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

1. DONALD J. BRAY, Assistant Professor of Poultry Extension, in the Department of Animal Science, beginning February 1, 1954, at an annual salary of \$6,500 (BY).

2. ROBERT W. DECKER, Assistant Professor of Geology, beginning February 1, 1954, at an annual salary of \$5,000 (D).

3. ANNA T. HOWARD, Assistant Professor, School of Nursing, beginning February 1, 1954, at an annual salary of \$5,000 (DY).

4. MARION DALE KINZIE, Medical Adviser and Assistant Professor of Hygiene in the Health Services, beginning May 1, 1954, at an annual salary of \$8,000 (DY).

5. GUSTOF PETERSON, Assistant Professor of Agricultural Economics (C&S), beginning February 1, 1954, at an annual salary of \$5,800 (BY).

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

**APPOINTMENT OF PROFESSOR HERBERT E. CARTER AS
PROFESSOR AND HEAD OF THE DEPARTMENT OF
CHEMISTRY AND CHEMICAL ENGINEERING**

(3) Professor Roger Adams, distinguished Head of the Department of Chemistry since 1926, has asked to be relieved of his administrative duties as Head of the Department at the end of the current academic year and to be continued on the faculty as Research Professor.

I recommend that his request be granted.

The Executive Committee of the College of Liberal Arts and Sciences and a special search committee have recommended the appointment of Professor Herbert E. Carter, now Professor of Biochemistry, as Professor and Head of the Department of Chemistry and Chemical Engineering on indefinite tenure, beginning September 1, 1954, at a salary of \$14,000 an academic year. The recommendation has the support of the Provost, the Dean of the Graduate College, and the Dean-elect of the College of Liberal Arts and Sciences.

I concur.

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

**APPOINTMENT OF DR. REID T. MILNER AS PROFESSOR AND
HEAD OF THE DEPARTMENT OF FOOD TECHNOLOGY**

(4) The Dean of the College of Agriculture recommends the appointment of Dr. Reid T. Milner, now Director of the Northern Regional Research Laboratory at Peoria, Illinois, as Professor and Head of the Department of Food Technology on indefinite tenure, beginning April 19, 1954, at an annual salary of \$12,000 (AY). The recommendation is concurred in by other University officers concerned.

This appointment is to replace Dr. Louis B. Howard who is now Associate Director of the Agricultural Experiment Station and who has asked to be relieved of the headship of the Department of Food Technology.

I concur.

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

GEORGE A. MILLER ENDOWMENT

(5) Now that the net assets of the George A. Miller Estate are in the possession of the University and the funds have been invested by it, I recommend that Professor Miller's bequest be officially designated "The George A. Miller Endowment."

A special faculty committee appointed for this purpose has been studying what use should be made of the income from this endowment. The committee has not completed its work but has agreed on one recommendation which I present to the Board with my approval:

There is hereby established a George A. Miller Visiting Professorship to be filled annually from any field in which advanced work is given at the University. The Department of Mathematics shall be given priority in the selection of the first candidate for this position. The salary of this professorship shall not be fixed but shall be determined by the qualifications and professional standing of the candidate appointed. The first appointment shall be for the academic year 1954-1955.

It is unnecessary, and in my opinion inadvisable, to spell out the details of the position and how candidates shall be selected, as those are matters which

can be determined within the appropriate administrative echelons and no specific authority from the Board of Trustees is required. All appointments to this visiting professorship will be made in accordance with standard procedures and subject to the same approvals as all other appointments to major positions.

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

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(6) The Committee on Nonrecurring Appropriations recommends assignments of funds as follows:

1. Department of Botany, purchase of steel storage cases.....	\$ 2 850
2. Library, Chicago Undergraduate Division, for rebinding books and for acquisitions for use in graduate program in social work.....	2 000
3. Research and Educational Hospitals, installation of central television antenna system.....	5 000
4. Drug Plant Experiment Station, Chicago Professional Colleges, purchase of truck with hydraulic lift to replace present truck.....	3 500
<i>Total</i>	<u>\$13 350</u>

I recommend that these appropriations be made from the General Reserve Fund.

On motion of Mrs. Watkins, these appropriations were made by the following vote: Aye, Mr. Livingston, Mrs. Watkins; no, none; absent, Mr. Megran.

APPROPRIATION FOR BUILDING STUDIES

(7) The Building Program Committee needs an accurate inventory and functional analysis of the use of all space on the Urbana-Champaign Campus in studying requests for new buildings. Such data are also required in studies of any new construction for a permanent undergraduate division in Chicago as well as for major expansion at Urbana-Champaign to provide for increases in enrollment.

The technical and clerical staff to be employed in this work will need more adequate quarters and the Committee has asked that its staff be moved from present quarters at 1205 West California Avenue, Urbana, into one of the temporary buildings in the Parade Grounds housing area. This will also require employment of additional temporary staff and reactivation of one of the Parade Grounds units at an estimated cost of \$6,000.

Professional services on a per diem basis are required to translate estimates of floor areas into buildings, land areas, and finally into construction and site costs. An accurate estimate of the costs of such professional services is not feasible, but it appears that approximately \$7,000 will be required.

In addition, approximately \$2,000 is needed for staff services and miscellaneous expenses in calculating present capacity and requirements for anticipated expansion on the Urbana-Champaign campus.

The Director of the Physical Plant, the Provost, and the Acting Comptroller recommend a nonrecurring appropriation of \$15,000 for these services and incidental expenses.

I concur.

On motion of Mrs. Watkins, this appropriation was made by the following vote: Aye, Mr. Livingston, Mrs. Watkins; no, none; absent, Mr. Megran.

APPROPRIATION FOR URBANA-CHAMPAIGN SANITARY DISTRICT

(8) Since 1947 the University has by contract authorized by the Board of Trustees been paying the Urbana-Champaign Sanitary District the University's proportionate share of the cost of operating the local sewage disposal plant. This share is computed on the basis of water consumption and during the last few years has amounted to 18 to 20 per cent of the total annual cost. The University has also contributed its proportionate share of the cost of improvements in the plant.

The Sanitary District is proposing a plant improvement by the construction of a digester with certain other equipment, at an estimated total cost of between \$90,000 and \$100,000. The improvement is required to provide adequate sludge digestion facilities which will prevent further pollution of the Saline Ditch and reduce fly nuisance caused by improperly digested sludge.

The estimated completion time is October, 1954. The Director of the Physical Plant and the Acting Comptroller recommend a nonrecurring appropriation of \$18,000, or so much thereof as may be necessary, to pay the University's share of this improvement computed in accordance with the above formula.

I concur.

On motion of Mrs. Watkins, this appropriation was made by the following vote: Aye, Mr. Livingston, Mrs. Watkins; no, none; absent, Mr. Megran.

ACQUISITION OF WESLEY FOUNDATION PROPERTY

(9) Negotiations have been concluded with the Wesley Foundation at the University of Illinois for the acquisition of the property owned by it which the University desires to purchase in the block bounded by Green Street, Goodwin Avenue, Illinois Street, and Mathews Avenue in the city of Urbana, Illinois, and for the transfer to the Foundation of the University property in this area which the Foundation desires to acquire, in accordance with the terms and conditions recommended by the Committee on Buildings and Grounds and approved by the Board of Trustees. This is to report that this transaction has been consummated through the exchange of special warranty deeds and payment of the agreed price to the Foundation.

The land thus acquired by the University is needed as the site for a life sciences building which has been a top priority project in its building program for several years. It will take some time to dispose of the buildings (some of them are being used by the University and the activities housed in them will have to be transferred elsewhere) on the site and clear the area for new construction. It is important to acquire the land well in advance of availability of funds for construction and thus avoid potential and costly delays later. There is one more parcel of property, privately owned, on Illinois Street which the University needs to acquire. Negotiations for its purchase are in progress.

The contracting parties have agreed upon, surveyed, and established a joint boundary line 75 feet south of and parallel to the east and west center line of the block. The Foundation has conveyed all of its property south of this line to the University and the latter has conveyed the land it owned north of this line to the Foundation. Since the University has acquired a much larger area of land than it conveyed, it has made a net payment of \$117,500 to the Foundation. One of the parcels of Foundation property purchased by the University is at the southwest corner of the block and is under lease until June 30, 1954, so that conveyance of this particular tract to the University is subject to the lease. The rent payable under the lease will be prorated between the University and the Foundation.

The Foundation has agreed to waive its claim for rent subsequent to the termination of a rent-free agreement, up to the date of sale, on property of the Foundation which the University has been occupying and using as a parking lot for use by its staff. This is the corner area at Illinois Street and Goodwin Avenue east of the University Club.

The University, the Foundation, and the Trinity Methodist Church have covenanted that none of them will erect or maintain any building or other structure within fifteen feet north and south of the joint boundary line so established. The University will remove by August 15, 1954, all buildings and material above normal ground level on the land it owned north of this line and, if requested by the Foundation, will erect a suitable temporary fence on the line to separate the properties.

The joint boundary line was established by survey and monumented, the legal descriptions of the various tracts conveyed by the deeds were ascertained and agreed upon, the title of the Foundation to the land conveyed by it to the

University and the title of that conveyed by the latter to the former, and the survey, deeds, and other legal documents used in connection with consummating this transaction were approved by the University's Legal Counsel, and by counsel for the Foundation, prior to the execution and exchange of the deeds and other legal documents and the payment of the money.

All of the actions related above having been taken pursuant to previous authorization by the Board of Trustees, this report was received for record.

LEASE OF PROPERTY AT 704 SOUTH SIXTH STREET

(10) Professor Julius N. Hook, Department of English, has recently been appointed Executive Secretary of the National Council of Teachers of English, an important professional organization of nearly 14,000 teachers. The Council wishes to move its headquarters to the University of Illinois Campus at Urbana-Champaign so that Professor Hook can serve it more effectively as Executive Secretary. He will devote two-thirds of his time to the work of the Council for the second semester of the current year and after September 1, 1954, will be on one-half time with the Council and one-half time in the Department of English with corresponding adjustments in his University salary. It will be of great value to the University in its relations with the high schools of Illinois as well as with other colleges and universities throughout the country to have the Council's headquarters on the campus, as it will be the center for directing the training of teachers of English on a national scale.

To provide adequate quarters for the Council's work, it is recommended that space be leased on the first floor of the property at 704 South Sixth Street, Champaign. No satisfactory space is now available in University-owned premises. The University is already leasing quarters in this building for the Institute of Labor and Industrial Relations. Mr. W. B. Hayes, owner, has offered to lease the required space at a rate of \$300 a month, the University to pay for all water, gas, electricity, janitor service, and a proportionate share of fuel costs (the heat to be furnished by the lessor). The University would assume responsibility for decoration, such remodeling as is necessary, and the return of the property to its original condition except for natural wear and tear, damage by fire, wind, or other inevitable causes, upon the termination of occupancy.

The Board recently approved an extension of a previous lease for the second floor of this property for the Institute of Labor and Industrial Relations to September 1, 1956, to be executed by the University of Illinois Foundation. The proposed lease for the first floor will be on the same plan.

The following basis for division of costs between the University and the National Council of Teachers of English is proposed: the Council and the University to share equally the remodeling costs estimated at approximately \$500; the Council to assume all costs of repairs and restoration; the Council to assume full cost and responsibility for cleaning and all utilities, including heat; the rental to be shared equally between the University and the Council.

The proposed rate is reasonable in comparison with existing rates for similar areas leased in this community.

The Provost, the Director of the Physical Plant, and the Acting Comptroller recommend an annual appropriation of \$1,800 and that this area be included as a part of the lease to be executed between the Foundation and Mr. W. B. Hayes for the second floor of this building with the understanding that the University will enter into an agreement with the National Council of Teachers of English covering the above items.

I concur.

On motion of Mrs. Watkins, the Executive Committee voted to request the University of Illinois Foundation to include in the lease of space in the building at 704 South Sixth Street, Champaign, quarters for the National Council of Teachers of English, in accordance with the terms and under the conditions herein recommended, provided that the action of the Committee is concurred in by a majority of the Board of Trustees.

**CONTRACT FOR SERVICES OF REALTORS IN SALE OF
UNIVERSITY OWNED HOUSES**

(11) Following World War II the University purchased a number of residence properties and constructed other houses for rental to new members of the faculty whose services were required to take care of a greatly increased enrollment. This program included the erection of seventy-one prefabricated permanent houses, the construction of six houses designed by the Small Homes Council as a research project, the purchase of fifteen residences in various areas of Urbana and Champaign outside the zone of future campus expansion, the construction of the Student and Staff Apartments on Green Street and Goodwin Avenue, and the construction of thirty houses at Florida Avenue and Race Street, Urbana, by the Small Homes Council as a research and demonstration project.

It has been the plan gradually to dispose of all of these properties with the exception of the Student and Staff Apartments, the Small Homes Council houses on Florida Avenue and Race Street, and the properties which the University has acquired primarily for future campus expansion. Out of the original number, forty-eight newly constructed houses and twelve purchased properties remain unsold.

The permanent residences, including all of the prefabricated houses, will be offered for sale over a period of years and usually on the expiration of a final lease of occupancy and when otherwise vacated. In general it is proposed to offer such properties for sale to the occupants on or before October 1 preceding the expiration of their leases. If by the following April 1 the tenant does not elect to purchase the property, it will be put on general sale on the expiration of the lease but may be withdrawn from the market if it is needed for assignment to a new staff member. Houses not sold by the end of the lease period may be assigned to staff members also.

To carry out this program, the University needs the services of local realtors to assist in selling the properties. It is not feasible to list these properties for sale with all local realtors (there being approximately seventy of them), and it would not be fair to the lessees to give so many agents the right to show houses to prospective purchasers.

The Director of the Physical Plant and the Acting Comptroller recommend that the real estate firms of Chumbley, Turner, and Younger, Champaign; Sidney B. Trelease, in the University business district; and Boggs and Cogdall, Urbana, be commissioned to represent the University for the sale of all properties included in this program under the following conditions:

- a. The standard real estate fees will be paid. In the past a 5 per cent fee has been charged on the first \$10,000 of the sale price and 2½ per cent on the amount above \$10,000. A recent action of the Champaign-Urbana Real Estate Board fixed these rates on properties listed prior to January 15, 1954, and continuing on such properties until March 1, 1954, after which the standard fee will be 5 per cent of the total sale price.
- b. The realtors will submit as part of their service appraisals on properties to be sold and the University will then establish the sale price. (The standard fee will cover all services on each transaction and there will be no extra charge for the appraisal.)
- c. A standard contract form will be used but will be subject to approval by the University in advance.
- d. The realtors will make public announcement that the properties are on the market and that they will cooperate with all local brokers in the sales of such properties. If another realtor participates, the commission will be shared.

All sales negotiated under this plan will be submitted to the Board of Trustees for approval in advance.

I concur in these recommendations.

On motion of Mrs. Watkins, these recommendations were approved and authority was given as requested.

CONTRACT FOR CONSTRUCTION OF WOMEN'S ATHLETIC FIELD

(12) It is necessary to lay out a new women's athletic field to replace the present one on which the new Home Economics Building will be constructed. Bids have

been taken for the construction of a new field, immediately west of the Forestry (Illini Grove), on all phases of the work except fine grading, planting, and development of lawn surface. This will be done by the University later.

The Director of the Physical Plant and the Acting Comptroller recommend award of a contract for \$17,293.65 to Cross Construction, Inc., Urbana, the lowest bidder. Funds are available in the state appropriation for the construction of the new Home Economics Building and have been released by the Governor.

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

On motion of Mrs. Watkins, this contract was awarded and the Acting Comptroller and the Secretary of the Board were authorized to execute the same.

CONTRACT FOR INSTALLATIONS IN MEDICAL CENTER STEAM COMPANY PLANT

(13) The Director of the Physical Plant and the Acting Comptroller recommend the award of a contract for \$5,408 to the Weishaupt Iron and Wire Works, Chicago, the lowest bidder, for installation of structural steel, stairways, walks, railings, and gratings in the Medical Center Steam Company plant to improve access to equipment located above the firing floor so that servicing can be more efficient and at less cost.

Funds are available in the Steam Plant revolving account and, upon completion of the installations, the Medical Center Steam Company will credit the University for the cost. Supervision of the work by the University is more practicable, as well as less expensive, than if the contract were awarded by the Medical Center Steam Company, which has no engineering or supervisory staff for such work.

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

On motion of Mrs. Watkins, this contract was awarded and the Acting Comptroller and the Secretary of the Board were authorized to execute the same.

CONTRACT FOR POWER PLANT ADDITION

(14) The Director of the Physical Plant and the Acting Comptroller recommend award of a contract for \$72,720 to M. J. Holleran, Inc., Chicago, the lowest bidder, for substructure work and piping for the new cooling tower at the Abbott Power Plant. Award of the contract for the purchase of the cooling tower was approved by the Board on November 20, 1953.

The contract will be subject to release of funds by the Governor from the state appropriation for an addition to the power plant.

I concur and recommend that the Acting Comptroller and the Secretary of the Board be authorized to execute this contract when funds are released.

On motion of Mrs. Watkins, this contract was awarded and the Acting Comptroller and the Secretary of the Board were authorized to execute the same.

SALE OF TEMPORARY HOUSING UNITS

(15) At its meeting on January 19, 1954, the Board of Trustees authorized the sale and removal of up to forty-six of the temporary housing units in the area to be cleared for the construction of the new Veterinary Clinic Building. Thirty-one of these units were sold to the seven highest bidders at prices ranging from \$50 for a one-bedroom unit to \$126.50 for a two-bedroom unit. The Board also authorized the sale of the remaining fifteen units at a price of \$50 each to buyers willing to meet the conditions of sale. So much public interest developed in the sale of the remaining units (one hundred people asked for information so that they could submit proposals) that bids were invited and forty-four firm proposals with bid deposits were received.

The Director of the Physical Plant and the Acting Comptroller recommend the sale of these fifteen units to the following highest bidders:

<i>Bidders</i>	<i>No. of Units</i>	<i>Price Per Unit</i>
Mr. and Mrs. Grant Denny, Urbana	1	\$150 00
Mr. Lewis Planck, Hume	1	126 50
Mr. O. C. Harden, Tolono	1	126 00
Mr. Chester Sunderman, Urbana	1	126 00
Mr. Alfred Woodworth, Tolono	5	125 00
Mr. Marian R. Applegate, Urbana	1	110 00
Mr. Wayne V. Applegate, Jr., Urbana	1	110 00
Mr. Othor Smock, Gibson City	2	105 00
Mr. Everett L. Roberts, Champaign	2	105 00

I concur.

On motion of Mrs. Watkins, the sale of these buildings was authorized as recommended, this being consistent with the previous authorization of the Board of Trustees to dispose of the temporary buildings to the highest bidders.

SETTLEMENT OF CLAIM AGAINST ARMY NUTRITION LABORATORY UNDER CONTRACT NO. W-49-007-MD-388

(16) On February 23, 1953, the Board of Trustees was informed that the University had instituted a suit in the United States Court of Claims for the balance it claimed was due it under a contract entered into in 1947 with the Office of the Surgeon General of the United States for research work in the Research and Educational Hospitals. The contract included provision for the exclusive use by the Army Nutrition Laboratory of four beds in the Hospitals at a specified daily rate. The University's claim was for \$6,868.40. The Comptroller General of the United States approved payment of only \$361.90 on the ground that the beds assigned to the Army Nutrition Laboratory were not always occupied, notwithstanding that they were reserved for its exclusive use.

