

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

September 29, 1950



The September meeting of the Board of Trustees of the University of Illinois was held at the Country Club of Peoria, in Peoria, Illinois, on Friday, September 29, 1950, beginning at 11 o'clock a.m., Central Standard Time, according to the following schedule:

11:00 a.m. — Executive session, Committee of the Whole.

1:30 p.m. — Open session.

The following members were present: President Williamson, Mr. Fornof, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins.

President Stoddard was present; also Provost C. R. Griffith, Vice-President A. C. Ivy, Comptroller Lloyd Morey, Mr. H. O. Farber, Assistant Comptroller, J. F. Wright, Director of Public Information, Mr. J. E. Ewers, Security Officer, and Mr. A. J. Janata, Secretary of the Board.

EXECUTIVE SESSION

REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee of the Board of Trustees submitted the following record of its transactions at a meeting of the Committee held in Chicago on August 29, 1950.

MEETING OF THE EXECUTIVE COMMITTEE

AUGUST 29, 1950

A meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held at 1 p.m. on Tuesday, August 29, 1950, at the University Club, 76 East Monroe Street, Chicago.

Mr. Kenney E. Williamson, Chairman, and Mr. Park Livingston, members of the Executive Committee, were present; also Dr. George D. Stoddard, President, and Mr. H. O. Farber, Assistant Comptroller, who acted as Clerk.

Mr. Walter W. McLaughlin, who was unable to attend, reported that he had examined the agenda of business sent by the President's Office of the University to members of the Committee in advance and that he approved all items.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Executive Committee considered the following recommendations and reports presented by President Stoddard.

LEAVE OF ABSENCE FOR PROFESSOR WILLIAM H. SCHEICK

(1) Professor William H. Scheick, Director of the Small Homes Council, was granted leave of absence without pay for the year 1949-1950 for service as Executive Director of the Building Research Advisory Board of the National Research Council. He spent the year organizing the "Building Research Advisory Board" and initiating research projects.

At the urgent request of the Chairman of the Council, I have authorized the extension of Professor Scheick's leave of absence without pay for one year, beginning September 1, 1950, and request confirmation of this action.

On motion of Mr. Livingston, the extension of this leave of absence was approved.

CANCELLATION OF LEAVE OF ABSENCE FOR CLARETA WALKER

(2) Miss Clareta Walker, Assistant Professor of Rural Youth in Home Economics Extension, was given sabbatical leave of absence on one-half pay for the academic year, beginning September 1, 1950. She has requested, partly for the convenience of the University and partly because of changes in her personal plans, that her leave be deferred.

I recommend that it be canceled without prejudice as to a future leave.

On motion of Mr. Livingston, this leave was cancelled without prejudice as to a future leave.

LEAVE OF ABSENCE FOR PROFESSOR JOHN M. KUYPERS AS DIRECTOR OF THE SCHOOL OF MUSIC

(3) In accordance with his request of August 16, 1950, I recommend that Professor John M. Kuypers be granted a leave of absence from the Directorship of the School of Music for one year beginning September 1, 1950. He would retain his professorship, without change of salary for the coming year.

I recommend also that Professor Duane A. Branigan serve as Acting Director of the School of Music for one year beginning September 1, 1950,

and Professor of Music on indefinite tenure, with a suitable adjustment in salary for the year as determined by the President of the University. Professor Branigan has served before as Acting Director of the School.

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

RELEASE OF POTENTIALLY PATENTABLE DISCOVERIES

(4) Professor C. S. Marvel of the Department of Chemistry reports some potentially patentable discoveries relating to the reaction between dithiols and unconjugated diolefins which result from research work done by former graduate students working under him and are described in the doctoral theses by P. H. Aldrich (1949) and P. D. Caesar (1950), as follows: (1) the preparation of polyalkylene sulfides from aliphatic dithiols and unconjugated diolefins in various types of emulsions in the presence of free radical initiators; (2) the high molecular weight orientable polyalkylene sulfides thus obtained; (3) the reaction of aromatic dithiols and unconjugated diolefins to give polyarylene-alkylene sulfides which can also be achieved in emulsion in the presence of free radical initiators; (4) the use of an unreactive solvent such as benzene or methanol to give better emulsions when an aromatic dithiol is a reaction constituent; and (5) the polyarylene-alkylene sulfides as new products.

Professor Marvel states that there is some domination of this field by a patent issued to D. D. Coffman but the improvements described above seem to be fundamental in getting usable polymers in this field.

Professor Roger Adams, Head of the Department of Chemistry, has expressed doubts that it will be advisable for the University to take over the possible patentable material in this field in view of the dominating position of Coffman. On the basis of his report, the University Research Board recommends that the discoveries be released to the discoverers.

I concur.

On motion of Mr. Livingston, these discoveries were released as recommended.

PATENT APPLICATION ON NEW COMPOSITIONS AND STRUCTURES OF REFRACTORIES

(5) Professor Ralph L. Cook of the Department of Ceramic Engineering reports the development of new compositions and structures of refractories which are particularly suitable for the lining of enamel smelters. This is a result of research work financed by the Chicago Vitreous Enamel Product Company of Cicero, Illinois, the Ferro Enamel Corporation of Cleveland, Ohio, and Pemco Corporation of Baltimore, Maryland, under a cooperative investigation entitled "the development and investigation of refractories for enamel smelter operation, with particular emphasis on those required for low temperature enamels" by the Engineering Experiment Station.

The cooperating companies request that the University undertake the patenting of this development, the expenses to be paid by them. This conforms to University policy relating to such matters.

The University Research Board recommends that a patent be secured in the name of the University.

I concur.

On motion of Mr. Livingston, this application was authorized as recommended.

FEES FOR POSTGRADUATE COURSES

(6) The Dean of the College of Dentistry and the Comptroller recommend, the Provost concurring therein, that the following schedule of fees be established for postgraduate courses in the College of Dentistry and that these fees be uniform for both residents and nonresidents of Illinois:

Twelve-week refresher program (three months).....	\$150 00
One-week units.....	25 00
Two-, three-, or four-week units.....	50 00

Short lecture and demonstration courses	
Evening courses.....	25 00
One- or two-day (television).....	25 00
Postgraduate program, per month.....	50 00

This is the same as the present schedule of fees charged nonresidents of Illinois. Residents are charged one-half of the stated fees, but in the judgment of officials of the College of Dentistry this is too low and they believe there should be no differential in fees charged for these self-sustaining professional programs.

I recommend approval.

On motion of Mr. Livingston, these fees were authorized.

RELEASE OF FUNDS FOR BUILDINGS AND OTHER CAPITAL IMPROVEMENTS

(7) The Governor has approved the following releases of funds from appropriations made to the University of Illinois for 1949-1951 for buildings and other capital improvements.

Release No. 32

"For Permanent Improvements at Urbana-Champaign — Construction of agricultural structures and remodeling present agricultural buildings".....\$270 000
This is a partial release from an appropriation of \$290,000. The Governor has previously released (Release No. 9) \$20,000 for architectural and engineering services for this project. The funds now released are for the construction of agricultural structures and remodeling present agricultural buildings at Urbana-Champaign.

Release No. 33

"For Contingencies to cover expenditures for purposes for which the amount in any item above enumerated is, or becomes insufficient"... 15 000
This is a partial release from an appropriation of \$250,000 and the \$15,000 released is to supplement Release No. 32 for the construction of agricultural structures and remodeling present agricultural buildings.

Release No. 34

"For Contingencies to cover expenditures for purposes for which the amount appropriated in any item above enumerated is, or becomes insufficient"..... 200 000
This is a partial release from an appropriation of \$550,000 and the \$200,000 now released is to supplement Release No. 29 for the acquisition of land for the extension of the campus at Urbana-Champaign.

Release No. 35

"For Permanent Improvements at Chicago — Construction of Utility Distribution System and remodeling of existing buildings"..... 31 705
This is a partial release from an appropriation of \$190,000. The Governor has previously released (Releases Nos. 10, 26, and 28) \$56,087 from this appropriation and also (Release No. 21) \$97,790 from the appropriation of \$550,000 for "Contingencies" for the remodeling of quarters for the Department of Biological Chemistry in the Dentistry, Medicine, and Pharmacy Building in Chicago. The funds now released are for the extension of the electrical distribution system.

Release No. 36

"For Permanent Improvements at Urbana-Champaign — Additions to Power and Heating Plant and remodeling of existing buildings"... 181 078
This is a partial release from an appropriation of \$1,215,000. The Governor has previously released (Releases Nos. 6, 13, 16, 24, and 30) \$804,344 for various parts of the addition to the Power Plant,

and released (Releases Nos. 14 and 23) \$150,000 for remodeling in the William Albert Noyes Laboratory of Chemistry. The funds now released are for (1) erection of turbine generator (\$7,000), (2) furnishing and installation of steam, water, condensate, compressed air, turbine oil, fuel piping and equipment (\$104,289), (3) construction of brick chimney (\$56,500), (4) insulation of all piping for the new turbine generator (\$9,789), and (5) allowance for adjustment (\$3,500).

Release No. 37

"For Permanent Improvements at Urbana-Champaign — Construction of extensions to the Utility Distribution Systems"..... 110 000
This is a partial release from an appropriation of \$375,000. The Governor has previously released (Release No. 12) \$40,000 for architectural and engineering services in connection with this project. The funds now released are for (1) modernization of transformer vaults at Davenport Hall and the Natural History Building (\$18,778), (2) electrical distribution system cable, load center equipment and miscellaneous work incidental to construction of the Animal Sciences Laboratory and the Veterinary Medicine Building (\$79,248), and (3) for supplementary labor (approximately \$12,000).

I recommend that these funds be appropriated by the Board for the purposes indicated.

On motion of Mr. Livingston, these funds were appropriated, as recommended, by the following vote: Aye, Mr. Livingston, Mr. Williamson; absent, Mr. McLaughlin.

CONTRACT FOR STEAM SERVICE

(8) Bids have been received for the extension of steam service to the Animal Sciences Laboratory.

The Director of the Physical Plant and the Comptroller recommend the award of a contract in the amount of \$13,956 to Gallaher and Speck, Inc., Chicago, the lowest bidder.

Funds are available in the state appropriation for the "Construction of Animal Sciences Laboratory" and have been released by the Governor.

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

On motion of Mr. Livingston, this contract was awarded as recommended.

APPROPRIATIONS FOR THE COLLEGE OF AGRICULTURE

(9) The Dean of the College of Agriculture and the Comptroller recommend that the following appropriations be made from accumulated agricultural income which has been reserved for agricultural purposes.

One truck for the Department of Animal Science.....\$2 160

(The Swine Division is the only production division in the Animal Science Department not motorized. The addition of a truck will enable workers to accomplish their tasks in less time and with fewer trips. It is planned to purchase a heavy four-wheel drive truck, platform bed type, equipped with hydraulic hoist that can also be used for pulling posts and other similar jobs in the erection of fences.)

Construction of a concrete feed lot south of the Beef Cattle Scale House 2 800

Total\$4 960

I concur.

On motion of Mr. Livingston, these appropriations were made, as recommended, by the following vote: Aye, Mr. Livingston, Mr. Williamson; absent, Mr. McLaughlin.

APPROPRIATION AND AWARD OF CONTRACTS FOR HUFF GYMNASIUM IMPROVEMENTS

(10) The Committee on Nonrecurring Appropriations recommends an appropriation of \$81,175 for improvements in the George Huff Gymnasium. Bids on this work have been secured. I recommend that this appropriation be made and that the Comptroller and the Secretary of the Board be authorized to execute contracts with the lowest bidders as follows:

General work—C. A. Petry & Sons, Champaign.....	\$48 470
Electrical work—Brunkow Electric Company, Champaign.....	1 900
Plumbing and heating work—Reliable Plumbing and Heating Com- pany, Champaign.....	8 838
Ventilation work—Schroeder's Ventilating Company, Champaign.....	2 320
<i>Sub-total</i>	(61 528)
<i>Other expenditures to be made from this appropriation:</i>	
Architectural and engineering services.....	\$ 4 300
Equipment	7 060
Installation of equipment.....	4 400
Moving of equipment, cleaning up of remodeled quarters, and contingencies	3 887
<i>Sub-total</i>	(19 647)
<i>Total</i>	\$81 175

The report from the Physical Plant Department, giving details of these improvements and schedules of all bids received, is submitted herewith.