The Board of Trustees approved the institution of these legal proceedings, including the employment of the law firm of Fisher, Wayland, Duvall, and Southmayd of Washington, D.C., as special counsel for the University.

On November 20, 1953, the Board authorized the Comptroller and the Legal Counsel to make a compromise settlement of the claim contemplating the award of judgment for the University in the sum of \$5,000 thereon since it appeared that such a compromise was feasible and that protracted litigation would be costly.

The University's attorneys have reported to the Legal Counsel that on January 5, 1954, judgment was entered in favor of the University in the agreed sum of \$5,000 by the United States Court of Claims. It will, however, be some time before the University receives payment since an appropriation by Congress will be necessary. When payment is made to the University, I recommend that the Acting Comptroller be authorized to accept same and to pay the legal fees and other expenses in accordance with the terms agreed to by the University.

On motion of Mrs. Watkins, this report was received for record and authority was given the Acting Comptroller as recommended.

PURCHASES

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

I concur.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of chemical equipment and apparatus	Chemistry and Chemical Engineering	Schaar and Company, Chicago	\$3 885 35 f.o.b. Urbana
One lot laboratory porcelain ware and apparatus to be stocked in the General Chemical Stores	General Chemical Stores, Urbana	A. S. LaPine Company, Chicago	3 561 24 f.o.b. Urbana
Six model No. 252 incubator hatcher units with automatic turners	Animal Science	James Manufacturing Company, Ft. Atkinson, Wis.	2 660 00 f.o.b. Ft. Atkinson, Wis.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Eighteen steel drawer cabinet sections, 21 drawers each, each section 24" wide x 36" deep x 8'4" high, to be erected in ranges of 8-, 5-, 3-, and 2-section cabinets	Botany	W. B. Read & Co., Bloomington	4 577 00 f.o.b. delivered and installed
Classroom furniture consisting of 93 stacking tables and 198 stacking chairs for the new Elementary Laboratory School	Elementary Education	Brunswick-Balke- Collender Co., Chicago	5 335 71 f.o.b. delivered
H.R.A.P. type 347 stainless steel plates: one 1/2" x 60" x 144"; one 3/16" x 48" x 120"; one 1" x 72" x 96"	Mechanical Engineering	Central Steel and Wire Company, Chicago	3 016 26 f.o.b. Massil- lon, Ohio
H.R.A.P. type 347 stainless steel sheets: four 11 ga. x 48" x 120"			
Type 304 stainless steel bars: two 2 1/2" round x 36"			
(The plates are being purchased for re- search for the United States Army and will be paid for from contract funds for this project)			
Steinway grand pianos: one style L— 5'10 1/2" and one style S—5'1"	School of Music	Lyon & Healy, Chicago	5 114 85 f.o.b. delivered
One John Bean Roto-Mist tree sprayer	Physical Plant	John Bean Division of the Food Machinery & Chemical Corporation, Lansing, Mich.	2 820 00 f.o.b. Urbana
Two Chevrolet station wagons, eight pas- senger, four door	Physical Plant	Brubaker-Truitt, Inc., Hillsboro	3 780 86 f.o.b. delivered
Television electronic equipment for use with General Electric TT-6E transmit- ter	Television- Motion Pictures	General Electric Co., St. Louis, Mo.	12 246 50 f.o.b. factory
20 x 75 lb. flasks mercury, prime, virgin	Electrical Engineering	International Quick Silver Industries, Chicago	3 820 00 f.o.b. Chicago

On motion of Mrs. Watkins, these purchases were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

(18) The Comptroller's report of contracts executed during the period January 1 to 31, 1954.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Commonwealth Edison Company	Transient fault detector for trans- mission lines study	\$ 8 000 00	February 1, 1954
National Association of Educational Broadcasters	Agriculture television programs	8 500 00	January 5, 1954
United States Air Force AF 18 (600)-613	Hypoxia and spermatogenesis in the rat study	5 595 60	March 1, 1953
United States Air Force AF 18 (600)-615	Amino acids of animal tissues as in- fluenced by virus infection study	7 978 20	July 1, 1953
United States Air Force AF 18 (600)-904	Barometric pressure upon the re- lease of toxic substances from in- fected teeth study	8 808 00	January 2, 1954
United States Air Force AF 18 (600)-985	Aromatic fluorine compounds study	20 000 00	October 1, 1953
United States Air Force AF 18 (600)-1018	Determining the time element in photoelectric emission study	20 000 00	November 1, 1953
United States Air Force (Subcontractor Stavid Engineering) AF 33 (616)-2219	Aircraft instrument displays study	22 000 00	October 1, 1953
United States Air Force AF 33 (616)-2307	Ceramic materials for power plant application study	60 000 00	March 16, 1954
United States Army DA-11-175-AV-1311	Instruction of military personnel	Rates per contract	June 10, 1953
United States Army DA-11-177-AV-316	Army Reserve Corps army aviation training program	4 800 00	July 1, 1953
United States Navy N 2208-85783 A	Naval postgraduate school program	2 372 00	July 1, 1953
United States Navy N 60ri-071 (52)	Heat resistant enzymes study	6 000 00	December 1, 1953
United States Navy N 6008-p-35032	Naval aviation college program	549 00	September 1, 1953
Veterans Administration V 3028V-2213	Education and training	Rates per contract	September 14, 1953

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
S. A. Goldman and R. H. Goldman	Rooms in Goldman Building at Springfield, Illinois, for use by Division of Services for Crippled Children	\$ 1 710 00	December 9, 1953

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	Aureomycin in the nutrition of baby pigs study	\$ 1 500 00	September 1, 1953
American Cyanamid Company	Sulfonamides study	500 00	January 1, 1954
Commonwealth Edison Company	Lead sheath materials study	9 000 00	January 1, 1954
Monsanto Chemical Company	Fungicidal properties study	3 800 00	January 1, 1954
National Warm Air Heating and Air Conditioning Association	Furnace heating study	37 310 00	January 1, 1954
Shell Chemical Corporation	Insecticides study	2 500 00	July 1, 1954
The Quaker Oats Company	Oat hybrids study	1 800 00	January 5, 1954
United States Air Force AF 18 (600)-80	Survival rations study	78 934 00	November 2, 1953
United States Air Force AF 33 (038)-21255	Thin film substrates study	80 790 00	May 1, 1953
United States Air Force AF 33 (608)-47	Tuition for Air Force officer	550 00	September 8, 1953
United States Air Force AF 33 (616)-52	Viscosity effects in axial flow turbo-machines study	22 190 00	December 1, 1953
United States Air Force AF 33 (616)-170	"Restricted" Civil Engineering	40 290 00	September 15, 1953
United States Air Force AF 33 (616)-310	"Confidential" Electrical Engineering	125 000 00	September 1, 1953
United States Army DA-11-022-ORD-174	"Restricted" Control Systems Laboratory	37 000 00	December 31, 1953
United States Army DA-11-022-ORD-721	Establishment of operation of a Control Systems Laboratory	39 000 00	November 27, 1953
United States Army DA-11-022-ORD-995	Anisotropic texture on the fatigue of materials study	8 000 00	November 16, 1953
United States Army DA-15-029-Eng-4901	Instruction of military personnel	2 943 00 ¹	August 17, 1953
United States Army DA-18-108-Cml-4789	Aerosol filtration by fibrous media study	22 000 00	January 6, 1954
United States Army DA-49-007-MD-17	Changes in the ground substances of the dental tissues study	9 559 00	February 1, 1954
United States Army DA-49-007-MD-306	Pyrethrin resistance in insects study	3 510 00	July 1, 1953
United States Army DA-49-007-MD-308	Nutritional requirements of the housefly study	16 778 00	September 1, 1953
United States Army DA-49-007-MD-351	Synthesis of new amino acids study	5 136 00	August 1, 1953
United States Army DA-49-129-Eng-239	"Restricted" Civil Engineering	10 828 00	August 19, 1953
United States Atomic Energy Commission AT (11-1)-67, Project No. 2	Nutritional biochemistry study	5 890 00	November 3, 1953
United States Atomic Energy Commission AT (11-1)-67, Project No. 3	Mechanism of substitutional diffusion in metals study	24 439 00	November 3, 1953
United States Atomic Energy Commission AT (11-1)-67, Project No. 7	Content in tissues of eleven trace elements study	8 500 00	November 3, 1953
United States Navy N6ori-07126	Radio-frequency spectroscopy study	34 000 00	December 15, 1953
United States Navy N6ori-07127	Linear complexes of topological spaces study	9 035 00	October 1, 1953
United States Navy N6ori-07135	Social perception and group effectiveness study	13 000 00	September 15, 1953
United States Navy N6ori-07137	Airborne direction finding antennas study	30 000 00	August 1, 1953
United States Navy N6ori-07146	Information theory for psychometric analysis study	8 681 00	September 1, 1953
United States Navy NOBs-55507	"Restricted" Civil Engineering	10 000 00	December 16, 1953

¹ Deduct.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
VioBin Corporation	Wheat germ oil on tests of physical fitness study	3 600 00	January 1, 1954
Leo Wise	Percentage of gross revenues from Bendix automatic machines in Residence Halls, Urbana	Rates per contract	December 4, 1953

Adjustments Made in 1952-1953 Cost-Plus Contracts
(Adjustments in projects authorized prior to July 1, 1953)

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Contracting Construction Company (General work)	Six items: \$732.60 deduct to \$620.87	\$1 014 99 ¹	January, 1954
Potter Electric Service	Noyes Laboratory, room 461 remodeling	20 98	January 4, 1954

Adjustments Made in 1953-1954 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Twenty-nine minor items: \$249.85 deduct to \$650.00	\$ 958 07	January, 1954

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(19) The Acting Comptroller presents his quarterly report to the Board of Trustees as of December 31, 1953.

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

(20) 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 23, 1953.

Colleges and Schools at Urbana-Champaign

A. Undergraduate Scholarships, Prizes, and Other Financial Aids

1. Mr. Robert Allerton, Hawaii, \$800 to continue the Robert Allerton Traveling Scholarships in architecture for 1953.

2. Alpha Alpha Chapter of Alpha Phi Omega, national service fraternity, \$250 for scholarships for the academic year 1953-1954.

3. Alpha Xi Chapter of Phi Mu Alpha-Sinfonia, professional music honorary fraternity, \$50 to be added to the William G. Hill Memorial Scholarship in music.

4. American Air Filter Foundation, Inc., Herman Nelson Division, Moline, \$1,000 for three scholarships in the College of Engineering (\$400 for a senior, \$300 for a junior, and \$300 for a sophomore).

5. The Chicago Chapter of the American Foundrymen's Society, \$5,000 to establish an endowment fund to be known as the Robert E. Kennedy Scholarship in the College of Engineering, Chicago Undergraduate Division, for students in the foundry field.

6. American Legion Auxiliary, Department of Illinois, Chicago, \$800 to continue a scholarship for one year of study in a Latin-American university.

7. American Society for Metals Foundation for Education and Research, Massachusetts Institute of Technology, Cambridge, Massachusetts, \$400 for a scholarship in metallurgy or metallurgical engineering, for the academic year 1953-1954.

8. Lou Boudreau Trust Fund (a trust set up in the National Bank of Harvey, Illinois, by citizens of that community), \$438 for the Lou Boudreau Scholarship awarded to three male graduates of Thornton Township High School attending the University of Illinois.

9. Campus Chest, University of Illinois undergraduate fund-raising organization, \$1,400 for scholarships.

10. Carbide and Carbon Chemicals Company, Texas City, Texas, \$1,000 for a scholarship in chemistry for the academic years 1952-1953 and 1953-1954.

¹ Deduct.

11. Ceco Steel Products Corporation, Chicago, \$2,000 for scholarships in engineering, for the academic year 1955-1956.

12. Chicago Farmers, Chicago, \$500 for a scholarship for a senior student in agriculture.

13. Dads' Association, University of Illinois, \$200 to establish two scholarships, one to be awarded to a first-year woman student and one to a first-year man student, beginning with the academic year 1953-1954.

14. Douglas Aircraft Company, Inc., Santa Monica, California, \$600 for a scholarship in the College of Engineering for the academic year 1953-1954.

15. Forney Foundation, Fort Collins, Colorado, \$500 for two scholarships, one in agriculture and one in agricultural engineering, for the academic year 1953-1954.

16. Mr. and Mrs. Forrest L. Forsythe, Chicago, \$300 to establish the Robert Wade Forsythe Memorial Scholarship in architecture as a memorial to their son who died in Korea.

17. Gulf, Mobile, and Ohio Railroad Company, \$2,200 for seven scholarships in agriculture and home economics for the academic year 1954-1955.

18. Harrison Jules Louis Frank and Leon Harrison Frank Memorial Corporation, Detroit, Michigan, \$500 for a scholarship in electrical engineering for the academic year 1953-1954.

19. Mr. Joseph Harrington, Jr., Wenham, Massachusetts, \$50 for the Dunlap Harrington Memorial Scholarship. (Since 1939 Mr. Harrington has given \$50 annually in memory of his brother, a former University of Illinois student.)

20. Holophane Company, Inc., New York, New York, \$1,200 to establish the Holophane Company Illuminating Engineering Scholarships beginning with the academic year 1953-1954.

21. Illinois Congress of Parents and Teachers:

a. \$600 for three scholarships (\$200 each), for the academic year 1953-1954. (The amount received to date is \$9,000.)

b. \$250 for a scholarship to be awarded to a student preparing to teach handicapped children. (The amount received to date is \$1,450.)

22. Illinois Federation of Women's Clubs, \$1,795 for scholarships in occupational therapy.

23. Illinois Federation of Women's Clubs, Third Congressional District, \$1,320 for scholarships in occupational therapy.

24. Illinois Mining Institute, \$100 for scholarships in mining engineering.

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

26. The Kroger Company, Cincinnati, Ohio, \$1,200 to continue six scholarships (\$200 each) in agriculture and home economics for the academic year 1953-1954.

27. Mr. Albert Mohr, Jr., Chicago, \$1,000 to the Robert Zuppke Scholarship Fund.

28. Monsanto Chemical Company, St. Louis, Missouri, \$500 for a scholarship in chemical engineering for the academic year 1953-1954.

29. John Morse Memorial Foundation, Chicago, \$3,000 for six scholarships in mechanical and electrical engineering for the academic year 1953-1954.

30. University of Illinois Mother's Association, \$200 for two scholarships.

31. Northern Illinois Coal Corporation, Kansas City, Missouri, \$200 for a scholarship in mining engineering.

32. Old Ben Coal Company, \$500 for scholarships in mining engineering for the academic year 1953-1954.

33. Peabody Coal Company, \$400 for scholarships in mining engineering for the academic year 1953-1954.

34. Mrs. Kittie B. Pierce, LaGrange, \$500 for the continuation of the Phyllis Pierce Ruettinger Scholarship for 1953-1954.

35. Pi Kappa Lambda, music fraternity, \$410.45 for scholarships in music.

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

37. The Presser Foundation, Philadelphia, Pennsylvania, \$250 for the continuation of a scholarship in music for the academic year 1952-1953.

38. Procon Incorporated, Des Plaines, \$500 for scholarships in civil and mechanical engineering for the second semester of 1953-1954.

39. Mr. John W. Ruettinger, Chicago, \$500 for the continuation of the John C. Ruettinger Memorial Scholarship for the academic year 1953-1954. (This gift is made through the University of Illinois Foundation of which Mr. Ruettinger is a member.)

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

41. Sinai Temple Congregation of Champaign-Urbana, \$50 for a scholarship in music.

42. Socony-Vacuum Oil Company, Inc., Billings, Montana, \$750 for a scholarship in geology for the academic year 1953-1954.

43. Universal Oil Products Company, Des Plaines, \$1,000 for scholarships for senior students in chemical engineering.

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

45. F. M. Leslie, Trustee of the Homer Baker Memorial Fund, \$257.50 from friends of the late Homer Baker, who operated drugstores in Champaign, Illinois, to be used for financial aid to students in the College of Pharmacy.

46. Mr. Elmer Bash, Champaign, \$300 to be added to the James M. White Memorial Fund, the income from which is used for prize awards to students in the Department of Architecture.

47. Dr. Elmer A. Culler, Columbus, Ohio, the rights and royalties in the film "Views of a Decorticate Dog."

48. Eta Kappa Nu, honorary electrical engineering fraternity, \$500 for the production of a film on "Engineering as a Career."

49. Evans Hall, University residence hall for women, \$50 to be added to the Women Students Aid Fund.

50. Illinois Crop Improvement Association, \$500 for publication of an Agricultural Experiment Station bulletin, "1953 Illinois Corn Tests."

51. Estate of Jennie C. Lee, \$484.88 for the Eddy Orland Lee Student Loan Fund. (The University is a residuary legatee of this estate.)

52. University of Illinois Mother's Association, \$200 to be added to the Women Students Aid Fund.

53. National Scale Men's Association, \$212.50 for reprinting Illinois Engineering Experiment Station Bulletin 242, "Pivots and Bearings."

54. Pi Beta Phi Champaign Alumnae Club, \$100 for financial aid to women students.

55. Ponderosa Pine Woodwork, national organization of the distributors and promoters of the use of ponderosa pine, \$500 for an unrestricted grant to the Department of Architecture.

56. Shi-Ai, student inter-sorority organization, \$200 for financial aid to women students.

57. Tau Delta Tau Fraternity, University of Illinois Chapter, \$80 to be added to emergency student loan funds as a memorial to the late Mr. and Mrs. W. A. Knight, alumni of the University.

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

59. Women's Group System, University of Illinois, \$800 for financial aid to women students.

Total, Undergraduate Scholarships, Prizes, and Other Financial Aid. . \$43,783.33

B. Funds for Graduate Fellowships and Research

60. Allied Chemical and Dye Corporation:

a. National Aniline Division, New York, New York, \$1,856 for the renewal of a fellowship in organic chemistry for the academic year 1953-1954.

b. Nitrogen Division, \$1,866 for the renewal of a fellowship in organic chemistry for the academic year 1953-1954.

61. American Cyanamid Company, New York, New York, \$2,150 for the renewal of a fellowship in chemistry for the academic year 1953-1954.

62. Archer-Daniels-Midland Company, Minneapolis, Minnesota, \$1,500 for the renewal of a fellowship in food technology for the academic year 1953-1954.

63. Armour and Company, Chicago, \$3,000 for the renewal of two fellowships (\$1,500 each) in food technology for the academic year 1953-1954, and \$2,000 for a fellowship in chemistry for the academic year 1953-1954.

64. The California Company, New Orleans, Louisiana, \$1,750 for the renewal of a fellowship in geology for the academic year 1953-1954.
65. Celanese Corporation of America, New York, New York, \$2,500 for the renewal of a fellowship in physics for the academic year 1953-1954.
66. Cincinnati Chemical Works, Cincinnati, Ohio, \$1,756 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
67. The Dow Chemical Company, Midland, Michigan, \$5,500 for three fellowships in chemistry and chemical engineering (two at \$1,500 each and one at \$2,500).
68. E. I. du Pont de Nemours & Company, Wilmington, Delaware, \$3,056 for the renewal of a fellowship in chemical engineering and \$3,614 for a postgraduate teaching fellowship in chemistry, both for the academic year 1953-1954.
69. Eastman Kodak Company, Rochester, New York, \$2,756 for a fellowship in chemistry for the academic year 1953-1954.
70. Ethyl Corporation, Detroit, Michigan, \$1,556 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
71. The Firestone Tire and Rubber Company, Akron, Ohio, \$1,500 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
72. General Electric Educational Fund, Schenectady, New York, \$6,600 for the renewal of two fellowships (\$3,300 each), one in chemistry and one in physics, for the academic year 1953-1954.
73. Illinois Clay Products Company, Joliet, \$4,000 for two fellowships in geology (\$2,000 each) for the academic year 1953-1954.
74. Lakefield Nepheline Syenite Company, Detroit, Michigan, \$800 for the renewal of a fellowship in ceramic engineering for the second semester of the academic year 1952-1953.
75. Lindsay Chemical Company, West Chicago, \$350 to supplement a fellowship in chemistry for the academic year 1953-1954.
76. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota, \$4,000 for the renewal of two fellowships in chemistry (\$2,000 each) for the academic year 1953-1954.
77. Monsanto Chemical Company, St. Louis, Missouri, \$2,840 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
78. National Foundation for Infantile Paralysis, \$900 for laboratory expenses supplementing a fellowship in the Department of Bacteriology, College of Liberal Arts and Sciences.
79. National Lead Company:
 - a. Baroid Sales Division, Houston, Texas, \$2,400 for the renewal of a fellowship in geology for the academic year 1953-1954.
 - b. Titanium Alloy Manufacturing Division, Niagara Falls, New York, \$2,670 for the renewal of a fellowship in ceramic engineering.
80. Olin Industries, Inc., East Alton, \$3,000 for the renewal of a fellowship in chemistry for the academic year 1954-1955.
81. Owens-Corning Fiberglas Corporation, Newark, Ohio, \$1,900 for a fellowship in glass technology, Department of Ceramic Engineering, for the academic year 1953-1954.
82. Pan American Refining Corporation, Texas City, Texas, \$1,750 for the renewal of a fellowship in chemical engineering for the academic year 1953-1954.
83. Parke, Davis & Company, Detroit, Michigan, \$3,312 for the renewal of a fellowship in biochemistry and \$3,350 for the renewal of a fellowship in organic chemistry, both for the academic years 1952-1954.
84. The Procter & Gamble Company, Cincinnati, Ohio, \$3,300 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
85. Radio Corporation of America, New York, New York, \$2,700 for a fellowship in electrical engineering for the academic year 1953-1954.
86. Rohm and Haas Company, Philadelphia, Pennsylvania, \$2,000 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
87. G. D. Searle & Company, Chicago, \$1,980 for the renewal of a fellowship in chemistry for the academic year 1952-1953.
88. Shell Fellowship Committee, New York, New York, \$2,250 for the renewal of a fellowship in chemical engineering and \$2,256 for the renewal of a fellowship in geology, both for the academic year 1953-1954.
89. Socony-Vacuum Laboratories, Paulsboro, New Jersey, \$2,000 for the renewal of a fellowship in chemistry for the academic year 1953-1954.

90. Standard Oil Company of California, San Francisco, California, \$2,212 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
91. Standard Oil Company, Cleveland, Ohio, \$2,100 for a Sohio fellowship in chemistry and chemical engineering for the academic year 1953-1954.
92. Standard Oil Foundation, Inc., Chicago, \$2,500 for a fellowship in chemistry for the academic year 1953-1954.
93. Henry Strong Educational Foundation, Chicago, \$600 for the renewal of a fellowship in electrical engineering for the academic year 1953-1954.
94. Texas Instruments, Inc., Dallas, Texas, \$2,500 for the Texas Instruments Fellowship in Physics of the Solid State for the academic year 1953-1954.
95. The Trane Company, La Crosse, Wisconsin, \$1,500 to establish a fellowship in mechanical engineering beginning with the academic year 1954-1955.
96. Union Carbide and Carbon Research Laboratories, Inc., \$3,300 for the renewal of a fellowship in metallurgical engineering for the academic year 1953-1954.
97. United States Rubber Company, Passaic, New Jersey, \$3,300 for a fellowship in chemistry for one year beginning July 1, 1953.
98. University of Illinois Library School Alumni, \$600 to be added to the Katharine L. Sharp fellowship for the academic year 1953-1954.
99. Victor Chemical Works, Chicago, \$2,000 for the renewal of a fellowship in chemistry for the academic year 1953-1954.
100. The Visking Corporation, Chicago, \$4,500 for the renewal of two fellowships (\$2,250 each), one in chemistry and one in mechanical engineering, for the academic year 1954-1955.
101. Westinghouse Educational Foundation, Pittsburgh, Pennsylvania, \$2,000 for the renewal of a fellowship in engineering for the academic year 1953-1954.
102. Abbott Laboratories of Chicago, \$500 to the Department of Animal Science for a study of arsenic acid in swine rations.
103. African Violet Society of America, Inc., Canandaigua, New York, \$1,750 to the Department of Horticulture for research on African violets.
104. American Cancer Society, New York, New York:
 - a. \$20,000 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, for one year beginning July 1, 1953.
 - b. \$2,000 to the Department of Food Technology for a study of the influences of carcinogenic agents on fat metabolism, under the direction of Dr. Fred A. Kummerow, for one year beginning July 1, 1952.
 - c. \$3,832 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, for one year beginning July 1, 1952.
 - d. \$14,186.88 to the Department of Botany for a study on plant tumors produced by virus, under the direction of Professor L. M. Black, for one year beginning July 1, 1953.
105. American Dairy Association, Chicago, \$5,000 to the Department of Food Technology for a study to determine the nutritive value of heated butterfat compared to heated substitute fats.
106. American Dehydrators Association, \$1,500 to the Department of Animal Science for a study of the possibility of toxicity of antioxidants used in rations for calves and swine.
107. Armour and Company, Chicago:
 - a. \$3,000 to the Department of Animal Science to continue grant-in-aid.
 - b. \$3,000 to the Department of Food Technology for a study of the mechanism of unsaturated fatty acids and the nature of the products formed.
108. Borden Company, New York, New York, \$1,000 to the Department of Food Technology for research on fats, oils, and emulsifiers.
109. The Carle Foundation, Urbana, \$2,500 to the Department of Physiology for radiation studies.
110. Carnegie Corporation, New York, New York, \$8,500 for a pilot study of therapeutic counseling.
111. Columbia-Southern Chemical Corporation, Pittsburgh, Pennsylvania, \$5,000 to the Department of Agronomy for continuation of weed control investigations.

112. Dow Chemical Company, Midland, Michigan, \$1,800 to the Department of Agronomy to continue research on herbicides.
113. E. I. du Pont de Nemours and Company, Wilmington, Delaware:
 - a. \$30,000 to the Department of Chemistry and Chemical Engineering for fundamental research for the academic years 1953-1954 and 1954-1955.
 - b. \$500 to the Department of Agronomy for research on weed control.
114. Food Machinery and Chemical Corporation, Niagara Chemical Division, Middleport, New York:
 - a. \$1,200 to the Department of Horticulture for research on chemical thinning of fruit trees.
 - b. \$500 to the Department of Agronomy for research on chemical control of weeds.
115. General Aniline and Film Corporation, General Aniline Works, New York, New York, \$1,800 to the Department of Chemistry and Chemical Engineering for the renewal of a research assistantship for the academic year 1953-1954.
116. Illinois Farm Supply Company, \$2,000 to supplement research programs in the Departments of Animal Science and Dairy Science.
117. Illinois Seed Producers Association, Inc., \$6,183.21 to the Department of Agronomy for corn research.
118. Illinois State Chamber of Commerce, \$3,000 to the Bureau of Educational Research for a public school finance study in the state of Illinois.
119. Inter-University Labor Education Committee (funds supplied by the Ford Foundation), \$17,500 for participation of the Institute of Labor and Industrial Relations with other universities in labor education programs. (A continuation of previous grants.)
120. Eli Lilly and Company, Indianapolis, Indiana, \$1,500 to the Department of Chemistry and Chemical Engineering for research on triterpene and steroids for one year beginning January 1, 1954.
121. Midwest Barley Improvement Association, Milwaukee, Wisconsin, \$200 to the Department of Agronomy for barley variety fertilizer tests.
122. Mrs. C. Phillip Miller, Chicago, \$2,296 to be added to the Sinissippi Forest Trust Fund in support of forestry research.
123. Monsanto Chemical Company, Dayton, Ohio, \$1,000 to the Department of Animal Science for a study of cattle feed supplements.
124. National Livestock and Meat Board, \$2,600 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.
125. National Science Foundation, Washington, D.C., in support of the following research:
 - a. \$5,000 for research on metal complexes in resolution of optically active organic substances, under the direction of Professor John C. Bailar, Jr., Department of Chemistry and Chemical Engineering (G280).
 - b. \$11,800 for research on properties of glacial till, under the direction of Professor George W. White, Department of Geology (G443).
 - c. \$5,300 for research on transference numbers of salts in non-aqueous solvents, under the direction of Dr. B. Roger Ray, Department of Chemistry and Chemical Engineering (G484).
126. National Vitamin Foundation, Inc., New York, New York, \$4,950 to the Department of Animal Science for studies of the mechanism of vitamin B12 activity.
127. Northern Illinois Breeding Association and the Southern Illinois Breeding Association, \$10,000 to the Department of Dairy Science for research in artificial insemination.
128. Pennsylvania Salt Manufacturing Company, \$500 to the Department of Agronomy for weed studies.
129. Pure Milk Association, \$1,000 to the Department of Food Technology for a study to develop new types of dairy spreads.
130. Riverdale Chemical Company, Harvey:
 - a. \$500 to the Natural History Survey for entomological research.
 - b. \$1,000 to the Department of Agronomy for research on weed control.
131. The Rockefeller Foundation, New York, New York:
 - a. \$25,000 to the Department of Entomology for research under the direction of Professor G. S. Fraenkel, for three years beginning July 1, 1953.

b. \$27,000 to the Department of Bacteriology for the research and training program of Professor H. O. Halvorson, for three years beginning July 1, 1953.

c. \$18,200 for American Studies in Kyoto, Japan, under the sponsorship of Kyoto University, Doshisha University, and the University of Illinois.

132. Rural Electrification Council and the Illinois Agricultural Association, \$5,000 to assist in financing farm safety programs.

133. Schlitz Brewing Company, Milwaukee, Wisconsin, \$2,500 to the Department of Food Technology for research investigations on the use of ruby glass as a container material for such products as milk, fats, and other materials subject to deterioration from exposure to light.

134. Smith-Douglass Company, Inc., Streator, \$7,500 to the Department of Agronomy for soil research.

135. Swift and Company, Chicago:

a. \$8,000 to the Department of Animal Science for research on nutritional requirements of pregnant and lactating swine.

b. \$6,000 to the Department of Bacteriology for a study of bacterial spores.

136. Tennessee Corporation Research Laboratories, College Park, Georgia, \$400 to the Department of Horticulture for investigations of fungicides for the control of diseases of fruits, vegetables, and ornamental plants.

137. Union Stock Yard and Transit Company, Chicago, \$5,200 to the Department of Agricultural Economics for a study of livestock marketing.

138. United States Rubber Company, Naugatuck Chemical Division, \$500 to the Department of Horticulture for a study of usefulness of fungicidal mixtures in spraying Illinois fruit (apple and peach) trees.

139. \$13,925 from the following donors for College of Agriculture research and education programs in farm electrification: Association of Illinois Electric Cooperatives, \$7,000; Central Illinois Electric and Gas Company, \$425; Central Illinois Light Company of Peoria, \$550; Illinois Power Company of Decatur, \$2,450; Public Service Company of Northern Illinois, \$3,500.

140. \$3,234.56 from the following donors to the Department of Mechanical Engineering for an exhibit "Thermal Response to Entering and Leaving Hot Environments" in the Scientific Exhibit of the American Medical Association, Grand Central Palace, New York, June, 1953: American Society of Heating and Ventilating Engineers, \$2,134.56; Carrier Corporation, \$500; Eureka Williams Corporation, \$50; Trane Company, \$100; Viking Air Conditioning Corporation, \$150; Worthington Corporation, \$300.

141. Velsicol Corporation, Chicago, \$2,500 to the Department of Zoology for an investigation of the toxicity of chlorinated hydrocarbons, for one year beginning July 1, 1953.

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

Total, Funds for Graduate Fellowships and Research.....\$424,787.65

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

143. The Aluminum Company of America, New Kensington, Pennsylvania, to the Department of Mining and Metallurgical Engineering, a 10-inch by 29½-inch finishing foil mill.

144. Bay State Abrasive Products Company, Westboro, Massachusetts, to the Department of Mechanical Engineering, a display board of abrasive products (estimated value, \$1,000).

145. Mr. Charles M. Cadwell, Cadwell, Illinois, to the College of Fine and Applied Arts, two paintings by the distinguished American painter, Ralph A. Blakelock.

146. Chrysler Corporation, Detroit, Michigan, to the Department of Mechanical Engineering, a new Dodge Red Ram V-8 engine (estimated value, \$650).

147. Commonwealth Edison Company, to the Department of Mechanical Engineering, equipment to be used in the heat pump research program (estimated value, \$900).

148. Ford Motor Company, Ford Division, Melrose Park, to the Department of Mechanical Engineering, two new Ford truck engines (estimated value, \$1,000).

149. Harnischfeger Corporation, Crystal Lake, Illinois, to the Department of Mechanical Engineering, a Harnischfeger P and H four-cylinder Diesel engine (estimated value, \$1,000).

150. Illinois Power Company, air-conditioning equipment for the network analyzer room in the Electrical Engineering Building.

151. Japanese University Accreditation Association, Tokyo, Japan, reproductions of murals from the Horyuji Temple.

152. Estate of Maude S. Lundgren, a Japanese sword and an oil painting of her husband, the late Carl Lundgren, University baseball coach.

153. Professor *Emeritus* William Spence Robertson of the Department of History, his personal library.

154. Mr. and Mrs. Merle J. Trees of Chicago, \$1,000 to be added to the income account of the "Emily Nichols Trees (Class of 1905) and Merle Jay Trees (Class of 1907) Collection Endowment Fund" for the maintenance of the Trees collection of paintings.

155. University Club of Chicago, to the Department of Architecture and Art, Chicago Undergraduate Division, twenty framed engravings.

156. Miss Nellie Walker, Colorado Springs, Colorado, to the College of Fine and Applied Arts, a 28-inch bronze figure of Lorado Taft.

Total, Gifts of Equipment, Library Materials, Works of Art, and

Funds for Maintenance of Gifts.....\$1,000.00

Total, Urbana-Champaign\$469,570.98

For the Chicago Professional Colleges

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

157. Abbott Laboratories, North Chicago:

a. \$2,000 to the Department of Neurology and Neurological Surgery for research in electroencephalography, under the direction of Dr. Frederic A. Gibbs.

b. \$1,000 to the Department of Physiology for a study of the effect of a new type of renal extract in experimental hypertensions, under the direction of Dr. G. E. Wakerlin, for one year beginning August 1, 1953.

c. \$500 to the Department of Medicine for a study of B₁₂ absorption using radioactive cobalt, under the direction of Dr. Robert M. Kark, for one year.

d. \$1,600 to the Department of Medicine for research on connective tissue in allergy, under the direction of Dr. Max Samter.

e. \$2,000 to the Department of Medicine for a study of the effects of diet concentrated nutrients and drugs in preventing or curing D. F. P. demyelination in rats and its relationship to multiple sclerosis, under the direction of Dr. Robert M. Kark.

158. American Felsol Company, \$5,000 to the Department of Medicine for a study of the effect of antipyrine and related drugs on bronchial asthma, under the direction of Dr. Max Samter.

159. Armour Laboratories, Chicago, \$3,600 to the Department of Medicine for the Armour Hematology Fund, for research by Dr. Harry F. Dowling.

160. Bauer and Black, \$1,000 to the Department of Dermatology for continuation of a study of the action and utility of phenoxyethanoic acid, under the supervision of Dr. Adolph Rostenberg.

161. Ciba Pharmaceutical Products, Inc., Summit, New Jersey, \$4,284 to the Department of Medicine for experimental and clinical studies in hypertensive disease, under the direction of Doctors Ford K. Hick and R. L. Grissom, for one year beginning March 1, 1953.

162. Cook-Waite Laboratories, Inc., New York, New York, \$500 to the Department of Surgery for a study of use of local anesthetics in dentistry, under the direction of Dr. Max Sadove.

163. Davis and Geck, Inc., Brooklyn, New York, \$500 to the Department of Surgery to be added to the visual education grant for studies under the supervision of Doctors Warren H. Cole and H. P. Jenkins.

164. Gillette Safety Razor Company, Boston, Massachusetts, \$19,500 to the Department of Biochemistry for a study of the role of the sulfhydryl group in cellular metabolism, under the direction of Dr. L. L. Gershbein.

165. Griffith Laboratories, \$325 to the Department of Pharmacology, to be added to the Anonymous Renal Research Fund, for research under the supervision of Dr. C. C. Pfeiffer.

166. Hoffman-La Roche, Inc., Nutley, New Jersey, \$1,500 to the Department of Surgery for research on arfonad, under the direction of Dr. Max S. Sadove.