On motion of Mr. Livingston, this appropriation was made and authority was given, as recommended, by the following vote: Aye, Mr. Livingston, Mr. Williamson; absent, Mr. McLaughlin.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(11) The Committee on Nonrecurring Appropriations recommends that an assignment of \$12,800 be made from the General Reserve Fund for (1) remodeling in Bevier Hall, \$9,500, and (2) purchase of furniture and equipment, \$3,300—both for the Department of Home Economics.

I concur.

The request for this assignment of funds has been carefully studied by the Committee on Nonrecurring Appropriations. The report of the Committee, giving details on this item, is submitted herewith.

On motion of Mr. Livingston, these appropriations were made, as recommended, by the following vote: Aye, Mr. Livingston, Mr. Williamson; absent, Mr. McLaughlin.

PURCHASES

Purchases Authorized

(12) The following purchases were authorized by the President's Office on the recommendations of the Director of Purchases and the Comptroller.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
15,000 copies each of two dental charts in two colors	Postgraduate Studies, Extension Division	Neely Printing Co., Inc., Chicago	\$2 029 00 delivered
165 each ten contact relays	Electrical Engineering Research	C. P. Clare Co., Chicago	1 074 88 f.o.b. Chicago
38,000 lbs. No. 1 halftone newsprint	Alumni Association	Duckett Paper Co., Champaign	2 979 20 f.o.b. Chicago
Creative textiles quality B-8 pattern V-53/A rugs as follows: two 21' x 27' 2"; one 21' x 15' 1"; one 6' x 78'; three 6' x 19'	Illini Union	Carson Pirie Scott & Co., Chicago	5 897 40 f.o.b. Urbana

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
455 sq. yds. Bigelow-Sanford "Gro-point" (or equal) carpet to be laid in fourteen guest rooms in the Illini Union	Illini Union	Carson Pirie Scott & Co., Chicago	5 115 22 (approximate)
62,336 pounds (approximately) of forgings made of .15 maximum carbon steel, untreated, black forged on top and bottom faces	Physics	Bethlehem Steel Co., Chicago	5 206 72 f.o.b. Bethlehem, Pa.
600 cases bleached 10 $\frac{1}{4}$ x 13 $\frac{1}{4}$ paper towels	Physical Plant	S. V. Cain, Inc., Danville	3 274 42 f.o.b. delivered
600 cases bleached 4 $\frac{1}{2}$ x 4 $\frac{1}{2}$ 10# manila toilet tissue	Physical Plant	Schwarz Paper Co., Peoria	4 200 00 delivered
40,000 copies extramural credit courses for teachers and librarians, 24 pages (self cover) size 4" x 8 $\frac{1}{2}$ " to be printed on 70 lb. offset	Division of University Extension	Howard Co., Peoria	1 204 00 f.o.b. Urbana
One Warburg apparatus aminco, circular, 20 unit; two extra mercury thermoregulators; one Warburg apparatus aminco, rectangular, 14 unit	Bacteriology	American Instrument Co., Silver Spring, Md.	2 090 50 f.o.b. Urbana

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

Purchases Recommended

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

I concur.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One 1CA2 Link trainer and panorama	Psychology	Link Aviation, Inc., Binghamton, N.Y.	\$22 960 82
One high-speed oscilloscope, 1000 cycles to 100 megacycles, 24 kilovolt accelerating potential	Physics	James E. Everett Co., Evanston	3 500 00 f.o.b. Portland, Ore.
One standard signal generator	Physics	General Radio Co., Chicago	1 350 00 f.o.b. Cambridge, Mass.
Five steel storage bins 48" wide x 24" deep x 8'3" high	Chemistry	W. B. Read & Co., Bloomington	1 377 04 delivered and erected
29 steel storage bins 36" wide x 24" deep x 8'3" high			
Two steel storage bins 36" wide x 22" deep x 39" high	Geology	W. H. Kessel & Co., Chicago	3 177 00 f.o.b. Urbana
Five microscopes, petrographic Leitz model 111 M, achromatic objectives 3.2X, 10X and 45X, complete with accessories and case	Geology	W. H. Kessel & Co., Chicago	1 284 50 f.o.b. Urbana
One microscope, petrographic Leitz CMU type 3.2X, 6X, 10X, 25X and 45X achromatic objective, 8X Huyghenian eyepiece, complete with accessories, case and engraving	Geology	W. H. Kessel & Co., Chicago	1 284 50 f.o.b. Urbana
1,809 mineral specimens	Geology	Ward's Natural Science Establishment, Inc., Rochester, N.Y.	1 428 61 f.o.b. Urbana
25,000 Illinois farm record books to be printed by offset in accordance with specifications	Agricultural Economics	Howard Co., Peoria	2 320 00 f.o.b. Urbana
One Shorthorn bull and one Hereford bull for University purebred herd	Animal Science		4 000 00 (estimated)
One Willys truck with platform stake bed and equipped with heater and defroster, mud grip directional tread tires, and hydraulic hoist (installed)	Animal Science, Special Equipment	Reeder Auto Sales, Champaign	1 968 46 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One Piper Pacer, P.A. 20, model 125 V.H.F. radio and shielding navigation, panel and landing lights, rear seat heater, Sensnich prop fairing kit, spinner painted according to specifications	Institute of Aviation	Illini Airport, Urbana	3 629 04 delivered
One Ford tractor, 1950 model, complete with heavy duty bucket loader with hydraulic control and rear mount utility blade with hydraulic control	Institute of Aviation	Dana Hudelson, Inc., Champaign	1 750 00 delivered
234 dozen glass hypodermic syringes engraved "Property of University of Illinois Chicago"	Chicago Professional Colleges, General Stores	Will Ross, Inc., Park Forest	3 219 35 net delivered
36 dozen one cc. vaccine syringes	Chicago Professional Colleges, General Stores	Arista Surgical Supply Co., New York	363 60 f.o.b. New York (delivery cost will not exceed \$10)
Shenango china, pattern No. 6521, color 22 ivory (50 doz. 7" dinner plates; 59 doz. 6" salad plates; 94 doz. tea cups; 25 doz. saucers; 25 doz. oatmeal bowls; 50 doz. fruit dishes)	Residence Halls	Arthur Schiller & Son, Chicago	1 898 90 f.o.b. Urbana
17 Coca-Cola vending machines	Illini Union	Champaign Coca Cola Bottling Co. Employees Council Physical Plant Council Total	3 224 29 1 781 97 546 74 (5 553 00)
6,000 board feet of B and better northern white pine (Pinus Strobus) rough, kiln dried, 6" and wider by 10'-16' lengths as follows: 3000' of 1", 3000' of 2"	Physical Plant	Foster Lumber Co., Milwaukee, Wis.	2 085 00 f.o.b. cars Milwaukee, Wis.
2,000 board feet of 2" birch lumber FAS, rough kiln dried	Physical Plant	Elliott Lumber Co., Danville	3 150 00 f.o.b. Urbana
3,000 board feet of 1"-6" and wider by 10'-16' lengths			
5,000 board feet of 1" x 6" T&G—B and better, edge grain, clear fir flooring 12'-16' lengths			
Visible record file cabinets complete with steel hinge pockets for approximately 2,700 cards, and steel stands to support the cabinets	Physical Plant (for Information Office in the Illini Union Building)	Acme Visible Records, Inc., Chicago	2 198 86 f.o.b. Urbana
300 tons (approximate) southern Illinois stoker coal, oil treated	Physical Plant (coal for various residence properties occupied by University departments)	LeBaugh Coal Co., Urbana	2 805 00
25 tons (approximate) southern Illinois lump coal		B. C. Beach & Co., Champaign	248 25
100 reams 22 x 34, 40 lb., 25% rag bond, white, opaqued, short grain paper	Office Supply Store	J. W. Butler Paper Co., Chicago	2 919 91 f.o.b. delivered
100 reams 22 x 34, 32 lb., 25% rag bond, white, opaqued, short grain paper			
100 reams 22 x 34, 26 lb., 25% rag bond, white, opaqued, short grain paper			
30 reams 24 x 38, 39 lb., 25% rag bond, white, opaqued, short grain paper			
30 reams 24 x 38, 49 lb., 25% rag bond, white, opaqued, short grain paper			
To be watermarked "University of Illinois"			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
80 reams 22 x 34, 32 lb., No. 4 sulphite bond, white, short grain paper	Office Supply Store	Bradner Smith & Co., Chicago	2 160 87 f.o.b. delivered
24 reams 24 x 38, 39 lb., No. 4 sulphite bond, white, short grain paper			
75 reams 22 x 34, 40 lb., No. 4 sulphite bond, white, short grain paper			
304 reams 22 x 34, 32 lb., No. 4 sulphite bond, various colors, short grain paper			
30 reams 24 x 38, 39 lb., No. 4 sulphite bond, various colors, short grain paper			
150 reams 22 x 34, 40 lb., 100% rag bond, white paper	Office Supply Store	Dwight Bros. Paper Co., Chicago	3 509 20 f.o.b. delivered
40 reams 22 x 34, 32 lb., 100% rag bond, white paper			
50 reams 22 x 34, 26 lb., 100% rag bond, white paper			
To be watermarked with University of Illinois seal, not localized			
Dismantle, transport to Allerton Park Tower Site, and erect one Blaw Knox H40—350 foot steel tower, including one federal square loop FM antenna with dual coaxial cable and lighting system	Radio Station	BDN Steel Erecting Co., Chicago	12 600 00
700 No. 5687 Tung-Sol tubes JAN-1A inspected	Graduate College Computer	Tung-Sol Lamp Works, Inc., Newark, N.J.	2 625 00 f.o.b. Newark, N.J.
65 yearling feeder heifers to be used in project No. 1143	Animal Science		12 500 00 (estimated)
36,367 board feet of number one kiln dried fir lumber, S4S, square end trimmed with eased edges	Physical Plant Storeroom	Long Lumber Co., Champaign	4 909 55 f.o.b. cars, Champaign
One new 1950 pickup truck complete with oil bath air cleaner, oil filter, heater and defroster, directional turning lights and spare tire and wheel; this truck will replace vehicle No. 206, 1942 Chevrolet ½ ton panel truck, which will be traded in	Physical Plant	Dana Hudelson, Inc., (Ford), Champaign	1 269 14 delivered
Two new 1950 station wagons (Ford V-8, Chevrolet, or Plymouth) including oil bath air cleaner, oil filter, fresh air heater and defroster and spare tire and wheel; these vehicles will replace vehicles No. 234, 1948 Ford station wagon, and No. 248, 1947 Ford station wagon, which will be traded in	Physical Plant	Noble Motor Co. (Ford), Danville	2 101 20 delivered
One new 1950 DeSoto, suburban model, nine passenger, complete with fresh air heater and defroster, oil bath air cleaner, oil filter, luggage rack and spare tire; this automobile will replace vehicle No. 201, 1947 DeSoto suburban, which will be traded in	Physical Plant	Lloyd Eichhorst, Inc., Champaign	2 300 00 delivered
One new 1950 pickup truck complete with oil bath air cleaner, oil filter, heater and defroster, directional turning lights and spare tire and wheel; this truck will replace vehicle No. 265, 1940 Chevrolet ¾ ton pickup truck, which will be traded in	Physical Plant	Kap Chevrolet Co., Monticello	1 133 70 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish necessary labor and tools to place in the Physics Research Laboratory, as directed, a bias reactor weighing 16 tons and a motor generator set weighing 11 tons—this work to be done on the basis of quoted rates. The bias reactor is to be moved from present position on laboratory floor to mezzanine floor elevation of approximately 5' 7" and placed on sliding track assembly. The motor generator set is to be removed from railroad car and placed inside laboratory. There may be other minor jobs requested that can not be stated at this time. However, the work requested under this contract is not to exceed \$3,000.	Physics	Shea-Matson Co., Chicago	Not in excess of 3 000 00
600 83-2R receptacles; 950 83-2SP plugs	Electrical Engineering	Allied Radio Corp., Chicago	2 364 00 f.o.b. Urbana
Eight pieces Interferometer glass (special) finished as per specifications outlined by Aeronautical Engineering Department	Aeronautical Engineering	Optron Laboratory, Dayton, Ohio	3 650 00 f.o.b. Urbana
250 (approximate) uniforms for ground forces R.O.T.C., advanced students for the year 1950-1951; 60 (approximate) uniforms for Air Force R.O.T.C., advanced students for the year 1950-1951	Military	Associated Military Stores, Chicago	22 881 00 (approximate)
Painting and minor repairs of buildings on eight Allerton farms	Agricultural Economics	Kayser Bros., Decatur	5 934 28
Building materials for house for academic staff member, house to be constructed at Dixon Springs Experiment Station, Robbins, Illinois	Agricultural Administration	To be selected by representatives of the College of Agriculture from the building material suppliers in the area, on a bid basis, the low bid to be accepted when materials are available from more than one source	Not to exceed 4 000 00

On motion of Mr. Livingston, these purchases were authorized as recommended.