167. Eli Lilly Company, Indianapolis, Indiana:
a. \$1,671 to the Department of Physiology for a study of synovial membrane permeability, under the direction of Dr. C. I. Reed.
b. \$2,000 to the Department of Physiology for a study of behavior of plasma proteins in the kidney, under the direction of Dr. A. A. Schiller.
c. \$5,400 to the Department of Medicine for a study of the effect of drugs and hormones on the production of anti-erythrocytic auto-antibodies and on the degree of resultant hemolysis, under the direction of Dr. William R. Best.
168. Mallinckrodt Chemical Works, St. Louis, Missouri, \$10,000 for the renewal of a fellowship in the Department of Pharmacology for one year beginning January 1, 1953, and an addition to the Mallinckrodt Anticonvulsant Fund, both grants being for studies under the supervision of Dr. C. C. Pfeiffer.
169. Miles Laboratories, Chicago, \$650 to the Department of Clinical Science for research on pancreatitis, under the direction of Dr. A. C. Ivy.
170. Ohio Chemical and Surgical Equipment Company, Madison, Wisconsin, \$700 to the Department of Surgery for a study of isopropyl vinyl ether, under the direction of Dr. Max S. Sadove.
171. Parke, Davis and Company, Detroit, Michigan, \$3,600 to the Department of Biological Chemistry for a study on blood dysorاسias, under the direction of Dr. S. B. Binkley.
172. Charles Pfizer and Company, Inc., Brooklyn, New York:
a. \$12,000 to the Department of Medicine for continuation of investigations of infectious diseases, preventive medicine, and related fields, under the direction of Dr. Harry F. Dowling, for two years beginning September 1, 1952.
b. \$1,000 for the renewal of scholarships in the College of Medicine.
173. Riker Laboratories, \$500 to the Department of Dermatology for a study of the use of silver asbologxane as a fungicidal agent, under the direction of Dr. F. E. Senear.
174. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania:
a. \$5,000 for a fellowship under the direction of Dr. C. C. Pfeiffer, Department of Pharmacology, for one year beginning January 1, 1953.
b. \$1,000 for lectures on neurophysiology, under the direction of Dr. R. W. Gerard.
175. R. J. Strassenburgh Company, Rochester, New York, \$5,500 to the Department of Clinical Science for a study of the effects of inositol hexanitrate in patients with hypertension, under the direction of Dr. A. C. Ivy, for one year beginning May 1, 1952.
176. Travenol Laboratories, Inc., Morton Grove, \$2,500 to the Department of Pharmacology for a study of the analgesic and convulsant effect of pyrogens, under the direction of Dr. C. C. Pfeiffer, for one year beginning January 1, 1952.
177. Winthrop-Stearns, Inc., New York, New York, \$500 to the Department of Surgery for investigation of ravocaine with inositol, under the direction of Dr. Max S. Sadove.
178. Mr. Victor S. Yarros, \$300 to be added to the Rachele S. Yarros Scholarship Fund.
179. Louis Bothman Fellowship Memorial Fund, Inc., \$1,264.86 for the Louis Bothman fellowship in ocular pathology, under the supervision of Dr. William F. Hughes, Jr.
180. Chandler Research Fund, \$16 to the Department of Orthopaedic Surgery for research under the direction of Dr. F. A. Chandler.
181. W. K. Kellogg Foundation, \$20,000 to the College of Dentistry for the development of extension postgraduate teaching program.
182. Lakeland Foundation, Chicago:
a. \$12,429 to the Department of Clinical Science for continuation of a study to attempt to isolate the growth stimulating and inhibiting agents from the liver or intestinal mucosa, under the direction of Dr. A. C. Ivy.
b. \$1,778 to the Department of Clinical Science for continuation of the cancer diagnostic test, under the direction of Dr. A. C. Ivy.
183. Leukemia Research Foundation, Inc., Chicago, \$5,648 to the Department of Anatomy for a study on the influence of the age of the mother on the incidence of spontaneous leukemia in inbred mice, under the direction of Dr. Arthur Kirschbaum, for the period April 1, 1953, through September 30, 1954.

184. John and Mary R. Markle Foundation, New York, New York, \$12,000 for scholarships in the medical sciences.

185. National Foundation for Medical Education, Inc., \$30,142.50 for the educational programs of the College of Medicine. (\$1,882.50 of this amount has been contributed by individual physicians.)

186. National Foundation for Prevention of Blindness, \$4,000 to the Department of Ophthalmology to study the rate of secretion of aqueous in man, under the direction of Dr. P. C. Kronfeld.

187. Ortho Research Foundation, Raritan, New Jersey, \$1,500 to the Department of Obstetrics and Gynecology for research on a comparison of calcium ferrous citrate mol-iron and ferrous sulfate in the treatment of secondary anemias of pregnancy, under the direction of Dr. F. H. Falls.

188. The Teagle Foundation, Inc., \$16,000 to the Department of Psychiatry for continuation of research in paralysis agitans, under the direction of Dr. Ralph Gerard.

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

a. \$6,000 to the Department of Pathology for continuation of a study of changes in the connective tissue stroma of the cyclic organs of reproduction as influenced by hormones—integration of parenchymatous and stromal changes, under the direction of Dr. H. R. Catchpole.

b. \$4,412.42 to the Department of Biological Chemistry for research on the turnover of plasma mucoprotein studies with isotopically labeled amino acids, under the direction of Dr. R. J. Winzler, for the period September 1, 1952, to June 30, 1953.

c. \$4,725 to the Department of Anatomy for continuation of research on chemotherapy of mouse leukemia, under the direction of Dr. Arthur Kirschbaum, for one year beginning July 1, 1952.

190. American Heart Association, New York, New York, \$5,250 to the Department of Physiology for research on 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, 1952.

191. American Society of Heating and Ventilating Engineers, New York, New York, \$6,500 to the Department of Medicine for research under the direction of Dr. Ford Hick, for one year beginning July 1, 1952.

192. Asthmatic Children's Aid, Chicago:

a. \$250 to the Departments of Dermatology and Medicine for services of a consulting psychologist for the Allergy Clinic, under the direction of Doctors Ben Z. Rappaport and Max Samter.

b. \$5,000 to the Department of Medicine (Allergy Unit) for studies in immunology and histochemistry under the direction of Doctors Ben Z. Rappaport and Max Samter.

193. Beverly Hills Junior Women's Club, \$50 to the Orthopaedic Gift Fund.

194. Chicago Heart Association, \$10,500 to the Department of Physiology to continue research on pathogenesis and treatment of experimental renal hypertension in dogs and monkeys, under the direction of Dr. G. E. Wakerlin, for one year beginning July 1, 1953.

195. CIO Local 1220, \$20 for patient entertainment.

196. Drama Club of Evanston, \$500 to the Department of Orthopaedic Surgery.

197. Illinois Veterinary Practitioners Association, \$25 to the Chicago Professional Colleges Library.

198. Women's Auxiliary of the College of Medicine, \$6 to the Department of Orthopaedic Surgery for the Orthopaedic Gift Fund for Children.

199. Kappa Alpha Theta Sorority, \$219.62 to the Department of Orthopaedic Surgery for the Orthopaedic Gift Fund.

200. Muscular Dystrophy Association, New York, New York, \$5,000 to the Department of Medicine for a study of carnitine metabolism in muscular dystrophy, under the direction of Dr. Robert M. Kark, for one year beginning January 28, 1953.

201. National Tuberculosis Association, \$3,351.66 to the Department of Biological Chemistry for a study of mucoproteins of human plasma, under the direction of Dr. R. J. Winzler, for the period November 1, 1952, through March 31, 1953.

202. Phi Mu Sorority \$13.26 to the Occupational Therapy Gift Fund.

203. United Cerebral Palsy Association:
- a. \$10,000 to the Department of Pharmacology for a study of neuropharmacology aspects of cerebral palsy, under the direction of Dr. Klaus R. Unna, for one year beginning May 1, 1953.
 - b. \$22,313 to the Department of Physical Medicine for a program of research, education, and service to the sick in the interests of cerebral palsied patients, under the supervision of Dr. Frances A. Hellebrandt.
 - c. \$3,600 to the Department of Occupational Therapy for a special study of the treatment of cerebral palsy to provide basic instruction in clinical administration of the cerebral palsy cases, under the direction of Miss Beatrice D. Wade.
204. Women's Auxiliary of the College of Medicine, \$110 to the Occupational Therapy Gift Fund.
205. Women's Council for Blood Research, Inc., \$1,000 to the Department of Medicine for a study on serologic aspects of hematology, under the direction of Dr. Mark H. Lepper.
206. United States Public Health Service, for support of the following research and educational programs:
- a. \$4,725 for study of dialyzability of substances involved in syndromes of hepatic coma, postoperative hepatorenal syndrome, eclampsia and other intoxications by modified Kolff techniques, and biological and chemical characterization of dialysate, under the direction of Dr. S. H. Armstrong, Department of Medicine, for one year beginning December 1, 1951 (A-93-C).
 - b. \$6,340 for biochemical studies on gulose, idose, and talose, under the direction of Dr. Paul Kohn, Department of Biological Chemistry, for one year beginning September 1, 1953 (A-425).
 - c. \$35,008 for studies on metabolism, morphology, and electrical properties of the nervous system in relation to each other and to normal and disturbed functioning, under the direction of Dr. R. W. Gerard, Department of Psychiatry, for one year beginning September 1, 1953 (B-413).
 - d. \$11,502 for research on relations between nuclear and cytoplasmic nucleoproteins in developing and mature nerve cells, under the direction of Doctors Arthur and Faith La Velle, Department of Anatomy, for one year beginning September 1, 1953 (B-415).
 - e. \$9,828 for the study of odontome formation in a known strain of rats, under the supervision of Dr. Isaac Schour, Department of Histology, for one year beginning October 1, 1952 (C-464-C4).
 - f. \$4,908 for the study of the chemical and mechanical factors which may alter the normal growth pattern of gastric mucosa, under the direction of Dr. A. C. Ivy, Department of Clinical Science, from November 1, 1952, through February 28, 1954 (C-1110-C3).
 - g. \$9,936 for the study of the role of adrenal cortical secretion in the genesis and growth of mouse mammary cancer, under the direction of Dr. Arthur Kirschbaum, Department of Anatomy, for one year beginning September 1, 1953 (C-1969).
 - h. \$4,551.57 for the study of desensitization in the eozematously sensitized animal, under the direction of Dr. Adolph Rostenberg, Department of Dermatology, for one year beginning April 1, 1953 (C-3424-C).
 - i. \$24,401.42 to the Tumor Clinic for cancer training grant, under the direction of Dr. Danely P. Slaughter, for one year from April 1, 1952 (CT-630-C4).
 - j. \$5,000 to promote a teaching cancer program, under the supervision of Dr. Isaac Schour, Department of Histology, for one year from April 1, 1953 (CT-663-C5).
 - k. \$1,600 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, 1952 (D-26-C3).
 - l. \$5,123.49 for an electronmicroscopic study of the glomerulus, especially its basement membrane in normal and nephritic mice, under the direction of Doctors Parke H. Simer and Arthur Kirschbaum, Department of Anatomy, for one year beginning April 1, 1953 (G-3423-C).
 - m. \$10,735.18 for an investigation of heat regulation of the aged and infirm, under the direction of Dr. Ford K. Hick, Department of Medicine, for one year from July 1, 1953 (G-3415-C).

- n. \$500 for the study of dental caries, under the direction of Doctors Milan V. Novak and Jack Zwemer, Department of Bacteriology (GR6D 3484f-C).
- o. \$8,164.69 for a study of adaptations of human cardiovascular mechanisms to stress, to physiologic anoxia, to alterations in serum osmotic pressure; an approach to definition of circulatory failure in terms of ability to adapt to stress, under the direction of Doctors S. H. Armstrong, Jr. and R. L. Grissom, Department of Medicine, for one year beginning November 1, 1952 (H-404-C3).
- p. \$5,967 for research on quantitative estimation of vascular permeability with emphasis on alterations due to changes in blood PO_2 and P^{CO_2} , under the direction of Dr. A. A. Schiller, Department of Physiology, for one year beginning September 16, 1952 (H-425-C3).
- q. \$20,000 for the renewal of a grant on the 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 beginning September 16, 1952 (H-428-C3).
- r. \$6,913.36 for research on the isolation and characterization of cardiac myofibrils, under the direction of Dr. G. M. Hass, Department of Pathology, for one year beginning September 16, 1953 (H-429-C3).
- s. \$4,915.73 for the study of experimental arteriosclerosis and atherosclerosis in young and old rabbits, under the direction of Dr. G. M. Hass, Department of Pathology, for one year beginning September 16, 1952 (H-452-C3).
- t. \$15,619 for research on endothelial permeability in ascites and edema as modified by therapy, under the direction of Dr. R. M. Kark, Department of Medicine, for one year beginning September 16, 1952 (H-1029-C).
- u. \$4,999.75 for the study of glomerulonephritis in inbred mice, under the direction of Dr. Arthur Kirschbaum, Department of Anatomy, for one year beginning November 1, 1952 (H-1062-C).
- v. \$6,200 for the study of endocrine effects on the metabolism and function of the myocardium, under the direction of Dr. W. V. Whitehorn, Department of Physiology, for one year beginning January 1, 1953 (H-1353).
- w. \$3,053 for the study of the effects of long-term therapy with hexamethonium and hydrazinophthalazine on renal hemodynamics and electrolytes, under the direction of Dr. James A. Schoenberger, Department of Medicine, for one year beginning December 1, 1952 (H-1354).
- x. \$12,322 for the study of renal hemodynamics as influenced by drugs, under the direction of Dr. T. R. Sherrod, Department of Pharmacology, for one year from July 1, 1953 (H-1665-C).
- y. \$14,000 for the cardiovascular teaching program, Department of Medical Administration, for one year beginning September 1, 1952 (HT-300-C3).
- z. \$20,145 for the study of the analysis of the factors involved in the psycho-analytic therapy process, under the direction of Dr. David Shakow, Department of Psychiatry, for one year beginning June 1, 1953 (M-637).
- aa. \$19,332 for the study of convulsant metabolites which may be etiological in epilepsy or effective in schizophrenia, under the direction of Dr. C. C. Pfeiffer, Department of Pharmacology, for one year beginning June 1, 1953 (M-639).
- bb. \$35,297 for the study of neural mechanisms of behavior, under the direction of Dr. R. W. Gerard, Department of Psychiatry (M-694).
- cc. \$32,269.10 for a training grant in clinical psychology, under the direction of Dr. David Shakow, Department of Psychiatry, for two years beginning July 1, 1952 (M-5083-C5 and 2M-5083-C6).
- dd. \$10,246.34 for a postdoctoral training program, under the direction of Dr. David Shakow, Department of Psychiatry (2M-5538-C1, 2M-5538-C2, and 2M-5538-C3).
- ee. \$9,936 for the study of histopathology of gingiva in systemic disease, under the direction of Dr. Isaac Schour, Department of Histology, for one year beginning September 1, 1952 (RG-359-C4).
- ff. \$11,765.97 for research on renal glomeruli, under the direction of Dr. C. A. Krakower, Department of Pathology, for one year beginning September 1, 1952 (RG-3066-C).
- gg. \$22,042.08 for the renewal of cancer training grant for research under the direction of Dr. Danely P. Slaughter, in the Tumor Clinic, for one year beginning April 1, 1953 (630-C-5).

hh. \$4,918 for the study of the effects of betatron electron beam on central nervous system, under the direction of Doctors Percival Bailey and Roger A. Harvey, Departments of Neurology and Neurological Surgery and Radiology, for six months beginning January 1, 1953 (853-C3).

ii. \$3,672 for the 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, Department of Anatomy, for one year beginning September 1, 1952 (1542-C).

jj. \$5,837.25 for the study of the 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 September 1, 1952 (1543-C).

kk. \$8,000 for the study of the electrolyte changes in protein anabolism during rapid rehabilitation from inanition, under the direction of Dr. R. M. Kark, Department of Medicine, for one year beginning October 1, 1952 (3274-C).

ll. \$6,015 for basic studies on cerebral palsy, under the direction of Dr. R. W. Gerard, Department of Psychiatry, for one year beginning September 1, 1952.

Total, Funds Received from Private Industries, Foundations, Other Organizations, and Government Agencies for Research and Graduate Study\$715,052.25

B. Funds Received from Individuals

207. Mr. Albert L. Arenberg, Chicago, \$3,000 to the Department of Surgery for studies of extra-corporeal circulation, under the direction of Dr. O. C. Julian.

208. Mr. W. R. Barker, Chicago, \$1,000 to the Department of Neurology and Neurological Surgery for research on the chemical basis of epilepsy, under the direction of Dr. F. A. Gibbs. (This is Mr. Barker's fourth annual contribution to the project.)

209. Estate of the late Daisy C. Beadles of Cass County naming the University as a legatee, \$3,271.89 for work with crippled children and \$3,271.89 for research in cancer, tuberculosis, and arthritis.

210. Berkelhamer Family, \$100 for the annual Dr. Ralph C. Berkelhamer Scholarship. (This scholarship was started in 1946.)

211. Mrs. W. I. Brockson, \$12.08 to the Orthopaedic Surgery Gift Fund for the purchase of books for the children's library.

212. Class of 1928 of the College of Dentistry, \$250 to help perpetuate the Frederick B. Noyes Seminar Prize.

213. Mrs. F. A. Graham, Prophetstown, Illinois, \$160 to the Department of Medicine for arteriosclerosis research, under the direction of Dr. H. F. Dowling.

214. Mr. Vincent Janis, \$50 to the Anonymous Psychiatry Gift Fund.

215. Mr. Frank Jones, \$303 to the Miscellaneous Gift Cancer Research Fund in memory of his wife, Ethyl Jones.

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

217. Dr. Leo F. Miller, \$50 for the Orthopaedic Research-Doctor Miller Fund.

218. Mr. John W. Ruettinger, Class of 1927, \$3,300 for the annual installment for the Pauline E. Ruettinger Memorial Fund for the study of arteriosclerosis, under the direction of Dr. C. L. Pirani, Department of Pathology.

219. Mr. and Mrs. Lewis Root, \$200 for the Miscellaneous Gift Cancer Research Fund.

220. Dr. H. N. Sanford, \$15 to the Pediatric Gift Fund.

221. Mrs. Sam Scheinbuks, \$1,300 for the Jack Holtzman Memorial Cancer Fund for a study on the effects of radiation on brain tumors and studies in localization of tumors, under the direction of Doctors Percival Bailey and Arthur Arnold.

222. Dr. A. C. Scott, Evansville, \$30 to the Psychiatry Gift Fund.

223. From the following donors to the Orthopaedic Surgery Alumni Fund: Dr. Alan R. Crain, \$25; Dr. Kurt Eichelbaum, \$50; Dr. J. D. Farrington, \$100; Dr. Charles T. Flynn, Jr., \$25; Dr. E. S. Leimbacher, \$50; Dr. William A. Marshall, \$25; Dr. Leo F. Miller, \$100; Dr. Frank Murphy, \$50; Dr. Herschel Penn, \$25; Dr. Lyle W. Russell, \$25; Dr. W. H. Schwingel, \$25; Dr. Fred Shapiro, \$25; Dr. W. F. Stafford, \$10; Dr. H. E. Turner, \$100.

<i>Total, Funds Received from Individuals.....</i>	<i>\$ 16,998.86</i>
<i>Total, Chicago Professional Colleges.....</i>	<i>\$ 732,051.11</i>
<i>Grand Total.....</i>	<i>\$1,201,622.09</i>

This report was received for record.

ADDITION TO CONTRACT FOR CONSTRUCTION OF MEN'S RESIDENCE HALLS

(21) The Director of the Physical Plant and the Acting Comptroller recommend an increase of \$2,950 in the contract with the Felmley-Dickerson Company for the construction of the Men's Residence Halls, approved by the Board November 23, 1951, for the construction of a ramp at the west end of the Flagg House unit for the use of paraplegic students living in the Parade Grounds Units, so that they may have better access to the food service facilities which have been enlarged as a part of the residence halls expansion program. The estimate of cost has been checked by the Physical Plant Department and found to be a reasonable charge.

Funds are available in the proceeds of the Residence Hall bond issue of 1951.

I concur and recommend that the Acting Comptroller be authorized to execute this addition to the contract.

On motion of Mrs. Watkins, this increase was approved and the Acting Comptroller was authorized to execute the change in the contract.

APPLICATION OF ILLINOIS POWER COMPANY FOR RATE INCREASES

(22) The President of the University reported on a conference he has had with officials of the Illinois Power Company relating to the University's position on the Company's rate hearings before the Illinois Commerce Commission. The Company has requested authority to increase rates charged for electric power, gas, and steam. The University is cooperating with the municipal officials of Urbana and Champaign in preparing data and assembling other information pertinent to the proposed rate increases to be used at the hearings. If, after the University's investigation has been completed, it concludes that the proposed rate increases are not objectionable, it will withdraw from the hearings and state its position to the Commission.

This report was received for record.