CONTRACT FOR FIRE ALARM EVACUATION SIGNAL SYSTEMS

(13) Bids have been received for the installation of fire alarm evacuation signal systems in the University High School, University High School Gymnasium, Men's Residence Hall, Illini Union Building, and McKinley Hospital.

Funds are available in the Physical Plant renewal and replacement appropriations for the cost of installation in the University High School, University High School Gymnasium, and the McKinley Hospital. The cost of the installation in the Illini Union Building will be paid from funds appropriated for this purpose and the cost of the installation in the Men's Residence Halls will be financed by a transfer of surplus arising from Busey and Evans Hall operations. This improvement is a part of the general program recommended by the University Safety Committee.

The Director of the Physical Plant and the Comptroller recommend the award of a contract in the amount of \$10,600 to the Leverenz Electric Company, Danville, the lowest bidder. The total cost of the project including the repair of plaster and paint damaged by the installation is estimated at \$12,300.

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

On motion of Mr. Livingston, this contract was awarded and authority was given as recommended.

CONTRACT FOR SPRINKLER SYSTEM IN MCKINLEY HOSPITAL

(14) Bids have been received for the installation of a sprinkler system in McKinley Hospital which is a part of the safety and fire protection program recommended for the Hospital.

The Director of the Physical Plant and the Comptroller recommend the award of a contract in the amount of \$1,950 to the Reliable Plumbing and Heating Company, Champaign, the lowest bidder.

Funds are available in the Physical Plant renewal and replacement budget.

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

On motion of Mr. Livingston, this contract was awarded and authority was given as recommended.

**ADDITION TO CONTRACT FOR ELECTRICAL WORK
IN DAVENPORT HALL**

(15) On July 25, 1950 (Minutes, page 25), the Board of Trustees authorized a contract with the Anderson Electric Company of Danville for electrical work in connection with transformer vault modernization in Davenport Hall. This modernization would increase the capacity of the transformer to 300 kva.

Drawings and specifications for the Radio Carbon Laboratory for remodeling in this building are now nearly complete and the demand of this laboratory for electrical current has indicated that there will be an additional 150 kva load to the electrical system of the building. The architects have checked two alternatives of (1) increasing the size of the planned new transformer bank or (2) providing a separate transformer installation for the Radio Carbon Laboratory. The first alternative can be completed at a cost of \$5,000 as compared with \$7,500 for the second alternative and will result in greater flexibility with respect to loads being handled.

The Director of the Physical Plant and the Comptroller recommend an addition of \$5,000 to the contract with Anderson Electric Company to provide for this increased capacity.

I concur.

On motion of Mr. Livingston, this addition was approved.

REMODELING FOR BACTERIOLOGY

(16) On July 25, 1950 (Minutes, page 23), the Board of Trustees approved an appropriation of \$22,225 for remodeling in Noyes Laboratory for the Department of Bacteriology.

The program provided that the remodeling work would be done by the University's Physical Plant Department. However, since the project was approved in the summer months when the routine maintenance work of the Physical Plant Department is at its peak, it is impossible for the Physical Plant Department to complete this remodeling by the time desired by the academic department.

To save time, the Director of the Physical Plant and the Comptroller recommend that this work be handled as an addition to the contracts awarded for the remodeling of the fifth floor of the Natural History Building. Competitive bids were received for the latter project on a cost basis and contracts with the low bidders were approved by the Board of Trustees on September 29, 1949 (Minutes, page 810). This plan will result in estimated total additions to the following contracts with payments to be based on the percentages indicated.

<i>Contractor</i>	<i>Material</i>	<i>Labor</i>	<i>Sub-contract</i>	<i>Estimated Total</i>
General work—E. N. DeAtley,				
Champaign.....	15%	20%	10%	\$10 425
Electrical work—Potter Electric				
Company, Urbana.....	20%	20%	10%	1 700
Plumbing and heating work—Reliable				
Plumbing and Heating Co.				
Champaign.....	25%	25%	10%	5 000

The estimates for these phases of the remodeling work indicate that the total project cost will exceed the funds appropriated by the Board on July 25 by \$4,000. An additional appropriation of this amount is required.

I recommend that the Board of Trustees appropriate an additional \$4,000 for remodeling in Noyes Laboratory for the Department of Bacteriology and that the Comptroller be authorized to execute these changes in the contracts.

On motion of Mr. Livingston, this additional appropriation was made and authority was given, as recommended, by the following vote: Aye, Mr. Livingston, Mr. Williamson; absent, Mr. McLaughlin.

APPROPRIATION FOR FIRE LOSS IN VETERINARY PATHOLOGY LABORATORY

(17) A fire occurred in the Veterinary Pathology Laboratory on August 18 which resulted in damage to the building and equipment. The University does not budget funds for fire losses, and it is necessary that an appropriation be made from the General Reserve Fund of the University to replace the equipment and repair the building.

I recommend an appropriation of \$5,750 for this purpose.

On motion of Mr. Livingston, this appropriation was made, as recommended, by the following vote: Aye, Mr. Livingston, Mr. Williamson; absent, Mr. McLaughlin.

REVISED CATTLE FEEDING PROGRAM FOR WRIGHT FARMS, 1950-1951

(18) The Board of Trustees on June 22, 1950 (Minutes, page 1185) approved a program for the purchase of feeding cattle for Wright Farm No. 4 in DeKalb County for the year 1950-1951. This program provided for the feeding of light calves.

The hay and grass silage available is greater than had been expected and is more than would be required under the program as approved. Also, the uncertainties of the market make the longer feeding periods necessary for lighter calves less desirable than shorter feeding periods with cattle of heavier initial weights. Because of these factors, a revised program has been drawn up which provides for cattle of heavier initial weight and for more cattle. The initial cost will be greater but the feeding period will be materially shorter for each lot making a more rapid turnover of the money invested. The amount of grain will be about the same with the two programs but more roughage will be used under the revised program.

Revised Program

<i>Buying Period</i>	<i>Number</i>	<i>Kind</i>	<i>Average Weight</i>	<i>Price per Hundred-weight</i>	<i>Total Cost</i>	<i>University Share</i>
August-September	44	Yearling heifers	647	\$28 25	\$ 8 014 07	\$ 4 007 04
October	40	Yearling steers	625	26 50	6 625 00	3 312 50
December-January	40	Heavy calves	550	30 00	6 600 00	3 300 00
Total	124				\$21 239 07	\$10 619 54

The Director of Purchases, the Comptroller, and Professor J. B. Andrews of the College of Agriculture, request authority to purchase feeding cattle substantially in accordance with the above revised schedule. All said purchases will be reported to the Board of Trustees and will be paid from Wright Farms Operation Income, purchases to be made on the basis of current market prices when suitable stock is available.

I concur.

On motion of Mr. Livingston, authority was given, as recommended, by the following vote: Aye, Mr. Livingston, Mr. Williamson; absent, Mr. McLaughlin.

CONTRACT FOR UTILITIES DISTRIBUTION SYSTEM

(19) One bid has been received for the construction of concrete duct runs as a part of the expansion of the Utilities Distribution System. Only one bid was received although nine contractors were specifically invited to bid and advertisements appeared in the *Chicago Tribune* and the *St. Louis Post-Dispatch*. The bid was submitted by E. N. DeAtley, Champaign, in the amount of \$41,000.

The Director of the Physical Plant and the Comptroller recommend the award of a contract to E. N. DeAtley in the amount of \$41,000 since the contract must be awarded soon in order to insure completion before the end of the biennium, the bid has been reviewed and appears reasonable, there is no assurance that additional bidders will be interested if new bids are requested, and the Physical Plant Department is unable to undertake the work with its present staff and facilities.

Funds are available in the state appropriation for buildings subject to the release by the Governor.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute a contract with E. N. DeAtley in the amount of \$41,000 subject to the release of funds by the Governor.

On motion of Mr. Livingston, this contract was awarded and authority was given as recommended.

The Executive Committee adjourned.

H. O. FARBER

Clerk

KENNEY E. WILLIAMSON

Chairman

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board considered the following recommendations and reports presented by President Stoddard.

PATENT COVERING PRODUCTS OF STREPTOMYCIN

(1) In his research work on antibiotic substances, Professor Herbert E. Carter of the Department of Chemistry developed certain degradation products of streptomycin known as streptidine and streptamine. This research program has been financed for many years by grants from Abbott Laboratories, Eli Lilly and Company, Parke Davis and Company, and the Upjohn Company. The University is the assignee of an application for a patent by Professor Carter covering streptidine and streptamine. The patent application has been handled by the attorneys for Parke Davis and Company which has paid the costs.

Attorneys for Parke Davis and Company report there is interference with this patent by applications on discoveries in the same field by Merck and Company and E. R. Squibb and Sons. The chemists for these firms were working in the same field and at the same time as Professor Carter and his associates. The two groups, working independently, made the same discoveries. Professor Carter reports that it is now obvious that Merck and Company was ahead of him by several months and he is willing to concede priority. Since his application has been assigned to the University, it is necessary that the Board of Trustees consent to the concession of priority. Professor Carter recommends that this be done and I concur.

On motion of Dr. Meyer, the Board consented to this concession of priority.

PATENT APPLICATION ON INSTRUMENT FOR MEASUREMENT AND CONTROL OF MAGNETIC FIELDS

(2) Dr. E. L. Hahn, Research Associate in the Department of Physics, has devised what seems to be a novel instrument for the precise measurement and control of magnetic fields. It is based on the so-called principle of nuclear magnetic

resonance. The phenomenon involved is a resonance between the frequency of oscillation of a magnetic field applied to a sample, and the natural precessional frequency of an atomic nucleus in a constant external magnetic field.

This phenomenon has been applied by others to the measurement and regulation of magnetic fields, but in Hahn's embodiment of this idea the alternating magnetic field is generated by a novel method that presents advantages of simplicity and compactness.

It is possible that this device is patentable, and if so a patent covering it may have some commercial value. The University Research Board recommends that a patent search be authorized to determine the novelty and patentability of the device. If such authorization is given, an investigation of the marketability of the patent will also be made to determine the value of securing a patent.

I concur and recommend further that if this device is found to be patentable and is of sufficient commercial value to justify the expense of securing a patent, an application for the same be authorized.

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

GRANT FROM THE FORD FOUNDATION

(3) On August 23, 1950, Mr. William McPeak of the Ford Foundation, Detroit, Michigan, visited the University of Illinois and informed a group of University officials (including President Kenney E. Williamson of the Board of Trustees) that the Foundation would shortly offer the University a grant for researches in the behavioral sciences.

It is likely the sum will be \$100,000. The University would be free to use this sum according to its own plans in this general field.

I recommend that the President of the University be authorized to accept this fund, subject to final Board approval of the whole plan.

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

PURCHASE OF LAND IN URBANA

(4) The Board of Trustees has authorized negotiations for the purchase of properties in Urbana-Champaign in areas of future campus expansion when they can be acquired at satisfactory prices and to secure options on such properties.

Three properties in Urbana have recently been offered to the University. All are in an area which the city of Urbana is presently considering rezoning for commercial purposes. It is important that the University prevent such development since an inevitable result of rezoning would be an increase in the cost to the University of acquiring the land. All these properties are adjacent to properties now owned by the University. The buildings on them can be used advantageously until the sites are needed for new buildings.

The Provost, the Director of the Physical Plant, and the Comptroller recommend purchase of the following properties at the prices indicated:

Southwest corner of Illinois Street and Goodwin Avenue, Urbana.....	\$100 000
(Mrs. N. Louise Tryner and George G. Bennett, Owners)	
1112 and 1114 West Green Street, Urbana.....	66 000
(Mrs. Clara E. Locke, Owner)	
202 South Goodwin Avenue, Urbana.....	17 500
(Mrs. Eva F. Turner, Owner)	

Memoranda describing these properties, discussing price negotiations and giving further information in support of these recommendations, are hereby given to the Secretary of the Board for record.

Funds are available in the state appropriations to the University for buildings and other capital improvements and have already been released by the Governor for this purpose.

I recommend that these properties be purchased and that the Comptroller and the Secretary of the Board be authorized to execute the necessary documents.

On motion of Mr. Hickman, the purchase of these properties was authorized by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mr.

Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Nickell, Mr. Stevenson.

**PURCHASE OF PROPERTY AT 601 EAST SPRINGFIELD AVENUE,
CHAMPAIGN**

(5) The Water Resources Building of the State Water Survey Division was constructed on property at 603-607 East Springfield Avenue, Champaign, purchased for this purpose by the University. The University also owns a small parcel of property at 601½ East Springfield Avenue. The Board of Natural Resources and Conservation has requested the University to purchase the corner immediately west of this at 601 East Springfield Avenue to provide land for the future expansion of the Water Resources Building.

The Comptroller and the Director of the Physical Plant have investigated this property. After several months of negotiation, the owner has offered to sell the property to the University for \$14,250. If the offer is not accepted the owner proposes to construct some improvements on the property.

The Director of the Physical Plant and the Comptroller recommend acceptance of this offer and authorization of the purchase. An appropriation of \$14,250 from the General Reserve Fund will be required.

I concur.

On motion of Mr. Livingston, the purchase of this property was authorized, and an appropriation of \$14,250 was made from the General Reserve Fund, by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Nickell, Mr. Stevenson.

APPROPRIATIONS FOR APPROVED PURCHASES OF LAND

(6) On April 21, 1949 (Minutes, page 310), the Board of Trustees approved the purchase of the 320-acre McCullough Farm and the purchase of eighty acres from the Sullivan heirs. On May 21, 1949 (Minutes, page 360), the Board of Trustees approved the purchase of the property at Sixth and John Streets in Champaign. All these purchases are on the basis of contracts providing for annual payments and in some cases for pre-payments. The Comptroller reports that in the year 1950-1951, the maximum payments which can be made under these contracts are \$153,815 and recommends that such payments be made. These payments are to be made in accordance with the following schedule:

<i>Property</i>	<i>Amount of Payment</i>		<i>Total</i>
	<i>Principal</i>	<i>Interest</i>	
Rolfe Property..... (Completes payments for this purchase)	\$28 250	\$565	\$28 815
Sullivan Property..... (Interest charged to income from the property. Remaining balance after this payment which can not be paid until 1952 — \$15,000)			15 000
McCullough Property..... (Interest charged to income from the property. Completes payments on this property)	110 000		110 000
<i>Total</i>			<u>\$153 815</u>

I recommend an appropriation of \$153,815 for these payments.

On motion of Mr. McLaughlin, this appropriation was made by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Nickell, Mr. Stevenson.

AGREEMENT WITH ART INSTITUTE OF CHICAGO FOR CUSTODIANSHIP OF PAINTINGS

(7) From time to time the Art Institute of Chicago has loaned the University paintings and other works of art for public exhibits. There are now in the Illini Union Building a number of valuable paintings on loan for an indefinite period. Officials of the Art Institute have requested the University to set up a formal plan for custodianship of paintings and other works of art which may be sent to Urbana-Champaign in the future. This was approved in principle by the Executive Committee of the Board on August 29, 1950.

I now request authorization of an agreement with the Art Institute of Chicago as a basis for such a plan, the details of which are outlined in a memorandum hereby given to the Secretary of the Board as a matter of record.

President Stoddard presented and discussed the details of this plan.

On motion of Mrs. Holt, the action of the Executive Committee was confirmed and the agreement was authorized.

OPEN SESSION

When the Board convened in open session, the same members and officers were present as during the forenoon session.

MR. JOSEPH EWERS APPEARED BEFORE THE BOARD

At this point the President of the University presented Mr. Joseph E. Ewers, University Security Officer, who explained the functions and operations of his office and answered questions put to him by members of the Board.

APPOINTMENTS TO THE FACULTY

(1) 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. JOSEPH WARREN BEACH, Visiting Professor of English, on one-half time, beginning September 1, 1950, at an annual salary of \$5,000 (D50).

2. CHARLES HARVEY BROWN, Visiting Professor of Library Science, beginning September 1, 1950, for one semester, at a salary of \$3,000 (G).

3. HENRY R. BRUNNEMEYER, Assistant State Leader of Farm Advisers and Assistant Professor, Agricultural Extension, beginning September 1, 1950, at an annual salary of \$7,000 (DY).

4. ELWOOD SPENCER BUFFA, Assistant Professor of Mechanical Engineering, beginning September 1, 1950, at an annual salary of \$5,000 (D).

5. GEOFFREY F. CHEW, Assistant Professor of Physics, beginning September 1, 1950, at an annual salary of \$5,600 (D).

6. GEORGE THOMPSON CLAYTON, Assistant Professor of Architecture, beginning September 1, 1950, at an annual salary of \$4,500 (D).

7. WILLIAM FRANCIS COOLIDGE, Assistant State Leader of Farm Advisers and Assistant Professor, Agricultural Extension, beginning September 1, 1950, at an annual salary of \$7,000 (DY).

8. THOMAS FRANCIS CROWLEY, Assistant Professor of Hygiene and Medical Adviser for Men, beginning September 1, 1950, at an annual salary of \$7,200 (DY).

9. LAWRENCE M. DERIDDER, Counselor and Assistant Professor of Psychology, Chicago Undergraduate Division, beginning September 1, 1950, at an annual salary of \$5,200 (DY).

10. LESLIE W. DUNLAP, Associate Professor of Library Science, beginning January 1, 1951, at an annual salary of \$6,000 (D).

11. LAWRENCE L. DURISCH, Visiting Professor of Political Science, beginning September 1, 1950, for one semester, at a salary of \$4,500 (G).

12. WILLIS LAURENS EMERY, Associate Professor of Electrical Engineering, beginning September 1, 1950, at an annual salary of \$5,500 (D).

13. CHARLES RANDALL HILL, Assistant Professor of Industrial Education, beginning September 1, 1950, at an annual salary of \$4,500 (D).

14. KATHARINE JOSEPHINE HIVON, Assistant Professor of Home Economics, beginning September 1, 1950, at an annual salary of \$5,000 (DY).

15. JAMES CHESTER KELLY, Associate Professor of Speech, beginning September 1, 1950, at an annual salary of \$5,300 (A).

16. FRED AUGUST KUMMEROW, Assistant Professor of Food Chemistry, Department of Food Technology, beginning September 16, 1950, at an annual salary of \$6,500 (DY).

17. LEO S. LAVATELLI, Assistant Professor of Physics, beginning September 1, 1950, at an annual salary of \$5,000 (D).

18. KENNETH M. MADISON, Assistant Professor of Biological Sciences, Chicago Undergraduate Division, beginning September 1, 1950, at an annual salary of \$4,500 (D).

19. JOSEPH C. MCDANIEL, Assistant Professor of Horticulture, Extension Service in College of Agriculture, beginning August 1, 1950, at an annual salary of \$5,100 (DY).

20. JOHN DUNCAN MCNEE, JR., Assistant Professor of Art, Chicago Undergraduate Division, beginning September 1, 1950, at an annual salary of \$4,800 (D).

21. FREDERICK T. MOORE, Assistant Professor of Economics, beginning September 1, 1950, at an annual salary of \$4,500 (D).

22. RICHARD CARL SANBORN, Assistant Professor of Entomology, beginning September 1, 1950, at an annual salary of \$4,500 (D).

23. MARIAN ELSA TOLBERT, Assistant Professor of Home Economics, beginning September 1, 1950, at an annual salary of \$5,000 (DY).

On motion of Dr. Meyer, these appointments were confirmed.

CLINICAL FACULTY OF THE COLLEGE OF MEDICINE, 1950-1951

(2) I recommend that the following appointments be made to the non-salaried, clinical faculty of the College of Medicine for the academic year beginning September 1, 1950, unless otherwise indicated, and that the President of the University be authorized to make such additional appointments and other changes, and to accept resignations, as are desirable and necessary.

Appointments of Professors and Associate Professors are on indefinite tenure; all others are for one year from September 1, 1950, or, for one year from July 1, 1950, as stated in such cases. New appointments are so indicated.

<i>Department</i>	<i>Summary</i>	<i>1949-1950</i>	<i>1950-1951</i>
Anatomy.....		8	5
Bacteriology.....		5	2
Biological Chemistry.....		2	3
Clinical Science.....		1	4
Criminology and Legal Medicine.....		11	Discontinued
Dermatology.....		20 (2)	22 (2) ¹
Illustration Studios.....		1	1
Medicine.....		193 (11)	194 (11)
Neurology and Neurological Surgery.....		19 (1)	18 (1)
Obstetrics and Gynecology.....		51 (8)	60 (8)
Ophthalmology.....		58 (3)	58 (2)
Orthopaedic Surgery.....		16	17
Otolaryngology.....		50 (2)	59 (2)
Pathology.....		21	30
Pediatrics.....		42 (3)	34 (2)
Pharmacology.....		5	2
Physiology.....		4	4
Preventive Medicine.....	}	6 ²	3
Public Health.....			5
Psychiatry.....		43 (2)	44 (2)
Radiology.....		16	17
Surgery (including Urology and Anesthesia).....		118 (7)	125 (8)
<i>Total</i>		690 (39)	702 (38)

¹ The figures in parentheses indicate the number of emeritus members.

² The Departments of Preventive Medicine and Public Health were formerly one department.

Anatomy

CIPOLLA, ARTHUR F., M.D., Instructor
KHEDROO, LAWRENCE G., B.S., D.D.S., M.D., Assistant
LIPFOLD, ROLAND W., B.S., M.S., Assistant
SHEARER, CHARLES E., B.S., M.D., Assistant
TATARAWICZ, BEN J., M.D., Assistant

Bacteriology

FORSTER, GEORGE F., Ph.D., Lecturer, with the rank of Assistant Professor
FELSENFIELD, OSCAR, M.D., Professorial Lecturer

Biological Chemistry

MACFADYEN, DOUGLAS A., A.M., M.D., Professor (Rush)¹
HILLER, ALMA E., Ph.D., Associate Professor (Rush)
HORWITT, MAX K., Ph.D., Assistant Professor

Clinical Science

KRASNO, LOUIS, M.D., Assistant Professor
JOHNSON, CARL A., M.D., Assistant Professor
HWANG, KAO, M.D., Research Associate
NEWMAN, EDWARD A., M.D., Research Associate

Dermatology

ORMSBY, OLIVER S., M.D., Clinical Professor (Rush), *Emeritus*
MITCHELL, JAMES H., M.D., Clinical Professor (Rush), *Emeritus*
WEBER, LEONARD F., M.D., Clinical Professor
CARO, MARCUS R., M.D., Clinical Professor
EBERT, MICHAEL H., M.D., Clinical Professor (Rush)
NEUHAUSER, IRENE, M.D., Clinical Assistant Professor
ROLL, HARVEY C., M.D., Clinical Associate
GRIFFITH, PAUL R., M.D., Clinical Associate
SLEPYAN, ALBERT H., M.D., Clinical Associate
OMENS, DAVID V., M.D., Clinical Associate (Rush)
HETREED, FRANCIS W., M.D., Clinical Associate (Rush)
OMENS, HAROLD, M.D., Clinical Instructor (Rush)
BOSWELL, PAUL P., M.D., Clinical Instructor
BUCHHOLZ, ALEXANDER, M.D., Clinical Instructor
ROBIN, MILTON, M.D., Clinical Instructor
FELSHER, ZACHARY, M.D., Clinical Instructor (Rush)
RUBIN, LOUIS, M.D., Clinical Instructor
YAFFE, BERNARD, M.D., Clinical Instructor (Rush)
LATTA, PHILIP R., M.D., Clinical Instructor
RIDDELL, J. MURRAY, M.D., Clinical Assistant
SPINKA, HAROLD M., M.D., Clinical Assistant (Rush)

Illustration Studios

LINDEN, CARL T., Instructor in Medical Illustration

Medicine

BROWN, RALPH C., B.S., M.D., Professor (Rush), *Emeritus*
HERRICK, JAMES B., A.B., LL.D., M.D., Professor (Rush), *Emeritus*
IRONS, ERNEST E., Ph.D., M.D., Clinical Professor (Rush), *Emeritus*
POST, WILBER E., Ph.D., M.D., Clinical Professor (Rush), *Emeritus*
STRAUSS, SIDNEY, A.B., M.D., Clinical Professor, *Emeritus*

¹ The designation (Rush) in a title is used to identify former members of the Rush Medical College faculty who were taken over by the University in 1941 as part of the affiliation with the Presbyterian Hospital by authority of the Board of Trustees.