EXECUTIVE SESSION

At this point, an Executive Session having been requested, it was so ordered for consideration of the following recommendations from the President of the University.

EQUIPMENT ACQUISITION FOR CONTROL SYSTEMS LABORATORY

(23) The Department of the Navy has requested the University to acquire a special purchase computer for use in certain of the classified programs being carried on for the government by the Control Systems Laboratory. It is proposed that this be accomplished by a contract with the Office of Naval Research which will reimburse the University for all costs of such acquisition, including an allowance for indirect costs.

It will then be necessary for the University to subcontract with a vendor approved by the government and the University. Because of the problems involved resulting from classified research and the unique nature of the equipment to be acquired, it is very probable that a vendor will have to be chosen primarily upon basis of ability to deliver and with only informal competitive proposals. It is anticipated that the cost of the equipment will not exceed \$320,000.

The acquisition of this equipment by the Control Systems Laboratory will commit the University to the continuation, for several years, of certain of the government-sponsored programs of the Control Systems Laboratory.

The Director of the Laboratory and the Dean of the College of Engineering recommend the negotiation of these proposed contracts as described above

and the acceptance of the commitment to continue at least certain programs of the Control Systems Laboratory for several years beyond the expiration of the present general contract November 30, 1954.

I concur in this recommendation and request that the Acting Comptroller and the Secretary of the Board be authorized to execute the necessary documents.

On motion of Mrs. Watkins, this recommendation was approved and authority was given as requested.

PATENTABLE DISCOVERY

(24) The University Patent Committee reports that Robert C. Hansen, Research Associate in Electrical Engineering, and Edward C. Jordan, Professor of Electrical Engineering, have developed a new method of radio direction finding which eliminates or substantially reduces the error known as polarization error or night-effect error. This method, and systems resulting therefrom, have chief application in aircraft radio direction finding, but they may also be used in shipboard and ground-based direction finders. This invention was the result of research under an Air Force contract and will be of primary importance to the Armed Services. The University Patent Committee concurs in the recommendation of the Department of Electrical Engineering that the invention be released to the Air Force.

I concur and request approval.

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

DELETION OF WORK REMAINING TO BE DONE BY PATRICK WARREN CONSTRUCTION COMPANY UPON RESEARCH AND EDUCATIONAL HOSPITALS ADDITION AND ASSIGNMENT OF ITS SUBCONTRACTS TO UNIVERSITY

(25) The present status of various phases of the contract between the Patrick Warren Construction Company (hereinafter termed "Warren") and the University for the general construction work upon the Research and Educational Hospitals Addition and of the work to be done thereunder, and of certain claims asserted by Warren and others against the University in connection with this project, is outlined in a memorandum which has been filed with the Secretary of the Board and copies of which have been presented to the members of the Board of Trustees today. For the reasons stated therein, it appears desirable that action be taken to secure the completion of work remaining to be done by Warren's subcontractors upon the Hospital Addition and effect and secure reasonably prompt payment, if possible, to Warren's subcontractors who have done work upon and/or furnished materials to this building of the balances due them therefor under their contracts with Warren, and to enable the University to take over and complete the work remaining to be done by Warren under its contract with the University as soon as possible. A proposal designed to accomplish these ends has been submitted to Warren, subject to this Board's approval, and Warren has notified the University, in writing, that it is acceptable to it.

The proposal contemplates:

- i. The assignment by Warren to the University of the contracts between Warren and all of the latter's subcontractors who have not been paid in full what is due them under those contracts, and the acceptance by the University of the assignments thereof, upon the following terms and conditions, viz.:
 - a. That each of said subcontractors will agree to accept payment direct from the University of the amount which that subcontractor and Warren agree is due the former for its work (when completed, in the case of those subcontractors who have not fully completed their work to date) in full payment of everything due said subcontractor from Warren and/or the University for all materials furnished and/or work done by the subcontractor for or upon the building, and will also, upon payment of said sum by the University to it, waive all other claims and all liens which the subcontractor may have or assert against Warren and/or the University in connection with this project and furnish Warren and the University with a full and complete release of all claims and a waiver of all liens.

- b. That each subcontractor who has not completed its work will agree to promptly resume it, and to complete it by April 16, 1954, for the payment of said sum by the University to it upon completion of its work.
 - c. That Warren will agree to the payment by the University of said sums directly from the University to said subcontractors and will allow the University full credit therefor upon Warren's contract with the University.
 - d. That an agreement be reached between Warren and each of its said subcontractors as to the amounts to be paid to the latter by the University, and for which Warren will allow the University such credit, in accordance with the foregoing.
2. That all work remaining to be done by Warren (i.e., that not covered by Warren's contracts with its subcontractors) under its said contract with the University be deleted, and Warren be relieved of all further obligation to complete that work, in return for a credit in the sum of \$6,000 to be allowed the University by Warren under the contract between them for the deletion of that work.

For the reasons stated in the above-mentioned memorandum, the Director of the Physical Plant, the Acting Comptroller, and the Legal Counsel recommend that said proposal be approved, that the assignment of said subcontracts by Warren to the University and the deletion of Warren's remaining work in return for said credit, upon the foregoing terms and conditions, be authorized, and that the Director of the Physical Plant, the Acting Comptroller, and the Secretary of the Board be authorized to execute and deliver all agreements, change orders, and other documents and make all payments, when approved by the Legal Counsel, necessary or appropriate to effect and carry out the same.

Accomplishing and carrying out the foregoing proposals will not dispose of the entire controversy between Warren and the University or those between the University and some of its other prime contractors upon this building. Warren asserts substantial claims against the University not included within the unpaid balance of the price specified in the contract between them. With a few possible minor exceptions, the University denies any liability to Warren on account of those claims and the University asserts claims against Warren, in excess of \$100,000, upon which Warren denies liability to the University. Negotiations and discussions are now in progress between Warren and the University relative to a tentative proposal made Warren, subject to approval of the Board of Trustees if accepted by Warren, to pay Warren the balance of the amount specified in the contract between Warren and the University remaining unpaid after the University has received credit for the amounts it will pay directly to Warren's subcontractors and the above-mentioned \$6,000 credit (if the above proposal is approved by the Board and proves acceptable to the subcontractors) and the full release of all possible claims of the University against Warren in return for a full release of all of the latter's possible claims against the University, but, since that proposal is still the subject of negotiation and discussion, it is not being presented to this Board for action thereon at this time.

I concur in these recommendations.

On motion of Mrs. Watkins, the proposal recommended was approved and authority was given as requested.

KREBIOZEN INVESTIGATING COMMISSION

The Legal Counsel reported the contents of a notice received by him from the Krebiozen Investigating Commission and consulted with the Trustees present with respect to the actions to be taken by him on behalf of the University in connection with the matters specified in the notice.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) fellows; (3) resignations, cancellations, 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.)

- ALBIN, ETHEL, Clinical Assistant in the School of Nursing, seven months beginning February 1, 1954, \$3360 a year (1-27-54).
- ALLEN, CHARLES M., Professor of Education in the Kyoto American Studies Center, Kyoto, Japan, February 1-August 31, 1954, \$825 a month, supersedes (1-12-54).
- ARMSTRONG, S. HOWARD, Professor of Medicine, on indefinite tenure beginning September 1, 1953, without salary, supersedes (1-22-54).
- BALAGOT, REUBEN C., Assistant Professor of Anesthesiology, in the College of Medicine, on 85/100 time, seven months beginning February 1, 1954, \$7250 a year, supersedes (1-27-54).
- BALES, MRS. RETTA E., Assistant Director of Clinics, in the Research and Educational Hospitals, one year beginning September 1, 1953, \$5400, supersedes (2-4-54).
- BANNISTER, TURPIN C., Professor of Architecture, on indefinite tenure, to render service during each academic year, at a salary at the rate of \$11,800 a year for the month of February and at the rate of \$10,500 a year beginning March 1, 1954, supersedes (1-15-54).
- BECK, PAUL M., Assistant in Ophthalmology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- BECKER, MILTON J., Research Assistant in Public Health, in the College of Medicine, seven months beginning February 1, 1954, \$4560 a year, supersedes (2-4-54).
- BENSON, JOHN S., Clinical Assistant in Medicine, in the College of Medicine, nine months beginning December 1, 1953, without salary (1-9-54).
- BROADBENT, EMER E., Assistant Professor of Agricultural Economics (S and E), seven months beginning February 1, 1954, \$6900 a year, supersedes (1-11-54).
- BYLA, JONAS, Assistant in Neurology and Neurological Surgery, in the College of Medicine, six months beginning January 1, 1954, without salary (1-28-54).
- CARVER, THOMAS R., Instructor and Research Associate in Physics (C), February 1-June 15, 1954, \$450 a month, supersedes (1-15-54).
- CHRYSSAFOPOULOS, NICHOLAS, Research Assistant in Civil Engineering, January 19-August 31, 1954, \$3750 a year (1-28-54).
- CLARK, JAMES G., Professor of Civil Engineering (C), on indefinite tenure, to render service during each academic year, on three-fourths time for the second semester of 1953-1954 beginning March 1, 1954, \$6750 a year, and on full time beginning September 1, 1954, \$9000 a year, supersedes (1-20-54).
- DANCE, FRANCIS, Instructor in Humanities, in the Chicago Undergraduate Division, on 80/100 time, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1450 (1-12-54).
- D'ANGELI, FERRUCCIO, Research Assistant in Chemistry, in the Graduate College, one year beginning December 1, 1953, \$4600 (1-12-54).
- DRIGGERS, BILL H., Research Assistant in Electrical Engineering (S), seven months beginning February 1, 1954, \$5000 a year (1-28-54).
- DUSTIN, MARCIA J., Instructor in Occupational Therapy, in the College of Medicine, eight months beginning January 1, 1954, \$4200 a year, supersedes (2-4-54).
- DUYSSENS, L. N. M., Research Associate in Botany, in the Graduate College, ten months beginning January 1, 1954, \$4500 a year (1-18-54).
- EBY, FRANK S., Research Associate in Physics (C), six months beginning January 1, 1954, \$4800 a year, supersedes (1-12-54).
- EVANS, ROBLEY D., Research Assistant in Physiology, in the Graduate College, January 1-August 15, 1954, \$4000 a year (1-18-54).
- FELDMAN, ARTHUR, Research Assistant in Civil Engineering (S), seven months beginning February 1, 1954, \$3800 a year, supersedes (1-27-54).
- FERCHO, CALVIN K., Assistant in Ophthalmology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- FOLK, EUGENE R., Clinical Instructor in Ophthalmology, in the College of Medicine, eight months beginning January 1, 1954, without salary (1-14-54).

- GARLAND, JOHN H., Professor of Geography, two months beginning June 16, 1954, \$1434 for the period; this is in addition to his present appointment (1-29-54).
- GOLD, BERNARD, Instructor in Social Sciences, in the Chicago Undergraduate Division, on one-half time, three months beginning January 1, 1954, \$225 a month (1-29-54).
- GOTTLIEB, ANATOL, Instructor in Physical Sciences, in the Chicago Undergraduate Division, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$2000 (2-4-54).
- HAKMAN, NATHAN, Research Assistant in the Institute of Communications Research, one month beginning February 1, 1954, \$322.22, supersedes (2-4-54).
- HAND, CLIFFORD J., Instructor in Humanities, in the Chicago Undergraduate Division, on one-half time, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1000 (1-14-54).
- HARRIS, RUTH K., Research Assistant in Civil Engineering (S), three months beginning January 1, 1954, \$300 a month, supersedes (2-3-54).
- HECKARD, LAWRENCE R., Research Assistant in Botany, in the Graduate College, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1350 for the period (1-14-54).
- HOLCOMB, DONALD F., Instructor and Research Associate in Physics (C), February 1-June 15, 1954, \$450 a month, supersedes (1-15-54).
- HOUGH, JACK L., Professor of Geology assigned to the Indian Institute of Technology, Kharagpur, India, two years beginning February 1, 1954 (on Y basis), \$11,600 a year, and on indefinite tenure beginning February 1, 1956, to render service during each academic year, \$7500 a year, supersedes (1-25-54).
- HUIDOBRO, IGNACIO, Assistant in Spanish, February 1-June 15, 1954, \$313.89 a month (2-4-54).
- INGLETT, GEORGE E., Research Associate in Chemistry, in the Graduate College, eight months beginning January 1, 1954, \$5100 a year, supersedes (2-1-54).
- JOHNSON, GRANT C., Assistant Professor of Pathology, in the College of Medicine, and Assistant Pathologist in the Research and Educational Hospitals, January 1, 1954-August 31, 1955, \$8400 a year, supersedes (1-14-54).
- JORDAN, GARRET L., Professor of Agricultural Economics (C and S), on indefinite tenure, to render service during each academic year, and Acting Head of the Department of Agricultural Economics, six months beginning January 1, 1954, \$8500 a year, supersedes (1-14-54).
- KIRTLBY, MALCOLM B., Instructor in Agricultural Economics (C and S), on three-fourths time, seven months beginning February 1, 1954, \$3750 a year, supersedes (1-25-54).
- KNOWLES, VERNON R., Assistant in Ophthalmology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- KRAKOWER, CECIL A., Professor of Pathology, in the College of Medicine, and Associate Pathologist in the Research and Educational Hospitals, on 95/100 time, on indefinite tenure beginning January 1, 1954, \$12,160 a year, supersedes (1-14-54).
- KUKRAL, JAN, Clinical Instructor in Anesthesiology, in the College of Medicine, seven months beginning February 1, 1954, without salary (1-28-54).
- LASSITER, LAWRENCE H., Assistant in Ophthalmology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- LEIGHT, HAROLD C., Assistant in Ophthalmology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- LIPKE, HERBERT, Research Associate in Entomology, in the Graduate College, six months beginning January 1, 1954, \$4500 a year, supersedes (2-4-54).
- LORD, WILLIAM J., JR., Instructor in Business English, for the academic year beginning September 1, 1954, \$3800 (2-4-54).
- LOW, NIELS L., Research Associate in Neurology-Neurological Surgery-Epilepsy, in the College of Medicine, eight months beginning January 1, 1954, \$5000 a year (1-20-54).
- MARDFIN, DOROTHY F., Research Assistant in Histology, in the College of Dentistry, eight months beginning January 1, 1954, \$3600 a year (1-18-54).
- MCCLEARY, LLOYD E., Instructor in Education and Acting Principal of the University High School, six months beginning March 1, 1954, to render service during the academic year, \$5100 a year, supersedes (2-2-54).

- MCCLEARY, LLOYD E., Instructor in Education and Acting Principal of the University High School, on three-fourths time, June 21-August 14, 1954, \$425 a month; this is in addition to his present appointment (2-2-54).
- MCGREW, ELIZABETH A., Assistant Professor of Pathology, in the College of Medicine, and Assistant Pathologist in the Research and Educational Hospitals, on 95/100 time, January 1, 1954-August 31, 1955, \$7600 a year, supersedes (1-14-54).
- MORALES, JUAN, Assistant in Anesthesiology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-27-54).
- MUNSON, KARL F., Assistant in Rural Recreation (E), seven months beginning February 1, 1954, \$4000 a year (2-4-54).
- MURTHY, GOPALA K., Assistant in Food Technology (S), seven months beginning February 1, 1954, \$3750 a year, supersedes (1-15-54).
- MYRAN, CHARLES, Clinical Instructor in Psychiatry, in the College of Medicine, eight months beginning January 1, 1954, without salary (1-18-54).
- NICKLAS, DOUGLASS R., Research Associate in Psychology, in the Graduate College, on full time for two months beginning January 1, 1954, \$500 a month, and on one-half time for six months beginning March 1, 1954, \$250 a month (1-15-54).
- NIXON, KENNETH, Assistant in English, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1415 for the period, supersedes (1-29-54).
- NOLTE, WILLIAM H., Assistant in English, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1350 for the period (1-29-54).
- NUNNALLY, JUM CLARENCE, JR., Research Associate in the Institute of Communications Research, January 16-August 31, 1954, \$6000 a year (1-28-54).
- OLEARI, VALDO P., Assistant in Ophthalmology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- PILGERAM, LAURENCE O., Instructor in Physiology, in the College of Medicine, June 15-August 31, 1954, \$480 a month (1-20-54).
- PIRANI, CONRAD L., Associate Professor of Pathology, in the College of Medicine, and Associate Pathologist in the Research and Educational Hospitals, on indefinite tenure beginning January 1, 1954, \$10,640 a year, supersedes (1-14-54).
- PREBLE, HARRY E., Assistant in English, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1350 for the period (1-29-54).
- ROWEN, MARSHALL, Research Assistant in Medicine, in the College of Medicine, on one-half time, three months beginning January 1, 1954, \$166.67 a month (1-14-54).
- SAMPSON, ALAN B., Instructor in Obstetrics and Gynecology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- SCHLESINGER, ROBERT B., Clinical Assistant in Medicine, in the College of Medicine, nine months beginning December 1, 1953, without salary (1-14-54).
- SCHMITZ, CHARLOTTE M., Instructor in Mathematics, in the Chicago Undergraduate Division, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1900 (1-12-54).
- SCOTT, WALTER O'DANIEL, Assistant Professor of Crop Extension (Agronomy) (E), January 1, 1954-August 31, 1955, \$7000 a year, supersedes (1-11-54).
- SENGER, FRANK B., Instructor in Journalism, in the School of Journalism and Communications, on one-fourth time, five months beginning February 1, 1954, \$625 for the period (1-28-54).
- SMITH, ELIZABETH B., Assistant in Home Economics (S), seven months beginning February 1, 1954, \$4000 a year, supersedes (2-4-54).
- STEWART, BABETTE, Research Associate in Psychiatry, in the College of Medicine, eight months beginning January 1, 1954, without salary (2-4-54).
- STRNAD, GEORGE J., Assistant in Physical Education for Men, in the Chicago Undergraduate Division, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$1600 for the period (2-5-54).
- TAGLIACOZZO, RENATA, Research Assistant in Psychiatry, in the College of Medicine, January 5-August 31, 1954, \$4200 a year (1-14-54).
- TENNEY, ALONZO C., Assistant in Ophthalmology, in the College of Medicine, six months beginning January 1, 1954, without salary (1-14-54).
- TOMIZUKA, CARL T., Research Associate in Physics (C), seven months beginning February 1, 1954, \$4,800 a year, supersedes (1-28-54).

GRADUATE FELLOWS

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

- CRESPI, HENRY L., G. D. Searle and Company Fellow in the Department of Chemistry and Chemical Engineering, one year beginning February 1, 1954, \$150 a month (2-4-54).
DAVIES, IVOR, Fellow in Geography, nine months beginning September 16, 1953, \$1000, supersedes (1-25-54).
HERSMAN, MARION F., Colgate-Palmolive-Peet Fellow in the Department of Chemistry and Chemical Engineering, February 1-June 15, 1954, \$700 for the period (2-5-54).
LAUCHNER, JULIAN H., Ferro Corporation Fellow in Ceramic Engineering, February 1-June 15, 1954 and September 16, 1954-January 31, 1955, \$2250 for the entire period (2-4-54).
MYERS, JAMES D., National Fund Research Fellow in Bacteriology, in the College of Medicine, three months beginning January 1, 1954, \$500 (1-14-54).
MYRNA, THEODORE D., National Fund Research Fellow in Bacteriology, in the College of Medicine, three months beginning January 1, 1954, \$500 (1-14-54).
SWANSON, ROY A., Fellow in the Classics, for the second semester of the academic year 1953-1954 beginning February 1, 1954, \$550, supersedes (2-1-54).