TICE, FREDERICK, M.D., Clinical Professor, *Emeritus*
 WOODYATT, ROLLIN T., B.S., M.D., Clinical Professor (Rush), *Emeritus*
 ARKIN, AARON, Ph.D., M.D., Clinical Professor (Rush)
 ARMSTRONG, S. HOWARD, JR., A.B., M.D., Professor (Rush)
 CAMPBELL, LEO K., B.S., M.D., Clinical Professor (Rush)
 EYERLY, JAMES B., B.S., M.D., Clinical Professor (Rush)
 FREILICH, ELLIS B., M.D., Clinical Professor
 HIBBS, WILLIAM G., B.S., M.D., Clinical Professor (Rush)
 KELLY, FRANK B., B.S., M.D., Clinical Professor (Rush)
 MEYER, JACOB, M.S., M.D., Clinical Professor
 SLOAN, LEROY H., B.S., M.D., Clinical Professor
 THOMAS, WILLIAM A., Ph.B., M.D., Clinical Professor (Rush)
 THOMPSON, WILLARD O., B.S., M.D., Clinical Professor
 CHAUVET, FRANK, M.D., Clinical Associate Professor, *Emeritus*
 GOLDBERG, BENJAMIN, M.D., Clinical Associate Professor, *Emeritus*
 BUTLER, STUYVESANT, Ph.B., M.D., Clinical Associate Professor (Rush)
 FELDMAN, LOUIS, B.S., M.D., Clinical Associate Professor
 FORAN, FRANCIS L., M.S., M.D., Clinical Associate Professor (Rush)
 KNIGHT, ALVA A., B.S., M.D., Clinical Associate Professor (Rush)
 LUNDY, CLAYTON J., M.S., M.D., Clinical Associate Professor (Rush)
 LUSK, FRANK B., A.M., M.D., Clinical Associate Professor
 PERLSTEIN, SAMUEL, M.D., Clinical Associate Professor
 PERNOKIS, EVANS W., M.D., Clinical Associate Professor (Rush)
 PORTIS, SIDNEY A., M.D., Clinical Associate Professor (Rush)
 RABENS, ISIDORE A., M.S., M.D., Clinical Associate Professor
 RAGINS, OSCAR B., M.S., M.D., Clinical Associate Professor
 RAPPAPORT, BEN Z., M.S., M.D., Clinical Associate Professor
 SHEAFF, HOWARD M., Ph.D., M.D., Clinical Associate Professor (Rush)
 TRAUT, EUGENE F., B.S., M.D., Clinical Associate Professor (Rush)
 TRIMMER, RALPH W., M.D., Clinical Associate Professor (Rush)
 VANDERKLOOT, ALBERT, M.D., Clinical Associate Professor
 FREDRICKSON, F. O., M.D., Assistant Professor (Rush), *Emeritus*
 WILSON, FRANKLIN S., Ph.G., M.D., Assistant Professor, *Emeritus*
 ABRAMSON, DAVID I., M.D., Clinical Assistant Professor
 AFREMOW, MELVIN L., M.S., M.D., Clinical Assistant Professor
 AMTMAN, LEO E., B.S., M.D., Clinical Assistant Professor
 BARTON, EVAN M., A.B., M.D., Clinical Assistant Professor (Rush)
 BERNSTEIN, ARTHUR, B.S., M.D., Clinical Assistant Professor
 BERSON, ROBERT C., A.B., M.D., Assistant Professor
 BOIKAN, WILLIAM S., M.S., M.D., Clinical Assistant Professor
 BREUHAUS, HERBERT C., B.S., M.D., Clinical Assistant Professor (Rush)
 CAMPBELL, JAMES A., A.B., M.D., Assistant Professor (Rush)
 CARTER, JAY B., M.S., M.D., Clinical Assistant Professor (Rush)
 DEUSS, HUGO O., B.S., M.D., Clinical Assistant Professor
 DEYOUNG, WILLARD G., B.S., M.D., Clinical Assistant Professor (Rush)
 FISCHER, JACOB W., B.S., M.D., Clinical Assistant Professor
 FISHBEIN, MORRIS, B.S., M.D., Ph.D., Clinical Assistant Professor (Rush)
 GARDINER, JOHN A., A.M., M.D., Clinical Assistant Professor (Rush)
 GRAY, EARLE, B.S., M.D., Clinical Assistant Professor (Rush)
 HILKEVITCH, BENJAMIN H., M.D., Clinical Assistant Professor (Rush)
 JONES, ROBERT M., A.B., M.D., Clinical Assistant Professor
 LEVITT, ROBERT O., A.B., M.D., Clinical Assistant Professor
 LICHTENSTEIN, MEYER R., M.S., M.D., Clinical Assistant Professor
 McMILLAN, J. CHARLES, B.S., M.D., Clinical Assistant Professor
 MOSKO, MILTON M., B.S., M.D., Clinical Assistant Professor
 PEARLMAN, BENJAMIN, B.S., M.D., Clinical Assistant Professor
 PROPST, DUANE W., A.B., B.S., M.D., Clinical Assistant Professor (on leave of absence)
 RITTER, ISRAEL I., B.S., M.D., Clinical Assistant Professor
 ROBERG, NORMAN B., M.D., Clinical Assistant Professor
 ROSENBLUM, ALFRED H., B.S., M.D., Clinical Assistant Professor
 ROSENBLUM, SAMUEL H., B.S., M.D., Clinical Assistant Professor

SPELLBERG, MITCHELL A., M.D., Clinical Assistant Professor
STECK, IRVING E., M.S., M.D., Clinical Assistant Professor
STRAUS, ELIZABETH K., A.B., M.D., Clinical Assistant Professor (Rush)
STUPPY, GEORGE W., Ph.D., M.D., Clinical Assistant Professor (Rush)
TURNER, GEORGE C., B.S., M.D., Clinical Assistant Professor (Rush)
WOOD, WILLARD L., M.S., M.D., Clinical Assistant Professor (Rush)
WOODRUFF, LEWIS W., B.S., M.D., Clinical Assistant Professor (Rush)
DURHAM, O. C., Lecturer in Allergy, with the rank of Assistant Professor (New)
AKRE, OSMUND H., A.B., M.D., Clinical Associate (Rush)
BAIRD, THOMAS A., B.S., M.D., Clinical Associate (Rush)
BENNETT, JOSEPH R., A.B., M.D., Clinical Associate (Rush)
BROWN, R. GORDON, A.B., M.D., Clinical Associate (Rush)
BERG, MAX, Ph.D., M.D., Clinical Associate
BERNSTEIN, MAX M., B.S., M.D., Clinical Associate
BYFIELD, GEORGE V., M.S., M.D., Clinical Associate
DITKOWSKY, SAMUEL I., B.S., M.D., Clinical Associate
EDIDIN, LOUIS, B.S., M.D., Clinical Associate
GALT, RAYMOND M., A.B., B.M., M.D., Clinical Associate
GROSZ, EUGENE, M.D., Clinical Associate
GUNTHER, AARON, B.S., M.D., Clinical Associate
HOOVER, HAROLD M., B.S., M.D., Clinical Associate
HUTCHISON, WILLIAM A., M.D., Clinical Associate
HYMAN, SAMUEL, M.P.H., B.S., M.D., Clinical Associate
IRONS, EDWIN N., B.S., M.D., Clinical Associate (Rush)
KINNEY, JANET R., B.S., M.D., Clinical Associate
KIRBY, WILLIAM J., B.S., M.D., Clinical Associate (Rush)
MEHLMAN, JEROME S., A.B., M.D., Clinical Associate
NECHELES, JOHN R., M.D., Clinical Associate
NELSON, BERTRAM G., B.S., M.D., Clinical Associate (Rush)
PAUL, OGLESBY, A.B., M.D., Clinical Associate (Rush)
PERLMAN, LAWRENCE, B.S., M.D., Clinical Associate
RAVENNA, PAUL, M.D., Clinical Associate
RICEWASSER, HENRY, B.S., A.B., M.D., Clinical Associate
SCHICK, ARMIN F., B.S., M.D., Clinical Associate (Rush)
SIMKIN, MAURICE, B.S., M.D., Clinical Associate (Rush)
SIMKIN, WILLIAM, B.S., M.D., Clinical Associate (Rush)
WILLIAMS, JAMES L., A.M., M.D., Clinical Associate
WOLF, ALEXANDER, B.S., M.D., Clinical Associate
AREN, MARVIN W., B.S., M.D., Clinical Instructor
BAUMEISTER, CARL F., B.S., M.D., Clinical Instructor
BEINAR, PETER J., B.S., M.D., Clinical Instructor
BERKE, ROBERT D., M.D., Clinical Instructor
BICA, GAETANO A., B.S., M.D., Clinical Instructor
BUSER, JULIAN W., M.D., Clinical Instructor
CARSTENS, H. PAUL, M.S., M.D., Clinical Instructor
CRONHEIM, ERNST, M.D., Clinical Instructor
DICKEY, MARVIN M., M.D., Clinical Instructor (Rush)
EHRlich, NORMAN J., M.S., M.D., Clinical Instructor
FARAGO, PETER, M.D., Clinical Instructor (Rush)
FEINHANDLER, EMANUEL, B.S., M.D., Clinical Instructor
FISHER, DON L., B.S., M.D., Clinical Instructor (Rush)
FRANZBLAU, SANFORD A., M.S., M.D., Clinical Instructor
GIANASI, CHARLES A., A.B., M.D., Clinical Instructor
GREGORIO, JOHN T., M.D., Clinical Instructor
GURVEY, JULIUS A., B.S., M.D., Clinical Instructor
HISS, FREDERICK W., M.D., Clinical Instructor (Rush)
HOBAN, THOMAS, M.D., Clinical Instructor (Rush) (New)
HORWITZ, HARVEY, B.S., M.D., Clinical Instructor
JACKSON, EDWARD L., B.S., M.D., Clinical Instructor
JANSON, C. HELGE M., B.S., M.D., Clinical Instructor (Rush)
JESSER, JOSEPH H., B.S., M.D., Clinical Instructor
KESLER, ROLAND L., A.B., M.D., Clinical Instructor (Rush)

LEVINE, HOWARD J., Clinical Instructor
LEVY, GEORGE, M.D., Clinical Instructor
LEWIS, WARREN C., A.B., B.S., M.D., Clinical Instructor
LUBIN, JEROME J., B.S., M.D., Clinical Instructor
MEREDITH, PAUL A., A.B., B.M., M.D., Clinical Instructor
PETRAKOS, HARRY N., B.S., M.D., Clinical Instructor
POLLEY, THEODORE Z., B.S., B.M., M.D., Clinical Instructor
POST, JOHN, B.S., M.D., Clinical Instructor (Rush)
RHETTA, HELEN L., A.B., M.D., Clinical Instructor
ROSANOVA, ALBERT R., B.S., M.D., Clinical Instructor
SAPIENZA, ANTHONY R., B.S., M.D., Clinical Instructor
SCALA, RALPH A., LL.B., M.D., Clinical Instructor
SCHNAER, IRA L., M.D., Clinical Instructor (Rush)
SELVERSTONE, LOUIS A., A.B., M.D., Instructor (Rush)
SIGLIN, IRVIN S., B.S., M.D., Clinical Instructor
SINGER, JOHN D., B.S., M.D., Clinical Instructor
SLADEK, WILLIAM R., B.S., M.D., Clinical Instructor
SLOTT, IRVING, B.S., M.D., Clinical Instructor
TELSEER, STANLEY E., A.B., M.D., Clinical Instructor
TIMBLIN, WILLIAM S., B.S., M.D., Clinical Instructor
WEINBERG, BERNHARD J., B.S., M.D., Clinical Instructor
WEINER, ROBERT G., B.S., M.D., Clinical Instructor
WIEN, NORMAN A., B.S., M.D., Clinical Instructor
YELLEN, HARRY J., B.S., M.D., Clinical Instructor
YONAN, JOHN B., M.D., Clinical Instructor
ZELLER, MICHAEL, M.D., Clinical Instructor
BALLARD, GEORGE P., B.S., M.D., Clinical Assistant
BASKETT, LINDSAY M., B.S., M.D., Clinical Assistant (Rush)
BELL-IRVING, PETER, M.D., Clinical Assistant (Rush) (New)
BEST, WILLIAM R., B.S., M.D., Clinical Assistant¹
BRETZ, WILLIAM E., B.S., M.D., Clinical Assistant (Rush)
BRIXEY, ALBIN M., A.B., B.S., M.D., Clinical Assistant
CHAPMAN, ROBERT A., A.B., M.D., Clinical Assistant¹
CHERTACK, MELVIN M., M.S., M.D., Clinical Assistant
DAKIN, THEODORE R., A.B., M.D., Clinical Assistant
DE JONG, GEORGE A., M.D., Clinical Assistant (Rush)
FORREST, RUSSELL A., M.D., Clinical Assistant¹
FRANKEL, JOSEPH J., B.S., M.D., Clinical Assistant
GLEAVE, GWEN, B.S., M.D., Clinical Assistant¹
GRIMELLI, LUKE J., M.D., Clinical Assistant
HALL, F. RICHARD, A.B., M.D., Clinical Assistant (Rush)
HARTLEY, HENRIETTA S., M.D., Clinical Assistant
HARTMAN, C. F., M.D., Clinical Assistant (Rush)
HAVRANEK, JAMES C., B.S., M.D., Clinical Assistant
KALB, CLIFFORD H., M.D., Clinical Assistant
KLEIN, SAMUEL, B.S., M.D., Clinical Assistant
MANNING, JOHN J., B.S., M.D., Clinical Assistant
MARTIN, CLEMENT G., M.D., M.S., Clinical Assistant (Rush)
MCBRIDE, DONALD, M.D., Clinical Assistant (Rush)
MCGRATH, CHARLES D., A.B., M.D., Clinical Assistant (Rush)
MORRIS, ROGER S., M.D., Clinical Assistant (Rush)
NARUT, LEO F., A.B., B.S., M.D., Clinical Assistant
O'BRIEN, DONALD E., M.D., Clinical Assistant (Rush)
PLACE, VIRGIL A., M.D., Clinical Assistant (Rush)
PRESLEY, SOPHIE J., M.D., Clinical Assistant
RAY, MARY, B.S., M.D., Clinical Assistant (Rush)
ROBBINS, JOSEPH M., B.S., M.D., Clinical Assistant
ROCHLIN, ISIDORE, M.D., Clinical Assistant (Rush)
ROSENBLUM, A. I., B.S., M.D., Clinical Assistant
SCHUPP, JOSEPH G., A.B., M.D., Clinical Assistant (Rush)

¹ Also Resident at Research and Educational Hospitals.

TARUN, DONALD W., A.B., B.S., M.D., Clinical Assistant (Rush)
 THRIFT, C. B., B.S., M.D., Clinical Assistant (Rush)
 VORHAUS, LOUIS J., II, M.D., Clinical Assistant¹
 WEISS, EUGENE, M.S., M.D., Clinical Assistant
 YOUNG, CHARLES W., M.D., Clinical Assistant
 ZIVIN, SIMON, M.D., Clinical Assistant
 STENN, FREDERICK, M.S., M.D., Lecturer in History of Medicine

Neurology and Neurological Surgery

AVERY, LOREN, M.D., Clinical Professor of Neurology (Rush)
 VERBRUGGHEN, ADRIEN, M.S., Clinical Professor of Neurological Surgery (Rush)
 LICHTENSTEIN, BEN W., M.D., Associate Professor of Neurology
 GUSTAFSON, WESLEY A., M.D., Clinical Assistant Professor of Neurological Surgery
 ZEITLIN, HOWARD, M.D., Clinical Assistant Professor of Neurology
 HARDT, HARRY G., M.D., Clinical Associate in Neurology (Rush), *Emeritus*
 SPEIGEL, I. J., M.D., Clinical Associate in Neurosurgery
 AMADOR, LUIS V., M.D., Research Associate in Neurology and Neurological Surgery (7-1-50 to 8-31-51)
 OBERHILL, HAROLD R., M.D., Clinical Instructor in Neurosurgery
 TEXTOR, CHARLES S., II, M.D., Clinical Instructor in Neurosurgery (Rush)
 VONWITZLEBEN, HENRY D., M.D., Clinical Instructor in Neurology
 ZOLT, NATHAN, M.D., Clinical Instructor in Neurology
 BENNETT, F. E., M.D., Clinical Assistant (one year from 7-1-50)
 CRANDALL, PAUL H., M.D., Clinical Assistant (9-1-50 to 6-30-51)
 FARLEY, ALBERT W., II, M.D., Clinical Assistant (one year from 7-1-50)
 McCASKELL, DANIEL, M.D., Clinical Assistant (Rush) (one year from 7-1-50)
 PITTMAN, HAL W., M.D., Clinical Assistant (one year from 7-1-50)
 SCHWARTZ, MELVIN L., M.D., Clinical Assistant (9-1-50 to 6-30-51)

Obstetrics and Gynecology

HOLMES, RUDOLPH W., M.D., Professor (Rush), *Emeritus*
 WEBSTER, JOHN C., M.D., Professor (Rush), *Emeritus*
 BAER, JOSEPH L., M.S., M.D., Clinical Professor (Rush), *Emeritus*
 HEANEY, NOBEL S., A.B., M.D., Clinical Professor (Rush), *Emeritus*
 ALLEN, EDWARD D., B.S., M.D., Clinical Professor (Rush)
 KANTER, AARON E., M.S., M.D., Clinical Professor (Rush)
 LASH, ABRAHAM F., M.D., Ph.D., Clinical Associate Professor
 HAMMOND, WALTER C., M.D., Clinical Assistant Professor, *Emeritus*
 LANG, JOHN M., M.D., Clinical Assistant Professor, *Emeritus*
 NEWBERGER, CHARLES, B.S., M.D., Clinical Assistant Professor, *Emeritus*
 STONE, FRANK L., M.D., Clinical Assistant Professor, *Emeritus*
 BOLEY, MICHAEL H., B.S., M.D., Clinical Assistant Professor
 BOYSEN, HARRY, B.S., M.D., Clinical Assistant Professor (Rush)
 KLAWANS, ARTHUR H., B.S., M.D., Assistant Professor (Rush)
 KOBAK, ALFRED J., M.S., M.D., Clinical Assistant Professor
 LIVVENDAHL, RICHARD A., M.S., M.D., Clinical Assistant Professor
 PRIEST, FRED O., B.S., M.D., Clinical Assistant Professor (Rush)
 REZEK, GEORGE H., M.S., M.D., Clinical Assistant Professor
 ROOS, FREDERICK J., M.D., Clinical Assistant Professor
 SERED, HARRY, M.D., Clinical Assistant Professor
 WOLFF, JOHN R., M.S., M.D., Clinical Assistant Professor
 CAREY, CLAIR M., B.S., M.D., Clinical Associate
 DARO, AUGUST F., B.S., M.D., Clinical Associate
 DRAA, CECIL C., B.S., M.D., Clinical Associate (Rush)
 TETON, JOSEPH B., B.S., M.D., Clinical Associate
 WALSH, FRANK J., B.S., M.D., Clinical Associate
 AUSTIN, STEPHEN D., M.D., Instructor (one year from 7-1-50)²

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² Also Resident at Presbyterian Hospital.

BACON, ALFONS R., B.S., M.D., Clinical Instructor
 BAUM, HUGO C., B.S., M.D., Clinical Instructor (Rush)
 BENENSOHN, SOL J., B.S., M.D., Clinical Instructor
 BISSELL, SCHUYLER M., A.B., M.D., Instructor (one year from 7-1-50)¹
 BRAND, ASHLEY M., B.S., M.D., Clinical Instructor
 DeLEE, SOL T., M.S., M.D., Clinical Instructor
 GLENNER, ROBERT J., B.S., M.D., Clinical Instructor
 MOUZAKEOTIS, THEODORE C., B.S., M.D., Clinical Instructor
 NETTLES, JOHN B., B.S., M.D., Instructor²
 SMITH, C. OTIS, A.B., B.S., M.D., Clinical Instructor (3-1-50 to 8-31-50)
 SMITH, HAROLD E., B.S., M.D., Clinical Instructor
 ANGELL, JOSEPH S., M.D., Clinical Assistant (Rush)
 BONAR, BARNET E., A.B., M.D., Assistant (one year from 7-1-50)¹
 BREISTER, BENJAMIN W., M.D., Clinical Assistant (Rush)
 BRUMME, MARVIN R., B.S., M.D., Clinical Assistant
 CUNNINGHAM, THOMAS R., B.S., M.D., Clinical Assistant (Rush)
 FALLS, JOHN L., B.S., M.D., Assistant (one year from 7-1-50)²
 FUNNELL, JOSEPH W., A.B., M.D., Assistant (one year from 7-1-50)¹
 GOLLIN, HARVEY A., B.S., M.D., Clinical Assistant
 HACK, RUDOLF W., A.B., B.S., M.D., Assistant (one year from 7-1-50)¹
 KAUFMAN, JEROME D., M.D., Clinical Assistant
 LONG, JOHN S., M.D., Assistant (Rush)¹
 LUTZ, J. FREDERICK, B.S., M.D., Clinical Assistant (Rush)
 McDUGAL, THOMAS C., B.S., M.D., Clinical Assistant
 McLAUGHLIN, JOHN R., B.S., M.D., Assistant (one year from 7-1-50)¹
 MOYER, JOHN A., B.S., M.D., Clinical Assistant
 OLECK, ADRIAN R., B.S., M.D., Clinical Assistant
 OTTEN, MARY JANE, B.S., M.D., Assistant (one year from 7-1-50)²
 PETERSON, LOWELL F., B.S., M.D., Clinical Assistant (Rush)
 SYKORA, LAWRENCE J., M.D., Clinical Assistant
 SYLVESTER, E. BRADLEY, M.D., Assistant (one year from 7-1-50)²
 WELSH, DAVID R., B.S., M.D., Assistant (one year from 7-1-50)¹
 WHITLOCK, RICHARD F., B.S., M.D., Assistant

Ophthalmology

BROWN, EDWARD V. L., B.S., M.D., Clinical Professor (Rush), *Emeritus*
 DARLING, CHARLES G., M.D., Clinical Professor (Rush), *Emeritus*
 MONCREIFF, WILLIAM F., M.S., M.D., Clinical Professor (Rush)
 DONEGAN, JUSTIN M., M.D., Associate Professor (Rush)
 ALLEN, THOMAS D., A.B., M.D., Clinical Associate Professor (Rush)
 APPLE, CARL, B.S., M.D., Clinical Associate Professor
 FOWLER, EARLE B., B.S., M.D., Clinical Associate Professor (Rush)
 RISER, ROY O., B.S., M.D., Clinical Associate Professor
 THEOBALD, GEORGIANA D., M.D., Clinical Associate Professor and Clinical Pa-
 thologist
 CLARK, JAMES W., B.S., M.D., Clinical Assistant Professor
 COWEN, JACK P., B.S., M.D., Clinical Assistant Professor
 JACOBSON, MAX M., B.S., M.D., Clinical Assistant Professor (Rush)
 MCGARRY, H. ISABELLE, B.S., M.D., Clinical Assistant Professor
 PUSHKIN, EDWARD A., B.S., M.D., Clinical Assistant Professor
 SCHERIBEL, KARL J., B.S., M.D., Clinical Assistant Professor (Rush)
 ZEKMAN, THEODORE N., A.B., B.S., M.D., Clinical Assistant Professor
 FOX, NATHAN H., B.S., M.D., Clinical Associate
 LEECH, VERNON M., M.D., Clinical Associate (Rush)
 MAHER, DAVID B., A.B., M.D., Clinical Associate
 NETHERCUT, GLENWAY W., A.B., M.D., Clinical Associate
 ROSENBERG, WILLIAM, B.S., M.D., Clinical Associate
 SCHEFFLER, MILTON M., B.S., M.D., Clinical Associate

¹ Also Resident at Presbyterian Hospital.