RESIGNATIONS, CANCELLATIONS, AND DECLINATIONS

- BAER, MRS. RUTH F., Clinical Instructor in Pediatric Nursing, in the School of Nursing — resignation effective 4-1-54.
BAIN, JAMES A., Associate Professor of Pharmacology, in the College of Medicine — resignation effective 9-1-54.
CANTU, FRANCISCO, Assistant in Anesthesiology (Rush) — cancellation effective 7-1-53.
CLAYTON, JOE T., Instructor in Agricultural Engineering (E) — resignation effective 2-22-54.
DOUGHERTY, DORA J., Research Assistant in Psychology, in the Graduate College — resignation effective 2-1-54.
ESSELSTYN, THOMAS C., Assistant Professor of Sociology — resignation effective 3-1-54.
FINGER, DONNA D., Instructor in Library Science and Library School Librarian — resignation effective 2-15-54.
FORDON, LEONA R., Clinical Instructor in Ophthalmology, in the College of Medicine — resignation effective 3-1-54.
HAND, CLIFFORD J., Instructor in Humanities, in the Chicago Undergraduate Division — declination effective 2-1-54.
HARDING, ORA M. W., Fellow in Speech — resignation effective 2-1-54.
HILDEBRANDT, VAUGHN D., Assistant Professor of Metallurgical Engineering (C) — resignation effective 3-1-54.
HUDSON, ROBERT B., Associate Professor of Journalism and Communications and Director of University Broadcasting — resignation effective 2-1-54.
KAHLE, KEITH A., Fellow in Agricultural Economics — resignation effective 2-1-54.
LATENSER, JOHN F., Instructor in Surgery (Rush) — cancellation effective 9-1-53.
LIPPOLD, ROLAND W., Instructor in Anatomy, in the College of Medicine — resignation effective 1-1-54.
MATHIESON, FREDERICK J., Fellow in English — resignation effective 2-1-54.
MILLER, MRS. GLORIA VAN HOOSON, Assistant in Economics — resignation effective 2-1-54.
MORRIS, DONALD P., Professor of Psychiatry and Mental Health, and Psychiatrist in the Health Service — resignation effective 6-1-54.
MULLANEY, JAMES T., Lecturer in Legal Medicine, with rank of Assistant Professor, in the Department of Pathology, in the College of Medicine — resignation effective 1-1-54.
RAINEY, ROBERT, Instructor in Surgery (Rush), in the College of Medicine — cancellation effective 7-1-53.
RONDY, JOSEPH J., Assistant in English — resignation effective 2-1-54.
SELLER, ROSALYN, Zeta Phi Eta Fellow in Speech — resignation effective 2-1-54.

- SHIRLEY, MRS. ELIZABETH E., Assistant in Home Economics (C) — resignation effective 2-1-54.
 STOCK, MRS. RITA E., Registered Pharmacist in Hospital Pharmacy, in the College of Pharmacy — resignation effective 4-1-54.
 TIGHE, JOHN P., Instructor in Physical Education for Men, in the Chicago Undergraduate Division — resignation effective 3-1-54.
 VAUGHAN, DAVID J., Flight Instructor in the Institute of Aviation — resignation effective 2-4-54.
 WILSON, ROBIN S., Assistant in English — resignation effective 2-1-54.
 ZIMRING, ALLAN J., Assistant Professor of Anatomy, in the College of Medicine — resignation effective 2-1-54.

LEAVES OF ABSENCE

- ALLEN, CHARLES M., Professor of Education and Principal of the University High School — leave of absence without pay beginning February 15 and continuing through August 31, 1954, so that he may accept a position as a visiting professor at the University of Kyoto in Japan.
 CARLSTON, KENNETH S., Professor of Law — leave of absence without pay, beginning March 1 and continuing through August 31, 1954, so that he may serve as international law consultant on the settlement of the Anglo-Iranian oil dispute.
 SCHRAMM, WILBUR, Research Professor of Journalism and Communications and Dean of the Division of Communications — leave of absence on one-fourth time beginning February 15 and continuing through March 31, and on three-fourths time from April 1 through August 31, 1954, without salary.
 SEHL, N. KATHERINE, Assistant Professor of Nursing, in the School of Nursing — leave of absence without pay beginning February 1 and continuing through April 30, 1954.
 STEINER, GILBERT, Research Assistant Professor in the Institute of Government and Public Affairs — leave of absence on one-half time without pay, beginning February 1 and continuing through June 30, 1954, for part-time service to the Chicago Commission on Home Rule and Charter Revision.
 TURQUETTE, ATWELL R., Associate Professor of Philosophy — leave of absence without pay, for the second semester of 1953-1954.

DEGREES CONFERRED

The Secretary presented for record the following list of degrees conferred at Urbana on February 14, 1954, and at the Chicago Professional Colleges on December 19, 1953.

Summary

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	56
Doctor of Education.....	6
Master of Arts.....	28
Master of Science.....	119
Master of Music.....	4
Master of Education.....	42
Advanced Certificate.....	1
<i>Total, Graduate College.....</i>	<i>(256)</i>

Degrees in Law, conferred at Urbana:

Bachelor of Science.....	1
Bachelor of Laws.....	15
Doctor of Law.....	1
<i>Total, Law.....</i>	<i>(17)</i>

Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	38
Bachelor of Science, College of Engineering.....	115
Bachelor of Arts, College of Liberal Arts and Sciences.....	85
Bachelor of Science, College of Liberal Arts and Sciences.....	68
Bachelor of Science, College of Education.....	34

Bachelor of Science, College of Commerce and Business Administration...	115
Bachelor of Science, School of Journalism and Communications.....	30
Bachelor of Architecture, College of Fine and Applied Arts.....	7
Bachelor of Science, College of Fine and Applied Arts.....	30
Bachelor of Fine Arts, College of Fine and Applied Arts.....	20
Bachelor of Music, College of Fine and Applied Arts.....	1
Bachelor of Science, School of Physical Education.....	24
Bachelor of Science, Division of Special Services for War Veterans.....	15
<i>Total, Baccalaureate Degrees.....</i>	<i>(582)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>(855)</i>
Degrees in Pharmacy, conferred at Chicago:	
Bachelor of Science.....	2
<i>Total, Degrees Conferred at Chicago.....</i>	<i>(2)</i>
<i>Total, Urbana and Chicago.....</i>	<i>857</i>

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Agricultural Economics

RAYMOND CLARIS SMITH, B.S., University of Missouri, 1949; M.S., 1950

In Agronomy

RICARDO TANINGCO MARFORI, B.Agr., B.S.A., University of the Philippines, 1930, 1933; M.S., 1942

In Animal Nutrition

VENKATA CHALAM METTA, A.B., Nizam College, 1944; B.S., Madras Agricultural College, 1947; M.S., 1951

In Animal Science

RICHARD FERMAN WHEELER, B.S., B.S., Clemson Agricultural College, 1941, 1947; M.S., Mississippi State College, 1949

In Bacteriology

RICHARD AARON GREENBERG, A.B., M.S., 1948, 1950

GEORGE STREISINGER, B.S., Cornell University, 1950

In Ceramic Engineering

CHI FANG TUNG, B.S., National Tang-Shan Engineering College, 1947; M.S., 1951

In Chemical Engineering

DONALD ANTHONY PLAUTZ, B.S., University of Wisconsin, 1949; M.S., Ohio State University, 1950

WILLIAM MORGAN RUTHERFORD, B.S., M.S., 1951, 1952

RONALD LUTHER SAXTON, B.S., Pennsylvania State College, 1950; M.S., 1952

JAMES BOK WONG, B.S., B.S., University of Maryland, 1949, 1950; M.S., 1951

In Chemistry

PAUL EMMANUEL BIERSTEDT, JR., B.S., Ohio State University, 1950

STEPHEN JOHN BODNAR, A.B., Lafayette College, 1950

JAMES EDWARD GINDLER, B.S., Eastern Illinois State College, 1950; M.S., 1951

PAUL GENE GORDON, B.S., University of Denver, 1950; M.S., 1951

RICHARD FRANK HEITMILLER, A.B., M.S., University of Delaware, 1949, 1950

ARTHUR ALLAN SMUCKER, A.B., Goshen College, 1949; M.S., 1951

EDWIN CHARLES STEINER, A.B., Hanover College, 1950; M.S., 1951

JOHN WILLIAM WAY, B.S., M.S., Lehigh University, 1950, 1951

DONALD HARRY WILKINS, B.S., Hamline University, 1948; M.S., 1952

In Civil Engineering

HENRY EDWARD STEPHENS, B.S., United States Naval Academy, 1944; B.C.E., M.C.E., Rensselaer Polytechnic Institute, 1947, 1948

In Classical Philology

FRANK GORDON STOCKIN, JR., A.B., Houghton College, 1937; A.M., University of Cincinnati, 1938

In Economics

KARL FREDERICK TRECKEL, A.B., A.M., Syracuse University, 1939, 1940
PAUL DAVID ZOOK, A.B., Goshen College, 1934; A.M., 1940

In Education

IRENE ELLEN FELTMAN, A.B., Earlham College, 1928; A.M., Columbia University, 1936

In Electrical Engineering

HARRINGTON COOPER BREARLEY, JR., B.E.E., Georgia Institute of Technology, 1946; M.S., 1950
ROBERT SWERN WISEMAN, B.S., M.S., 1948, 1950

In English

JAMES RICHARD BASH, A.B., A.M., Indiana State Teachers College, 1937, 1940
JOHN EDWARD BELLAMY, A.B., Indiana State Teachers College, 1948; A.M., 1951

In Entomology

HERBERT LIPKE, B.S., M.F.S., Cornell University, 1947, 1948
ABDEL SALAM MAHMOUD SHALABY, B.S., Fouad First University, 1949; M.S., 1951

In Food Technology

KWOH HSIEN HU, B.S., Nanking University, 1939; M.S., Oregon State College, 1949
HUO-PING PAN, B.Sc., National Southwest Associated University, 1946

In French

THOMAS EDWIN COMFORT, A.B., Northwestern University, 1943; A.M., 1951

In Geography

WALTER HASTINGS McDONALD, B.S., M.S., Southern Illinois University, 1946, 1949
DONALD LEO NETZER, Ph.B., University of Wisconsin, 1942; A.M., 1946

In Geology

JAMES FREDERICK MCDIVITT, B.Sc., University of Western Ontario, 1949; M.S., 1951

In Metallurgical Engineering

CHOH-YI ANG, E.M., Met.E., M.E.M., Colorado School of Mines, 1943, 1947, 1947
MICHAEL VOGT NEVITT, B.S., 1944; M.S., Virginia Polytechnic Institute, 1951

In Philosophy

HENRY SILTON HARRIS, A.B., University of Oxford, 1949

In Physics

GEORGE ROLAND BRIGGS, A.B., Cornell University, 1947; A.M., 1950
FRANK SHILLING EBY, B.S., M.S., 1949, 1950
DONALD FRANK HOLCOMB, A.B., DePauw University, 1949; M.S., 1950
CARL TATSUO TOMIZUKA, B.S., Tokyo University, 1945; M.S., 1951

In Physiology

MANFRED BRUST, A.B., M.S., New York University, 1944, 1946

In Plant Pathology

LOUIS BERAHA, B.S., Cornell University, 1949; M.S., 1951
ELROY ARVEL CURL, B.S., Louisiana Polytechnic Institute, 1949; M.S., University of Arkansas, 1950
JUNIOUS LEONARD FORSBERG, B.S., Colorado State College of Agriculture and Mechanical Arts, 1930; M.S., Michigan State College, 1932

In Political Science

NATHAN HAKMAN, A.B., Ohio University, 1943; A.M., Syracuse University, 1947

In Psychology

VINCENT GLAUDIN, JR., B.S., M.S., 1949, 1951

LEWIS JOSEPH SHERMAN, B.S., College of the City of New York, 1950; M.S., 1952

In Sanitary Engineering

EDWARD ROBERT BAUMANN, B.S., University of Michigan, 1944; B.S., M.S., 1945, 1947

In Sociology

BYRON EDWIN MUNSON, B.S., A.M., 1949, 1950

In Speech

WAYNE ELMER BROCKRIEDE, B.S., M.S., Indiana State Teachers College, 1947, 1947

GLENN EUGENE REDDICK, A.B., Colorado State College of Education, 1948; A.M., University of Florida, 1949

In Zoology

IRVING BENJAMIN SACHS, B.S., M.S., 1947, 1948

Degree of Doctor of Education

MARJORIE MODELLE BROWN, B.S., Southwest Texas State Teachers College, 1936;

Ed.M., Colorado State College of Agriculture and Mechanical Arts, 1944

RUDOLPH JOSEPH CAPOBIANCO, A.B., A.M., University of Denver, 1949, 1950

JAMES WAYNE DAVIDSON, B.S., B.Mus., M.Mus., 1947

WILLIAM HOWARD MARTIN, B.S., University of Vermont, 1931; M.S., Cornell University, 1937

DONALD MATTISON PRINCE, B.S., Murray State Teachers College, 1948; M.S., 1950

LESTER RAYMOND VAN DEVENTER, B.Ed., Eastern Illinois State College, 1938; M.S., 1941

Degree of Master of Arts*In Economics*

RICHARD GEORGE KRUGER, A.B., Denison University, 1950

ABDUL MALIK ABDUL WAHAB, B.S., Utah State Agricultural College, 1951

In Education

PHILIP ELNO ANDERSON, B.S.A., Purdue University, 1927

In English

JOAN CHRISTINE GANCZEWSKI, A.B., 1952

FREDERICK JOSEPH MATHIESON, A.B., 1953

In Geography

FRANCES VIRGINIA MCCOLLOM GASPAROTTI, A.B., 1941

In German

WILLIAM MANFRED GARTMAN, A.B., 1952

In History

JOHN JOSEPH BEER, A.B., Earlham College, 1950; M.S., 1952

In Labor and Industrial Relations

HARVEY ISAAC HELLMAN, A.B., Brooklyn College, 1952

JAMES BRUCE NEIGHBOR, A.B., 1952

In Mathematics

ROSEMARIE MARGARETE SCHEERER, A.B., Bucknell University, 1952

WENDELL DALE WILLIAMS, B.S., Eastern Illinois State College, 1947; M.S., 1948

In Political Science

MARY STELYN BAUWIN, A.B., West Virginia University, 1949
 WILLIAM ROBERT THOMPSON, A.B., 1950

In Psychology

EDGAR MARION HAVERLAND, A.B., 1949
 MARVIN MORRIS OKANES, A.B., University of Buffalo, 1951

In Social Sciences

MARTIN JOHN HERZOG, A.B., 1952
 MARVIN PERSKY, B.S., 1951

In Sociology

ARMOND FIELDS, B.S., University of Wisconsin, 1953

In Spanish

STEPHEN BULL ADAMS, A.B., Dartmouth College, 1938
 FRANCOISE SALGAT JAN, A.B., 1952
 RODOLFO EDWIN VILARO, A.B., Polytechnic Institute of Puerto Rico, 1949; A.M.,
 University of Michigan, 1951

In Speech

HOWARD JAY COHN, B.S., De Paul University, 1952
 ORA WELCHER HARDING, A.B., 1953

In Statistics

ERNEST WILLIAM CARPEROS, B.S., James Millikin University, 1952
 FRANK SHIGEHIDE NISHIME, B.S., 1953

In the Teaching of English

JULIA MAE PARHAM BROWN, A.B., Knoxville College, 1943

In the Teaching of Social Studies

EUGENIA PACWA JAEGER, A.B., 1952

Degree of Master of Science*In Aeronautical Engineering*

FRED CHARLES HALL, B.S., 1952

In Agricultural Economics

ROBERT FREDERICK HACKER, A.B., B.S., 1949, 1952
 LOREN ALBERT IHEN, B.S., 1953
 KEITH ALLEN KAHLE, B.S., 1953
 GURU DIN SINGH, B.Sc., Allahabad Agricultural Institute, 1945

In Agricultural Education

DONALD ELON JOHNSON, B.S., 1952
 HAROLD JOSEPH KONRAD, B.S., 1948

In Agronomy

YUSRA MOHAMMAD ALI BEYHUM, B.S., University of Beirut, 1952
 ABRAHAM AGBOLADE ADEBOYEJO FAYEMI, B.S., Langston University, 1952
 ROBERT HENRY MITCHELL, B.S., 1947
 PAUL GARLAND MOE, B.S., 1953

In Animal Nutrition

ALICE RUSSELL BEAVER, A.B., Vassar College, 1952
 SAMUEL GEORGE KAHN, B.S., Illinois Wesleyan University, 1951; M.S., 1953
 WILLIAM DOUGLAS MORRISON, B.S., Ontario Agricultural College, 1949
 RODNEY PORTER WILCOX, B.S., University of Georgia, 1948

In Animal Science

MERRILL WILLIAM GEORGE OTTWEIN, B.S., 1951

In Architecture

TSO-CHIH PENG, B.S., Sun Yat Sen University, 1942

HAROLD CAMPBELL YOUNG, A.B., 1951

In Bacteriology

IRA JAMES MEHLMAN, B.S., 1952

In Ceramic Engineering

HERBERT ROBERT TOLER, JR., B.S., 1950

REY CHING TUNG, B.S., 1953

In Chemical Engineering

JOSEPH EDWARD NOWREY, B.S., Pennsylvania State College, 1950

WALTER RAYMOND PAVELCHEK, B.S., Purdue University, 1945

In City Planning

DEAN ALLEN DAVIS, B.S., 1950

In Civil Engineering

FERD EMANUEL ANDERSON, JR., B.S., United States Military Academy, 1946

JOSE LUIS CAPACETE, B.S., University of Dayton, 1943

ABUL KHAIR MOHAMMAD SHAMSUDDOHA CHOUDHURY, B.S., University of Dacca, 1951

JOHN MICHAEL FARLEY, B.C.E., Syracuse University, 1952

JAMES FRANKLIN FRASER, B.S., United States Military Academy, 1947

GORDON MILES GRAY, B.S., United States Military Academy, 1950

ROBERT EUGENE GRUBAUGH, B.S., Case Institute of Technology, 1949

KHALID SHAKIR MAHMOUD, B.S., 1953

WALTER FRANK MARCINIEC, B.S., United States Military Academy, 1948

JOHN MILTON PULSIFER, B.S., University of New Hampshire, 1952

JORGE LUIS QUIROS, B.S., 1952

CLARON ATHERTON ROBERTSON, JR., B.S., United States Military Academy, 1948

ISMET SEDAT SEYMEN, B.S., Robert College, 1952

GEORGE ROBINSON WENTZ, B.C.E., University of Virginia, 1949

In Clinical Psychology

KARL JOSEPH KADLUB, JR., B.S., 1951

In Commercial Teaching

LEROY AVRAM, B.S., 1952

In Dairy Science

CLARENCE BRETON BARRON, B.S., Southern University, 1946

WILL CARLETON KINNEY, JR., B.S., Ohio State University, 1951

In Dairy Technology

JAMES HUNTER BENDER, B.S., 1952

In Education

ELIZABETH PEARL GUNN, B.Ed., Eastern Illinois State College, 1948

ANNA MARIE HARN, B.S., Southern Illinois University, 1948

LEWIS OSCAR KERWOOD, B.Ed., Illinois State Normal University, 1939

THOMAS HARRIS MAYFIELD, B.S., Bluefield State College, 1947

HAROLD EDWARD SMITH, B.Ed., Illinois State Normal University, 1938

In the Education of Mentally Handicapped Children

GERALD SCOTT HASTEROK, B.S., 1952

THELMA LUCILE PITZER, B.S., Illinois State Normal University, 1948

In Electrical Engineering

ROBERT JACK DEYO, B.S., 1953
ELBERT JOHN HAGIN, B.S., University of Colorado, 1949
THOMAS CHASE HUNDLEY, B.S., University of Arkansas, 1949
SHELBY EUGENE HUNTER, B.S., 1953
BILLY MONROE JACKSON, B.S., University of Texas, 1952
WILLIAM DODDS KESSLER, B.S., Missouri School of Mines, 1950
JOHN BELSHAW KREER, B.S., Iowa State College, 1951
CARLOS RALPH OSBORN, B.S., 1951
JAMES BLAYNEY RICE, B.S., United States Military Academy, 1949