² Also Resident at Research and Educational Hospitals.

SNYDACKER, DANIEL, M.D., Clinical Associate
 STERNBERG, PAUL, B.S., M.D., Clinical Associate
 BROOKS, ROOSEVELT, M.D., Clinical Instructor
 COX, FRED G., B.S., M.D., Clinical Instructor
 CRANE, CYRIL V., B.S., M.D., Clinical Instructor (Rush)
 FEINBERG, LOUIS, B.S., M.D., Clinical Instructor
 FORDON, LEONA R., B.S., M.D., Clinical Instructor
 GARNER, LAWRENCE, M.D., Clinical Instructor
 LEARSY, CHARLES A., M.D., Clinical Instructor (Rush)
 MUNDT, G. HENRY, JR., M.S., M.D., Clinical Instructor
 SCHULTZ, ABRAHAM, M.D., Clinical Instructor
 URIST, MARTIN, A.M., M.D., Clinical Instructor
 BARRETT, CHARLES V., M.D., Clinical Assistant
 FITZGERALD, GEORGE, M.D., Clinical Assistant
 MURPHY, ROBERT, M.D., Clinical Assistant (Rush)
 WONES, EDWARD, M.D., Clinical Assistant
 ABRAHAMSON, MARGARET, M.D., Assistant (one year from 7-1-50)¹
 BAYARD, WALTER L., M.D., Assistant (one year from 7-1-50)¹
 BERRY, FRANK D., M.D., Assistant (one year from 7-1-50)¹
 HANS, CLARENCE, M.D., Assistant (one year from 7-1-50)¹
 HOUGH, MAC J., M.D., Assistant¹
 HOWARD, H. CARLTON, M.D., Assistant (one year from 7-1-50)¹
 KILLIAN, CAMILLE, M.D., Assistant¹
 KINNEY, EDWARD J., M.D., Assistant (one year from 7-1-50)¹
 KISSLING, ARTHUR C., M.D., Assistant¹
 LAWSON, LAWRENCE, M.D., Assistant (one year from 7-1-50)¹
 McDONALD, JAMES E., M.D., Assistant¹
 PETERSON, JOHN W., M.D., Assistant
 QUINT, J. HARLEY, JR., M.D., Assistant (one year from 7-1-50)¹
 SCHALL, SAMUEL M., M.D., Assistant¹
 SPENCE, GEORGE, M.D., Assistant (one year from 7-1-50)¹
 TACKE, ARTHUR W., M.D., Assistant (Rush)²
 TENNENBAUM, ALBERT, M.D., Assistant (one year from 7-1-50)¹
 VALONE, RICHARD J., M.D., Assistant (one year from 7-1-50)¹
 WILDER, HOWARD, M.D., Assistant (one year from 7-1-50)¹
 WILSON, CHARLES, M.D., Assistant (Rush)
 CHOCK, PHILIP WAH HOU, M.D., Assistant¹

Orthopaedic Surgery

BERKHEISER, ELVAN J., A.B., M.D., Clinical Associate Professor (Rush)
 MURPHY, FRANK GEORGE, B.S., M.D., Clinical Associate Professor
 FARRINGTON, JOSEPH DAVIS, A.B., M.D., Clinical Assistant Professor
 MARSHALL, WILLIAM A., B.S., M.D., Clinical Assistant Professor
 MILLER, LEO F., B.S., M.D., Clinical Assistant Professor
 SHAPIRO, FRED, B.S., M.D., Clinical Assistant Professor
 TURNER, HORACE E., B.S., M.D., Clinical Assistant Professor
 GRIMMER, EVERETT A., D.D.S., Clinical Associate
 CRAIN, ALAN R., M.D., Instructor (7-1-50 to 1-1-51)³
 EICHELBAUM, KURT, M.D., Clinical Instructor
 JOFFE, HERMAN, M.S., M.D., Clinical Instructor
 LIDGE, RALPH T., B.S., M.D., Instructor (one year from 7-1-50)³
 VARZINO, LOUIS S., B.S., M.D., Clinical Instructor
 ADAMS, RAYMOND J., B.S., M.D., Assistant (one year from 7-1-50)³
 APFELBACH, HENRY W., M.D., Assistant (one year from 7-1-50)³
 BUCKMASTER, ROBERT E., B.S., M.D., Assistant (one year from 7-1-50)³
 DICKINSON, PHILIP H., M.D., Assistant (one year from 7-1-50)³

¹ Also Resident at Research and Educational Hospitals and Illinois Eye and Ear Infirmary.

² Also Resident at Presbyterian Hospital.

³ Also Resident at Research and Educational Hospitals.

Otolaryngology

HOLLENDER, ABRAHAM R., M.S., M.D., Professor, *Emeritus*
 HAYDEN, DANIEL B., A.M., M.D., Clinical Professor (Rush), *Emeritus*
 THEOBALD, WALTER H., B.S., M.D., Clinical Associate Professor
 VAN ALYEA, OLIVER E., M.D., Clinical Associate Professor
 WATKINS, RICHARD W., B.S., M.D., Clinical Associate Professor (Rush)
 ANDREWS, ALBERT H., JR., M.S., M.D., Clinical Assistant Professor of Broncho-
 esophagology
 CHAINSKI, EDWARD, M.D., Clinical Assistant Professor
 FABRICANT, NOAH D., M.S., M.D., Clinical Assistant Professor
 FOX, NOAH, B.S., M.D., Clinical Assistant Professor
 FRIEDBERG, STANTON A., A.B., M.D., Clinical Assistant Professor (Rush)
 LEWIS, G. KENNETH, B.S., M.D., Clinical Assistant Professor
 LEWY, ROBERT B., B.S., M.D., Clinical Assistant Professor
 LIVINGSTON, GEORGE S., M.S., M.D., Clinical Assistant Professor
 MORWITZ, SAMUEL M., B.S., M.D., Clinical Assistant Professor
 SCOTT, GORDON H., M.D., Clinical Assistant Professor (Rush)
 SHAPIRO, SHERMAN L., B.S., M.D., Clinical Assistant Professor
 SPIESMAN, IRWIN G., B.S., M.D., Clinical Assistant Professor
 WALLNER, LINDEN J., B.S., M.D., Clinical Assistant Professor (Rush)
 WOJNIAK, FRANK, M.D., Clinical Assistant Professor (Rush)
 BECKER, OSCAR J., M.D., M.S., Clinical Associate
 BLUMKLOTZ, BRUNO, M.D., Clinical Associate
 COOMBS, ARTHUR J., A.B., M.D., Clinical Associate
 GREENE, LOIS D., A.B., M.D., Clinical Associate
 HENNER, ROBERT, B.S., M.D., Clinical Associate
 JOHNSTON, KENNETH C., B.S., M.D., Clinical Associate in Bronchoesophagology
 LESHIN, NORMAN, B.S., M.D., Clinical Associate
 PISZKIEWICZ, FRANK, B.S., M.D., Clinical Associate
 SATZ, LEO A., B.S., M.D., Clinical Associate
 SAVITT, LOUIS, M.D., Clinical Associate
 SINGH, HARKISHEN, D.M.D., M.D., Clinical Associate
 BLUMENTHAL, HELMUT, M.D., Clinical Instructor
 BUCKINGHAM, RICHARD, M.D., Clinical Instructor
 CUTLER, MAX H., B.S., M.D., Clinical Instructor
 FRIEDMAN, ELMER A., B.S., M.D., Clinical Instructor
 HOELTGEN, MAURICE M., B.S., M.D., Clinical Instructor
 HORWITZ, IRWIN D., B.S., M.D., Clinical Instructor
 MATZKIN, LLOYD L., B.S., M.D., Clinical Instructor
 PELLETTIERE, EDMUND V., B.S., M.D., Clinical Instructor
 POLLOCK, FREDRIC J., B.S., M.D., Clinical Instructor
 SOBOROFF, BURTON J., B.S., M.D., Clinical Instructor
 SPRINGER, KURT, M.D., Clinical Instructor (Rush)
 GUEMMER, GERALD E., A.B., M.D., Clinical Assistant (Rush)
 LOEWY, ARTHUR, M.S., M.D., Clinical Assistant
 NIANICK, LEONARD M., B.S., M.D., Clinical Assistant
 WEIDEMANN, JOHN A., B.S., M.D., Clinical Assistant
 BERGENDAHL, EMIL, M.D., Assistant
 GOLDWARE, ROSS R., B.S., M.D., Assistant
 KREJCA, FRANK, M.D., Assistant
 KUCERA, WILLIAM, M.D., Assistant
 KUDOLLA, CHARLES, M.D., Assistant
 KWAPISZEWSKI, HERBERT, M.D., Assistant
 McMAHON, ROBERT J., A.B., M.D., Assistant
 MARTINUCCI, AUGUST, M.D., Assistant
 ORRICO, JOSEPH, M.D., Assistant
 SALE, CHARLES, M.D., Assistant
 SCHILLER, FILMORE, M.D., Assistant
 SCHMIDT, JAY, M.D., Assistant

SOKOLSKY, IRVING, M.D., Assistant
 STEADMAN, MONTE G., B.S., M.D., Assistant
 WEISMAN, EDWARD, M.D., Assistant

Pathology

HASS, GEORGE M., M.D., Professor (Rush)
 SAPHIR, OTTO, M.D., Clinical Professor
 WEINMANN, JOSEPH P., M.D., Professor of Oral Pathology
 CAHN-BRONNER, CHARLES E., M.D., Professorial Lecturer
 KING, LESTER S., M.D., Clinical Associate Professor
 KEARNS, JERRY J., M.D., Clinical Assistant Professor
 LEARNER, AARON, M.D., Clinical Assistant Professor
 MASON, COYE C., M.D., Clinical Assistant Professor
 PIRANI, CONRAD L., M.D., Clinical Assistant Professor
 RAGINS, ALEX B., M.D., Clinical Assistant Professor
 TAYLOR, CHARLES B., M.D., Assistant Professor (Rush)
 PARMACEK, LOUIS, M.D., Clinical Associate
 MULLANEY, JAMES T., LL.B., Lecturer in Legal Medicine
 ALEXANDER, MARSHALL O., M.D., Clinical Instructor
 BROWN, H. IVAN, M.D., Clinical Instructor
 DENKO, JOHN V., M.D., Instructor (one year from 7-1-50)
 GRIMM, HAROLD A., M.D., Clinical Instructor
 HIRSCH, FRANZ E., M.D., Clinical Instructor
 HOFFMAN, ROBERT V., JR., M.D., Instructor (one year from 7-1-50)
 MALONEY, JOHN E., M.D., Clinical Instructor
 SCHWEITZER, ALBERT W., M.D., Instructor (Rush)
 TESLUK, HENRY, M.D., Instructor (Rush)
 THOMPSON, JAMES R., M.D., Clinical Instructor
 VAWTER, GORDON F., M.D., Instructor (Rush)
 WILSON, HUGH, M.D., Clinical Instructor
 ANDRESEN, RICHARD H., M.D., Research Assistant (Rush)
 COX, THOMAS R., JR., M.D., Assistant¹
 DALLENBACH, FREDERICK D., M.D., Assistant (one year from 7-1-50)²
 KELLY, FRANK B., JR., Research Assistant (Rush)
 ZIENTEK, RALPH J., M.D., Assistant (one year from 7-1-50)²