In Entomology

ROBERT LEE GERHART, B.S., 1951
WILLIAM BROWN HAWKINS, A.B., Florence State Teachers College, 1949

In Food Technology

WILLIAM JAY HOOVER, B.S., 1950

In Geology

CHARLES FRED MAJOR, JR., B.S., 1952

In Home Economics

MARY ELIZABETH MURPHY, B.S., St. Mary's of the Spring College, 1944
DORIS McLANE SKARHA, B.S., 1948
CORINNE CAMPBELL SNOUFFER, A.B., Coe College, 1935

In Home Economics Education

LESAB JOUETT ALLIONE, B.Ed., Illinois State Normal University, 1927
ELLA BELLE EBLIN, B.S., Southern Illinois University, 1950
JANE BOSSI JOKELA, B.S., Northwestern University, 1947
VIRGINIA COULTAS SHARP, B.S., 1940

In Journalism

EDWARD THOMAS KOSKA, JR., A.B., 1953
ROBERT LEE PHILLIPS, A.B., Miami University, 1952

In Library Science

CATHERINE PARKS EYLER, A.B., Houghton College, 1939
FRANCES LAVARA HUNNELL, A.B., Valparaiso University, 1952
RUTHANN GREER JANNEY, A.B., 1953
JOAN KATHERINE PANTKE, B.S., 1952
DEMETRIUS SOTIROPOULOS, Certificate, University of Athens, 1952
VIRGINIA VICTORIA VEGA, A.B., State University of Iowa, 1949

In Marketing

EDWARD K. SHUKUR, B.B.A., University of Wisconsin, 1952

In Mathematics

THOMAS NATHANIEL HIBBARD, B.S., Pacific University, 1951

In Mechanical Engineering

WILLIAM EUGENE DIRKES, B.S., United States Military Academy, 1949
EVERETT LLOYD SARTAIN, B.S., Purdue University, 1951

In Metallurgical Engineering

DONALD ANDREW WRUCK, B.S., University of Wisconsin, 1952

In Music Education

BETTY MCHENRY GRAY, B.S., Southern Illinois University, 1950
ABRAHAM KISHTER, B.S., University of Maryland, 1953
DONALD WILLIAM SIMMONS, B.Mus.Ed., Knox College, 1950

In Physics

LEWIS BROTMAN, A.B., Temple University, 1952
RICHARD ELMO COOVERT, A.B., Reed College, 1952
RICHARD BERTRAM CURTIS, A.B., Harvard College, 1952
JOHN DAVID FOX, B.S., Massachusetts Institute of Technology, 1951
GARTH WILLIAM GOBEL, A.B., Rice Institute, 1952
LOUIS CHARLES HEBEL, JR., A.B., DePauw University, 1952
GEORGE HERBERT KINSEY, JR., B.S., Lehigh University, 1952
PETER KOTSCH KLOEPPPEL, B.S., University of North Carolina, 1952
ROBERT ALLAN LAFF, B.S., California Institute of Technology, 1952
MICHAEL FRANCIS MILLEA, B.S., 1952
SAMUEL PENNER, A.B., University of Buffalo, 1952
FRED BERNARD SMITH, JR., A.B., Kalamazoo College, 1952
JOHN JUDE SPOKAS, B.S., St. Procopius College, 1952
FREDERICK LUDWIG VOOK, A.B., B.S., University of Chicago, 1951, 1952
RICHARD CHARLES WIKQUIST, B.S., 1952
MALCOLM CECIL YOUNGER, B.S., Massachusetts Institute of Technology, 1952

In Physiology

BARBARA JANE HOWELL, B.S., Kent State University, 1950
EDWARD SHNARE MAGNUS, B.S., 1952

In Plant Pathology

PETER JUNJI SASAKI, B.S., Michigan State College, 1951

In Speech Correction

RAYMOND EUGENE WAHLTON, B.S., 1951

In the Teaching of the Biological Sciences and General Science

WILLIAM JOSEPH DEMBSKI, JR., B.S., Ed.M., 1950, 1951
CHALMER NEWTON HART, JR., A.B., Lake Forest College, 1951
JAMES ROWE HEGNER, B.S., 1953
THOMAS HENRY PINSON, B.S., Tennessee Agricultural and Industrial State Teachers College, 1946
ARLENE BRIETZKE STUCKMANN, B.S., 1953
NORBERT WEISMAN, B.S., Northwestern University, 1952
GEORGE GENE ZABKA, A.B., DePauw University, 1951

In the Teaching of Mathematics

LUELLA SEYER DICKHAUT, B.S., Southern Illinois University, 1951

In Veterinary Pathology and Hygiene

LAWRENCE ROY BAIN, D.V.M., Kansas State College of Agriculture and Applied Science, 1941

In Zoology

STEPHEN RALPH GEIGER, A.B., New York University, 1952
EDWARD WILLIAM MILLHOUSE, JR., B.S., 1949
JOHN LUDWIG SARKISSIAN, B.S., 1947
LESLIE GERARD SWARTZ, B.S., 1953

Degree of Master of Music

MARY JEANNE HOGGARD, B.Mus., Oklahoma City University, 1952
BETTY ANN MOSIER, B.Mus., Kansas City Conservatory of Music, 1945
SUZANNE SCHMIDT SCUTT, B.Mus., Cincinnati Conservatory of Music, 1951
PHYLLIS LIGHTFIELD TRIOLO, B.Mus., Michigan State College, 1944

Degree of Master of Education

GOPAL CHANDRA SARMA BOROOA, A.B., Cotton College, 1936; A.M., University of Dacca, 1939
WAYNE BIRKENMAYER CHALLACOMBE, B.Ed., Eastern Illinois State College, 1941
WILLIE MARIE CHAMBERS, A.B., Stowe Teachers College, 1950

- WILLIAM EDWARD COOPER, B.S., Eastern Illinois State College, 1949
 WILLIAM EASTER CRAWFORD, B.S., University of Tennessee, 1948
 HELEN ROBERTA DAILEY, A.B., Stowe Teachers College, 1945
 LOUISE PHILOMENE DEXHEIMER, A.B., Shurtleff College, 1947
 RALPH LEON ELLIOTT, B.S., Eastern Illinois State College, 1950
 MYRTLE ALICE FRUEH, B.Ed., Southern Illinois University, 1940
 JESSIE VIRGINIA GARRETT, B.Ed., Southern Illinois University, 1945
 JOHN KENDALL GINGRICH, B.S., Pennsylvania State College, 1951
 RUDOLPH VALENTINO GREEN, A.B., Agricultural, Mechanical, and Normal College
 (Pine Bluff, Arkansas), 1951
 ALEXANDER HACHIGIAN, B.S., 1953
 VIOLET BOONE HANCOCK, A.B., Stowe Teachers College, 1951
 JOSEPH LUD HANSON, B.S., Southern Illinois University, 1950
 MAGDALENE REEVES HINDS, A.B., Stowe Teachers College, 1944
 EUGENE ROSS HOWARD, B.S., 1947
 FRANCES JARRETT KERWOOD, B.Ed., Illinois State Normal University, 1940
 HAROLD VERNON KINKLEY, B.S., Miami University, 1939
 KENNETH WARREN KNELL, B.S., 1948
 CHARLES KRIVACEK, B.S., Northern Illinois State Teachers College, 1950
 ANCIL TILFORD LAFEVERS, B.S., 1948
 RICHARD HANSON MCFADDEN, A.B., 1950
 ROBERT VERN MILLER, A.B., University of Kansas, 1952
 LOREN ELMER MILLS, B.Ed., Illinois State Normal University, 1939; B.S., 1941
 VIRGINIA ANN MOLONEY, B.S., Northern Illinois State Teachers College, 1950
 CLAIRE JOAN MOORE, B.S., 1952
 STANLEY PAUL NELSON, B.Ed., Northern Illinois State Teachers College, 1940
 OPAL BRANOM ONEAL, B.S., 1951
 RACHEL BRETT POMATTO, B.S., Illinois State Normal University, 1951
 PRUDENCE SCEARCE POTTER, B.S., Ohio University, 1948
 HANS DIETER REUSCH, A.B., University of Rio Grande de Sol, 1950
 JAMES FREDERICK RUE, B.S., Eastern Illinois State College, 1950
 ROSA VIOLET SCHAUB, B.S., Eastern Illinois State College, 1948
 ESTHER POPPENS SODERBERG, B.M.E., Northwestern University, 1944
 JANICE LOUISE TARRENT, A.B., Stowe Teachers College, 1951
 MILLIE PERSON VAUGHN, B.S., Southern Illinois University, 1948
 TRINIDAD VIERNES VILORIA, B.S.E., A.M., Far Eastern University, 1948, 1950
 JEANNETTA WALKER, A.B., Stowe Teachers College, 1951
 CHARLES HARRY WHEELER, B.S., 1953
 MILTON VERDELL WISLAND, B.S., State Teachers College (LaCrosse, Wisconsin),
 1951
 LLOYD GILBERT ZIMMER, B.Ed., Wisconsin State Teachers College (Oshkosh), 1932

Advanced Certificate in Education

- CLARENCE AVIS HUBBARD, B.Ed., Western Illinois State College, 1937; M.S., 1941

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

- | | |
|--|--|
| THOMAS JACKSON ACTON | PHILIP EUGENE LUSTER |
| ROBERT LEE ALEXANDER | ROBERT KEPLINGER MCCracken |
| CLIFFORD ELMORE BEATTY | ROBERT JOSEPH MILLER |
| SHELBY HAROLD BROWNFIELD | MELVIN ARTHUR PALM |
| RONALD DUANE CLAYTON | CLETUS EARL SCHERTZ, with Honors |
| RICHARD ALLEN EWBANK | RAMON EARL SCHIFLER |
| CLYDE FIFE, JR. | WILLIAM EDWARD SPARKS |
| WILLIAM GAITHER, JR. | ARTHUR LEE SPENCER |
| ELDON HOYT GREENWOOD, with High Honors | DONALD GEORGE UBL |
| THOMAS HENRY HAINING | JACK HEADLEY UPCHURCH |
| JOHN ALLEN HAYWARD | VANCE JUNIOR VANTASSELL |
| AUGUST PETER KUNKEL, JR. | FRANCIS EDWIN WALKER, with High Honors |
| JOHN DAVID LINE | HERBERT MILTON WIDDOWSON |

In Dairy Technology

JOHN OSCAR HARRIS, with Honors

*In Floriculture*ROBERT FREDERICK BILS
PHILIP EUGENE LUSTER

JERRY WILLARD WASHBURN

*In Home Economics*BEVERLY ANNA BUNTING
JOANNE LOUISE DAIGLE
RUTH ALICE RUSTMEGAN DAWSON SCHIEFER
MARGARET LOU SHANNON
LOIS ANN WILLISTON*In Home Economics Education*

LOIS LORRAINE STUENKEL

In Restaurant Management

KEITH COLBY GARDNER

COLLEGE OF ENGINEERING**Degree of Bachelor of Science***In Aeronautical Engineering*ROBERT LEE CHANDLER, with Honors
JOHN CYBULSKI
JAMES ROBERT FENWICK
JOHN LOUIS HECKELDAVID GODFREY HERBENER
THOMAS GILL MUIR
WILLIAM EDWARD NICKEL
FRANK VILETA*In Agricultural Engineering*DULAL CHANDRA BORPUJARI
LESLIE EUGENE MAXEDON
DARREL GENE SUHRECHARLES CLAUDE ULFIG, JR.
ABID MOHAMMED ZAKIYAH*In Ceramic Engineering*RICHARD CHARLES ANDERSON
WILLIAM DOANE SCOTT, with High
Honors

JOHN FELIX SINCERE

*In Civil Engineering*LESTER TAKUMI AKASAKI
ARTHUR ERNEST BERG
CHARLES EDWARD BLOMBERG
ALFRED AUGUST BOWALD
CARL EVERT CARLSON
DEWEY ROSS CONNOR, JR.
ROBERT LOUIS CRESCIO
EDWARD LOUIS DAMAL
HOWARD JOHN HOLZER
CARLOS JAIME PINZON HUNTER
ALBERT G. LAW
ROBERT LEONARD LUTZROBERT ALLEN NACK
WILLIAM HUGH NELSON
HUGO RAMIREZ RESTREPO
ARNE SANDE
RONALD DENNIS SCHMIED
JONAS SMALSTYS
WILLIAM FREDERICK STIEF
RONALD JOSEPH SWOFFORD
DANIEL WAYNE URISH
WILLIAM ARTHUR WAKEFIELD
DORAN KEITH WELTY*In Electrical Engineering*LEE ADLER
JOHN BARNES, JR.
DAVID GRAYSON BERRY
RICHARD OTTO BEZ
DONALD ALAN BRANTINGHAM
LAUREL RAYMOND CHAPMAN, JR.
ROBERT TIEN-WEN CHIEN
CESAR JULIO GRANADOS CORREDOR
LONAS ROBERT DELCOUR
ROBERT NORMAN DU FORE
CARL WILLIAM ESCHMAN
HOWARD DAYTON HERN
ROBERT EUGENE HOVDA
DONALD ALVIN JACKSON
HARRY NOEL JAMISONGEORGE KERSTER
ROBERT GEORGE KLOUDA
MAURICE WILLIAM LEE, JR.
RUEY-WEN LIU, with Honors
GEORGE QUENTIN LOFGREN
MON A. LUM
ANTHONY VYTAUTAS MACIULIS
JACK MARGOLIS
VITO PETER MINERVA
WILLIAM CHARLES REGISTER, JR.
EUGENE RONALD SELVEN
CHARLES HADLEY VAUGHAN
FRANCES EUGENIA WATKINS
RICHARD EDWARD WOLFSBERGER

In Engineering Physics

ROBERT DALE BOYS
SEYMOUR JAY

TET-CHONG PANG

In General Engineering

RICHARD ALAN BECKENBAUGH
ROBERT TOWNSEND MEYER

LEAVITT ALBERT PETERSON

In Mechanical Engineering

ARTHUR LINCOLN ANDREW
ALBERT RICHARD BAGINSKI
ROGER BRUCE BISHOP
RICHARD HENRY BREAKER
EDWARD JOSEPH BROWN
RICHARD KORTIE BROWN
DOMINIC BUCCIFERRO
JAMES UBALDO CARDONI
LAWRENCE HASKELL CHANOC
BRUCE ALAN COOK, with Honors
WILLIAM DEFOTIS
CHARLES WILLIAM FERRIS
MICHAEL ALEXANDER GRAMME, JR.

LEONARD SHERMAN GREENBERG
HAROLD REINHART HEISLER
EUGENIJUS JANKUS
RICHARD HOWARD LANCE, with Honors
ROBERT BURNSIDE MACLEAN
THOMAS JOSEPH MCENEELY
ROBERT WALTER THEODORE OLSON
EUGENE FRANCIS SABLICK
DONALD LEE SCHAFFNER
OLIVER JAY SMITH
RAMOJUS PRANAS VOICEKAUSKAS
ROBERT WAYNE VOIGHT
ROGER KIPP WADSWORTH

In Metallurgical Engineering

MAURICE JO BOENITZ
WALTER THOMAS BOTT
MARTIN CECIL COALE

RICHARD JAY EVANSON
FREDRIK OLAF HAARBYE
LEW WALTHER MARKOW

In Mining Engineering

MICHAEL JAMES GRIFFIN
WALTER STEWART LUCAS
RICHARD LEE SLOAN
OLEG TERICHOW

RICHARD JAMES TRAINOR
TOMMY STANLEY ULLOM
PHILIP JOSEPH URSO

In Sanitary Engineering

SAMUEL WADE SHAFER

MICHAEL ZIHAI

COLLEGE OF LIBERAL ARTS AND SCIENCES**Degree of Bachelor of Arts***In Liberal Arts and Sciences*

ALLEN HASTINGS ANDREWS, JR.
BILL CURTIS BANISTER
BARBARA BELL
RONALD FRED BERLIANT
SAMUEL HERBERT BLEIER
BARBARA RUTH BOUCHARD
ELLEN LUCILLE BREMNER, with Honors
in Latin
EDWARD ELIZA BROWN
THOMAS EDWARD CALDWELL
CAROLYN MAE CARLSON
CATHERINE PETER CHENTES
JANET COHN
CAROL FINCH CONE
PHILLIP RONALD COOK
JAMES ROBERT COX
ROBERT ADAM CYGAN
LOIS DUNN
JOAN R. EDINBURG
OLGA MARIA EGGER
GWENDOLYN DELORIS ELLISTON
ANGELA CARROLL ELLISTON

PATRICIA M. FITZGERALD
ERNEST GHANOTAKIS
JOSEPH ANTHONY GONZALEZ
ANN ELIZABETH GOODMAN
SELMA GORDON
MARGARET MARY GRAHAM
JAMES HAROLD HAMILTON
LUCILLE HECHT
RICHARD OSCAR HEINZ
ALVIN PHILLIP HERMAN
MARIE LOUISE JOHNSON, with Honors in
Psychology
RUTH ANN JOHNSON
DIANE RENEE KEER
WILLIAM HAROLD KELLY
NORMAN BRUCE KERN
JOAN NICHOLSON KITTERMATER
DORIS KIRKPATRICK LAIN
LOUIS EDUARD LEMP
RONALD SANFORD LEVEY
ELI MICHAEL LEVITON
ANN CLARKE MAHER

IRENE DIANE MAHIN
 ROBERTA JEAN MC GILL, with Highest
 Honors in Spanish
 ROBERT DOW MCKNELLY, with Honors
 in Political Science
 KATHLEEN MARY MCNAMARA
 ELIZABETH ANN MEEK
 OTIS DELOID MORGAN
 KENNETH ROY MOUNT, with Highest
 Honors in Mathematics
 LEONARD ERWIN NEWMAN, with Honors
 in Political Science
 ESTHER WILMA OLLE
 JIM TEMPLE OVERAKER
 JANE RICHMOND PARTHEMER
 KENNETH OWEN PEARCE
 PETER EYMARD PIECHOCKI
 JEANNE B. PODUSKA
 JAMES DYACK REVEAL
 JACK DECOVERLEY RICHARDSON
 NANCY MAY ROWLAND

ROBERT JAMES SALKIN
 DAVID OWEN SCHILLERSTROM
 STUART M. SCHOENBURG
 DONALD MYRON SEIGEL
 ROBERT LAND SMITH
 KATHLEEN SARAH SPAULDING
 JANE ALLEN STROOK
 ESTHER KWANG-TZU TAN
 ROBERT HARRISON THOMPSON
 GEORGE JULIAN VAN EMDEN, with
 Highest Honors in Political Science
 ANNE MARY VEKICH, with High
 Honors in Sociology
 FRANCIS LEE VOSBURGH
 JAMES WALKER
 LU BROUSSARD WHITAKER
 GEORGE JOSEPH WIECZOREK
 ROSS GLEASON WILSEY, JR.
 ROGER LEE WOIZESKI
 DONALD LOUIS YOUNG

In the Teaching of English

GORDON COHN
 STEPHIE ELIZABETH KINIACK
 JEANNE JULE LOITZ
 GEORGE JEROME WALKER, JR.
 JOAN MARTHA WOLL

In the Teaching of Latin

KENNETH EUGENE HAGEN

In the Teaching of Social Studies

MAITA HONEY MITTELMAN

In the Teaching of Spanish

ALICE MAE HUDECEK, with Honors

Degree of Bachelor of Science

In Chemical Engineering

EARL PHILLIP BLOUGH, with Honors	LELAND BISHOP MILLER, JR., with Honors
ROY DEW CHRISTMANN	ALBERT DEMING MILLS
BENJAMIN BRUCE CLARK	RICHARD CONSTANTINO ROMANO, with Highest Honors
HARLAN LEROY FELDKIRCHNER, with High Honors	JOSEPH GERMANO SANTANGELO
JOHN THEODORE FORTMAN, with Honors	ROBERT WENDELL SCHRADER, with Honors
JOHN WINDSOR HARDING, with Highest Honors	MASARU SEGIMOTO
ROBERT STUART HENLY, with Honors	MARSHALL WAYNE SUTKER, with Honors
ROGER EMIL HUDRLIK, with High Honors	HERBERT CARL WALTHER, JR., with Highest Honors
PAUL WAYNE JOHNSON	ARDEN RAY WEATHERLY
MAVIS JERRY MCDANIEL	

In Chemistry

GEORGE EDWARD FITZGIBBON	WILLIAM W. PAUDLER
FILON ALEXANDER GADECKI	JAMES ROBERT PETZOLD
CHARLES FREDERICK HOWELL, with Highest Honors	KENNETH DALE SHANKLIN
ERNEST FRANKLIN LEVON, with High Honors	WILLIAM ANTHONY SPARTIN
ARTHUR MENDEL	WALTER ALBERT WOZNIACK, with Honors

In Liberal Arts and Sciences

WILLIAM HENRY ANDERES	ROBERT MAURICE BALZHISER, with High Honors in Psychology
ALICE ARAMIAN	DIETRICH C. BAUER
LARRY CLIVE ASCHER	

HENRY MERLE CONOR
 RICHARD BENJAMIN DELOTT
 NORMAN EDELSTEIN
 LYLE HENRY ELLICOTT
 DAVID SCOTT GEIGER
 HAROLD LEE GRIFFIN
 JULIUS ELLSWORTH HAMMACK
 NORBERT NATHAN HANKIN
 WALTER RICHARD JONES
 THEODORE GEORGE JUNG, JR.
 SABAH STEVEN KACHACHI
 MYRON KASSEL
 MARVIN ISADORE KNOPP, with High
 Honors in Mathematics
 ANITA MAGANA, with Honors in
 Psychology

WILLIAM TODD McCUNE
 GEORGE LOUIS MESSENGER
 TAKEFUMI MIJI, with Honors in
 Bacteriology
 GEORGE ANTHONY PAUL PAULIK
 ROSE MARIE PSOTA
 DELMER LEE SCOONOVER
 MERRILL KENNETH SEGGERMAN
 MARY LOWER TAIT
 DOMINIC MICHAEL VITUCCI
 JAMES OSCAR WAFER
 JOHN ROLAND WINKELMANN
 CHARLOTTE JEAN WOODARD
 LOWELL WILLARD WOODSTOCK

In Speech Correction

JUDITH BAN HASTEROK

In the Teaching of Biological Sciences and General Science

HOLLIS LEROY EYESTONE
 GRACE CAROL FELDMAN

FRANK JOSEPH WAMBACH

In the Teaching of Chemistry

JOHN HENRY FRIEDLEIN

In the Teaching of Geography

DONALD MAHLON REDMAN

In the Teaching of Mathematics

DOROTHY ANNETTE SYLLING

COLLEGE OF LAW

Degree of Bachelor of Science

In Law

ALLAN IRVING MENDELSON

Degree of Bachelor of Laws

ROBERT THOMPSON BEAM, B.S., 1951
 EDWARD BENECKI, B.S., A.M., 1949,
 1951
 JAMES CALVIN BOSTIAN, B.S., Northern
 Illinois State Teachers College,
 1950
 JOHN JAMES DESMOND, B.S., 1949
 STUART EDGAR DEVORE, A.B., 1952
 LLOYD GLEN HEROLD, A.B., 1952
 WILLIAM HENRY HERRING, B.S.,
 Bradley University, 1952

RANDLE EUGENE JOHNSON, B.S.,
 Bradley University, 1951
 GERALD LIPSICZ, A.B., 1952
 ROBERT MCCLURE, B.S., 1951
 DWIGHT ALWIN MCKABNEY, A.B., 1947
 FRANCIS ELWOOD MOSETICK, B.S., 1952
 ANDREW WARREN PETERS, B.S., 1951
 WILLIAM BRAXTON PHILLIPS, JR., B.S.,
 1952
 STANLEY JULIAN ROSZKOWSKI, B.S.,
 1949

Degree of Doctor of Law

HOLLIS WILLIAM BENJAMIN, B.S.,
 Bradley University, 1950; with
 High Honors

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

ANNA MAE HELEN CHIVINSKY
 FRANCIS LEE COCHRAN
 ROBERT E. HAVEN
 MAURENE LANE KIETZMAN
 PAUL GILBERT LEWIS

THOMAS EDWARD LONK
 MARY SHINN MOST
 WILLIAM THOMAS O'HARA
 PATRICIA ANN SMITH SEAMAN

In Elementary Education

BARBARA LOIS ARDEN
 RUTH BARRIE
 MARGARET JEAN BORTELL
 LORRAINE IRIS BRODSKY
 MURIEL ALICE CLARK
 DONNA ALYCE CORYDON, with Honors
 JOAN JACOBSON ELKIN
 EILEEN FRIED FREIREICH
 BARBARA STEWART HUTH
 INA JEAN LEFSTIN, with Honors
 SHIRLEY ROSE MOSCOVITZ, with High Honors
 LUT NEWBOE

EILEEN ELEANOR NORCROSS
 CLARICE CARLSON ROBINSON, with High Honors
 LOUISE JOYCE ROSENGARD, with Honors
 ILA NAN SAUNDERS, with Honors
 MARY ANN MYERS SAXMAN
 SHEILA EFRON SEIDMON
 MARGOT ANN TIBBITS SLOCUM
 HARRIET WEINBERG
 JEAN WILLIAMS WEISS, with Honors
 MARILYN JEAN WERNER, with High Honors
 IRMA VIOLA WILLIAMSON

In Industrial Education

PAUL MACK COOK

LUDWIG KENNETH JOHANNSEN

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**Degree of Bachelor of Science***In Accountancy*

DONALD THOMAS AUSTIN
 CLARENCE HOWARD BANKS
 WILLIAM LEE BECK
 RICHARD EDWARD BOCHTE
 MARJORIE MARIE BOYLE, with Honors
 JOHN LEO CAIN, III
 STANLEY DAVID CHRISTIANSON
 RICHARD ERWIN COLE, with Honors
 REVA ALICE FORT
 RONALD EUGENE GOLDBERG
 ARNE EDWIN GORANSON
 MARKS GORDON
 GERALD WILLIAM HICKEY
 ROBERT FAY HUTCHINGS
 THOMAS PAUL KENNEY
 ROBERT EDWIN KLEIN

WILLIAM JOSEPH KONEY
 NORBERT EDWARD KRAEGEL
 ROBERT GEORGE LANGE
 GERALD JACK LUNEBURG
 FRANCES MARIAN McCOWN
 EDWIN FRANCIS MURPHY
 ROBERT OWEN PALMER, with Honors
 LEO WALTER PIETRACK
 WILLIAM BROWN RICKS
 BERNARD HENRY ROST
 ROBERT SCHUMAN
 JERRY SHOTOLA
 JAMES LEONARD SLOVICK, with Honors
 SCOTT WINDSOR THOMPSON
 NORMAN LEE TROEMEL
 LELAND GEORGE WISE, with Honors

In Accountancy and Management

JAMES WILLIAM JENSEN

BERNARD STEPHEN SCHWARTZ

In Commerce and Law

ALLAN LEE BLAIR, with Honors
 JEROME DAVID FIREMAN, with Honors
 STUART NEAL GREENBERGER
 JOHN EDWIN NORTON

RICHARD BYRON REUSS
 MORTON ROCHMAN
 NORMAN ABRAHAM SHARE

In Commercial Teaching

EDGAR HOBART CHAPEL
 ROSLYN JUNE KAHLE

MARY LOUISE MARTIN

In Economics

ELDON WILLARD BERGSTROM, JR.
 JAMES ROGERS BREWSTER
 ROBERT EDWIN BRYANT
 DOUGALD SINCLAIR CAMERON
 OLIVER PERRY COLVIN
 PHILIP HARRY FLICK
 FREDERICK JOSEPH KRUZEL

FRED FRANK LOCHER
 WILLIAM PATRICK MORONEY
 RAYMOND MARTIN NORMANN, with Honors
 ROBERT CHAMBERLAIN REEVE
 THEODORE HENRY SHIFF, III
 SOL ZISOOK, with Honors

In Finance

WILLIAM FRANCIS SAVAGE

PETER VRAME

In Industrial Administration

LEONARD MAX GRUHLKE
EDWARD JOHN HYNDS, JR.
GORDON LYNN LEACH

RICHARD LOING MCCARTHY
MARSHALL ROBERT SCHROEDER

In Management

WILLIAM ROLAND BORDEN
JAMES MILLER BUCHANAN
RALPH THOMAS CAMPBELL
DOROTHEA MAY DANKES
WILLIAM ARTHUR GUEGEL, JR.
LEROY ADOLPH HEUER
GEORGE HOWARD HOSKINSON

VINCENT PETER LOMONACO
JOSEPH PATRICK MULLIGAN, JR.
JAMES EDWARD OLSON
JOSEPH JULIAN PROFILET
GENE PAUL STEFFY
GEORGE ZEZOFF

In Marketing

JOHN EVERETT ANDERSON
JAMES LOUIS BADGETT
ERNST FRANK BROSIUS
WILLIAM ROBERT CLINARD
EDWIN HENRY DRAKE, JR.
GROVER LORENZO FOOTE
ALLEN ROY FREEMAN
DAVID ARDIN FRISBIE
CAROLINE MAE GARNIER
RICHARD J. HEATH
ROBERT KEITH JAMIESON
VICTOR ALAN KUHN
LEE STANFORD KWATNEZ
DONALD ELKINS LENTZ
MORTON LOUIS LEVIN
THOMAS MAXWELL LIPTAK
JOHN KURRIE MARIS

LOWELL JEROME MARTIN
RICHARD BARRINGTON MARTLEY
CLIFTON NEIL MCINTIRE
PHILLIP AULDEN MERRIMAN
JANICE ROSENBERG, with Honors
PHILIP LAWRENCE ROSENFELD
ARTHUR SCHAEFER, JR.
LESLIE ALLEN SCHULTZ
WILLIAM A. SEARS, JR.
JOHN HENRY SEILER
SEIBERT IRA SOLOMON
JAMES JOSEPH STELZNER
BYRON ANDREW THORPE, III
FRED CHARLES WERNO
JAMES MACKILL WOOD
EUGENE YALOWITZ

In Marketing and Management

TONY JOSEPH MALESTIC
ROBERT KENNETH NELSON

WILLIAM RICHARD VITOUS

In Secretarial Training

JOAN WHITTIER BABB

BARBARA DALE FEDOR

SCHOOL OF JOURNALISM AND COMMUNICATIONS**Degree of Bachelor of Science***In Journalism*

CARL DANIEL ANDERSON
HOWARD LEE BALSON
EIVIND BERDAL
ADRIENNE RUTH BERMAN
EARL FRANCIS BROIHIER
DONALD JEROME CASSADY
BARRY LEWIS COLE
MARLIN DALE COLEMAN
CARL RICHARD CRADY
SHEILA MAVIS DALBY, with Honors
DOROTHY MARGARET ECKERT
BERNICE CLARE FINKELMAN
LEWIS IRA GOLAN
RUTH EILEEN HALL
SEYMOUR HANDWERKER
ROBERT STEPHEN HOFFMAN

JOHN PHILLIP HOLLAND
FRANCES IZBICKY
DEANE RAYMOND JOHNSON
EVELINA TSE-VEN KAO
FRANK PHILIP KONRAD
ALVIN DONALD OSTRIN, with Honors
HORACE PIEGER
SYLVIA MAE POUSSON, with Honors
SERENE JOYCE SACHAR
DONALD DAVID SCHMIDT
CHARLENE SEGAL
FRANK STASZECKI
DEAN ROGER STOREY
FRANK ALOIS VLASICH

COLLEGE OF FINE AND APPLIED ARTS**Degree of Bachelor of Architecture**

DONALD VINCENT BAKER
DEE LOUIS GLUECK
ERNESTO JIMENEZ
DONALD WILLIS LISTER

WENDELL BURTON PARKS, II
HERSHEL POST, with High Honors
ANNE KUNSTMAN WAY

Degree of Bachelor of Science*In Architectural Engineering*

BENJAMIN M. BORKON	CHARLES ELSMER DUSTER
DAVID FREDERICK BRANDT, with Highest Honors	RICHARD ARTHUR GRUITCH
CHARLES THOMAS CEDARHOLM	DAVID ELLSWORTH JOHNSON
JAMES RICHARD DRY	AUGUST MARTIN MASSA
DANIEL ALAN DUFFEE, with Honors	HERMAN ROBERTS
	DONALD VALINTINE RUTKOWSKI

In Architecture

RUDOLPH JOHN KLEPITSCH	MITSURO OTSUJI
ARTHUR MELANGTHON LOVE	MARTIN BENNETT SCHAFER
JIM KAZUO MAEDA	DONALD FREDERICK LEONARD WALD
GUILLERMO TELIEZ MUÑOZ	JAMES C. M. YOUNG

In Landscape Operation

JOHN ROBERT LUENSMAN

In Music Education

KERMIT TOWNSEND BREEN, with Honors	BARBARA HELEN ROBINSON
CHARLES RICHARD CASSEY, with Honors	LOYD EDWARD SETTLE, with High Honors
CAROL VIRGINIA CONARD	JANE REED WINEMAN, with High Honors
LANCER MILLARD COOPER	MARILEE ANNE WINGER
JEAN KENNEDY JONES	
CHERIE ANN LYFORD	

Degree of Bachelor of Fine Arts*In Advertising Design*

JAMES EDWARD FAGERBURG	BETTY MARIE NEMECEK
SHIRLEY CLAIRE HINNERS	RUDOLPH LELAND PARE
HERBERT MARTIN JONES, JR.	GLENN RODNEY REASER
JOHN VINCENT MASSEY	WILLIS GORHAM SABIN

In Art Education

BEVERLY DORTHEA EGELAND	BARBARA LEE MAAS
JOANNE ATANASOFF GATHERS	ROBERT ALLAN PALMGREN

In the History of Art

RUTH PALMER CRUMLISH, with Highest Honors

In Industrial Design

CHARLES BERNHARD JOHNSTON, with Honors	DAVID WINSTON MILEY
CHARLES BABCOCK MCGREW	OTTO GEORGE SALAVA
	BETTY GENE WADE

In Painting

SHELDON LEE BERKE	JOSEPH JOHN SABATELLA
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Degree of Bachelor of Music

HERBERT WALTER BIELAWA, with Honors

SCHOOL OF PHYSICAL EDUCATION**Degree of Bachelor of Science***In Physical Education*

MAX EDWARD BAUMGARDNER	LELAND MERRIAM ERNST
KENNETH DARRELL BAXTER, with Honors	ROBERT EUGENE FRALA, with Honors
JOSEPH LEE ECOPPI	MARILYN ANN HANDROCK, with Highest Honors
BERNARD WILLIAM ELSNER	EDWARD ALLEN HENDRICKS

LOUIS KACHIROUBAS
 VIVIAN HANNAH KRETSHMER
 HERMAN EARL LUKOW
 EDWARD JOHN MARTYNOWICZ
 VIVIAN LOUISE LEVERENZ
 JACK THOMAS O'CONNOR
 JAMES THOMAS SCHULDT

VIRGINIA MAE SINCLAIR
 JAMES RICHARD SLAGLE
 MELVIN JACK SPRINGER
 GEORGE JOSEPH STRNAD
 ERNA CATHERINE WESTAWAY, with
 Honors
 HOWARD JOSEPH FRANK WORKOWSKI

In Recreation

DAVID JAMES BRADEMAS, with Honors
 VERA CONSTANCE CORLEY, with Honors

JEROME JAMES NAGAWIECKI

DIVISION OF SPECIAL SERVICES FOR WAR VETERANS

Degree of Bachelor of Science

DAVID NORBERT AFTON
 CARL IVAN BARNHART
 GILBERT DUKE BARTELL
 MAURICE J. BIGGS
 THOMAS EDWARD BURKE
 JEAN ESSARY
 DAVID GRIFFITH FANKHAUSER
 JAMES RAY JACKSON

PAUL ANDRE LESCHUCK
 FREDERICK KNOWLES MAXWELL
 JOSEPH CHARLES MUELLER, with Honors
 GUNTHER ERIC ROTHENBERG, with
 Highest Honors in History
 KENNETH ALLEN SKIPWORTH
 LARRY NEIL SPILLER
 RICHARD JAMES THOMAS

Degrees Conferred in Chicago

COLLEGE OF PHARMACY

Degree of Bachelor of Science in Pharmacy

(Conferred December 19, 1953)

HERBERT MILTON GORDON

OTTO LEWIS ZELLER

The Executive Committee adjourned.

A. J. JANATA
Clerk

HERBERT B. MEGAN
 FRANCES B. WATKINS
 PARK LIVINGSTON, *Chairman*

ADDRESSES BY DIRECTOR R. B. DOWNS AND DEAN B. L. DODDS

During the luncheon recess, the President of the University presented Director R. B. Downs of the Library and Library School and Dean B. L. Dodds of the College of Education, who reported on the state of their divisions.

At the conclusion of the recess, since a quorum of the Board was still not present, on motion of Mr. Hickman, the Board adjourned.

A. J. JANATA
Secretary

PARK LIVINGSTON
President