Pediatrics

GRULEE, CLIFFORD, A.M., LL.D., M.D., Clinical Professor (Rush), *Emeritus*
 HOYNE, ARCHIBALD L., A.B., B.S., M.D., Clinical Professor (Rush), *Emeritus*
 MCCULLOCH, HUGH, M.D., Professorial Lecturer
 BUTLER, CRAIG D., B.S., M.D., Clinical Associate Professor (Rush)
 KOBES, HERBERT R., A.B., M.D., Clinical Associate Professor
 STULIK, CHARLES K., Ph.G., Ph.C., B.S., M.D., Clinical Associate Professor (Rush)
 BOENING, ANNE, A.B., M.D., Clinical Assistant Professor (Rush)
 BOWER, LESTER E., A.B., M.D., Clinical Assistant Professor
 GASUL, BENJAMIN M., M.S., M.D., Clinical Assistant Professor
 HALPERN, LOUIS J., B.S., M.D., Clinical Assistant Professor
 HARRISON, C. JACK, B.S., M.D., Clinical Assistant Professor (Rush)
 HOFFMAN, SAMUEL J., B.S., M.D., Clinical Assistant Professor
 KAGAN, BENJAMIN M., A.B., M.D., Clinical Assistant Professor
 LEICHENGER, HARRY, B.S., M.D., Clinical Assistant Professor
 LEVINSON, SIDNEY O., B.S., M.D., Clinical Assistant Professor
 PACHMAN, DANIEL O., A.B., M.D., Clinical Assistant Professor
 SALTIEL, THOMAS P., B.S., M.D., Clinical Assistant Professor
 SHAW, NOEL G., A.B., M.D., Clinical Assistant Professor (Rush)
 LEWISON, MATTHEW M., B.S., M.D., Clinical Associate (Rush)
 BARATZ, J. JOSEPH, B.S., M.D., Clinical Instructor
 BRESLOW, LAWRENCE, A.B., M.D., Clinical Instructor
 DAMMERS, WARREN R., B.M., M.D., Clinical Instructor (Rush)

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² Also Resident at Research and Educational Hospitals.

DESSERT, ROBERT A., B.S., M.D., Clinical Instructor
DITKOWSKY, SOL, B.S., M.D., Clinical Instructor
LANDER, HERMAN B., B.S., M.D., Clinical Instructor
RICHTER, IRVING B., B.S., M.D., Clinical Instructor
STEIN, A. F., B.S., M.D., Clinical Instructor
WEHRLE, PAUL F., B.S., M.D., Clinical Instructor
WELFORD, NORMAN T., M.D., Clinical Instructor
WOLF, A. A., B.S., M.D., Clinical Instructor
SHMIGELSKY, IRENE, M.D., Clinical Instructor
DARROW, RUTH, A.B., M.D., Clinical Assistant (Rush)
JACKSON, MILDRED R., M.S., M.D., Clinical Assistant
LERNER, ISADORE, M.D., Clinical Assistant
NAGEL, HARRY T., M.D., Clinical Assistant (Rush)
EDDY, EVELYN, M.D., Assistant

Pharmacology

SCHIFFRIN, MILTON J., Ph.D., Lecturer
VAN WINKLE, WALTON, JR., M.D., Professorial Lecturer

Physiology

CRANDALL, LATHAN A., JR., Ph.D., M.D., Professorial Lecturer
HOFFMAN, WILLIAM S., Ph.D., M.D., Professorial Lecturer
MARBARGER, JOHN P., Ph.D., Associate Professor
MCCULLOCH, WARREN S., A.M., M.D., Professor
GUILLEMIN, VICTOR, JR., Ph.D., Professor of Biophysics

Preventive Medicine

ROSENTHAL, SOL R., M.D., Associate Professor
HULL, THOMAS G., Ph.D., Assistant Professor
PRESS, EDWARD, M.D., Assistant Professor

Public Health

DOVE, W. FRANKLIN, Ph.D., Research Associate
PISZCZEK, EDWARD A., M.D., M.P.H., Associate Professor
KLASSEN, CLARENCE W., B.S., Assistant Professor
MCDANIELS, HERBERT E., Ph.D., Assistant Professor
MORSE, KENNETH M., M.S., Assistant Professor

Psychiatry

HAMILL, RALPH C., Ph.D., M.D., Clinical Professor (Rush), *Emeritus*
HOFFMAN, HARRY R., B.S., M.D., Clinical Associate Professor (Rush)
MOHR, GEORGE J., B.S., M.D., Clinical Associate Professor
MORRISON, DONALD A. R., B.S., M.D., Clinical Associate Professor (Rush)
SOLOMON, ALFRED P., A.B., M.D., Clinical Associate Professor
BRAUDE, MORRIS, M.D., Clinical Associate Professor (Rush), *Emeritus*
BRODER, SAMUEL B., M.D., M.S., Clinical Assistant Professor
KRAINES, SAMUEL, B.S., M.D., Clinical Assistant Professor
PASKIND, JACOB, M.D., Clinical Assistant Professor
FLEMING, JOAN, A.M., M.D., Clinical Assistant Professor (Rush)
GYARFAS, KALMAN, M.D., Clinical Assistant Professor
MCMILLAN, ROBERT G., M.D., Clinical Assistant Professor
MEEHAN, MARJORIE, M.D., Clinical Assistant Professor (Rush)
NOVICK, RUDOLPH, M.D., Clinical Assistant Professor
PASCHKES, ERICH, M.D., Clinical Assistant Professor
SLOMAN, SOPHIE SCHROEDER, B.S., M.D., Clinical Assistant Professor
SONENTHAL, ISRAEL R., M.D., M.S., Clinical Assistant Professor
TALBOTT, RALPH, M.D., Clinical Assistant Professor (Rush)
WEATHERLY, HOWARD E., A.B., M.D., Clinical Assistant Professor
WEINBERG, JACK, M.D., Clinical Assistant Professor
WRIGHT, DONOVAN G., M.D., Clinical Assistant Professor

BELINSON, LOUIS, M.D., Clinical Instructor
 BROMBERG, MRS. RUTH L., M.S., Instructor and Clinical Psychologist
 COOKE, PAULINE, M.D., Instructor (Rush)
 HARMAN, DAVID, M.D., Clinical Instructor
 HOLLENDER, MARC, B.S., M.D., Clinical Instructor
 LIEBMAN, SAMUEL, M.D., Clinical Instructor
 RAISBECK, ALDEN, A.B., M.D., Clinical Instructor
 ROSENTHAL, MORRIS, M.D., Clinical Instructor
 STEPHENSON, WAYLAND A., M.D., Clinical Instructor
 TEPLITZ, ZELDA, M.D., Clinical Instructor
 VICTOR, SAMUEL, M.D., Clinical Instructor
 WEISDORF, WILLIAM, M.D., Clinical Instructor
 NORMAN, EDWARD C., M.D., Clinical Instructor
 BLOCK, BERNARD, Ph.D., M.D., Instructor (until December 31, 1950)
 LORIMER, FRANK MARTIN, M.D., Research Assistant
 GALVIN, JAMES A., M.D., B.S., Clinical Teaching Assistant
 LONGINI, JOAN, M.D., Ph.D., Assistant
 POLLOCK, GEORGE, Ph.D., Assistant
 DEVLIN, WILLIAM J., Ph.D., M.D., Assistant
 BERNSTEIN, MYRTLE L., M.S., M.D., Assistant
 ALTSCHUL, SOL, M.S., M.D., Assistant
 ROBERTSON, ROBERT, B.S., M.D., Assistant
 LEVINE, ROBERT, B.S., M.D., Assistant

Radiology

BEILIN, DAVID S., B.S., M.D., Clinical Assistant Professor
 BRAUN, BENJAMIN D., A.B., B.S., M.D., Clinical Assistant Professor
 CLARK, JOHN W., M.D., Clinical Assistant Professor (Rush)
 LEADER, SAMUEL A., B.S., M.D., Clinical Assistant Professor
 SLOBODIN, HARRY, A.B., M.D., Clinical Assistant Professor
 WILSON, AUDREY L., B.S., M.D., Clinical Assistant Professor
 CLARK, CARL E., M.D., Clinical Instructor¹
 IRISH, KEITH R., B.S., M.D., Clinical Instructor
 PANTONE, ANTON M., B.S., M.D., Clinical Instructor¹
 STARKMAN, NATHAN, M.D., Clinical Instructor
 STETSON, LAWRENCE J., B.S., M.D., Clinical Instructor
 ANDERSON, JOHN R., M.D., Assistant¹
 FRANCKE, PAUL, JR., M.D., Clinical Assistant (Rush)²
 FRANCKE, WALTER, M.D., Clinical Assistant (Rush)²
 GARRISON, HUGH, Assistant¹
 HEWITT, JOHN M., B.S., M.D., Clinical Assistant (Rush)²
 JUDY, WILLIAM S., B.S., M.D., Clinical Assistant¹

Surgery

DAVID, VERNON C., A.B., M.D., Professor (Rush), *Emeritus*
 DAVIS, CARL B., M.D., Professor (Rush), *Emeritus*
 MCARTHUR, SELIM W., Ph.B., M.D., Professor, *Emeritus*
 PERCY, NELSON M., M.D., Professor, *Emeritus*
 SPEED, KELLOGG, B.S., M.D., Professor (Rush), *Emeritus*
 VAUGHAN, ROGER T., Ph.B., M.D., Professor (Rush), *Emeritus*
 BAKER, HILLIER L., B.S., M.D., Clinical Professor (Rush)
 BAMBERGER, ARRIE, B.S., M.D., Clinical Professor
 MILLER, EDWIN M., A.B., M.D., Clinical Professor (Rush)
 NADEAU, OSCAR E., B.S., M.D., Clinical Professor
 STRAUS, FRANCIS H., B.S., M.D., Clinical Professor (Rush)
 FELL, EGBERT H., A.B., M.D., Clinical Associate Professor (Rush)
 GILCHRIST, RICHARD K., B.S., M.D., Clinical Associate Professor (Rush)
 GREELEY, PAUL W., A.B., M.D., Clinical Associate Professor
 GUY, CHESTER C., B.S., M.D., Clinical Associate Professor

¹ Also Resident at Research and Educational Hospitals.

² Also Resident at Presbyterian Hospital.

HAZLETT, WILLIAM H., M.D., Clinical Associate Professor
 JENKINS, HILGER P., B.S., M.D., Clinical Associate Professor
 JIRKA, FRANK J., M.D., Clinical Associate Professor
 KOUCKY, JOHN D., M.S., M.D., Clinical Associate Professor
 LAWTON, STANLEY E., B.S., M.D., Clinical Associate Professor (Rush)
 LYON, WILL F., A.B., M.D., Clinical Associate Professor
 McMILLAN, FOSTER L., B.S., M.D., Clinical Associate Professor
 ODEN, RUDOLPH J. E., A.B., M.D., Associate Professor, *Emeritus*
 SCHULTZ, LOUIS W., D.D.S., B.S., M.D., Clinical Associate Professor of Oral

Surgery

SCUDERI, CARLO S., M.D., Ph.D., Clinical Associate Professor
 SEED, LINDON, M.S., M.D., Clinical Associate Professor
 SPIVACK, JULIUS L., M.D., LL.D., Clinical Associate Professor
 PROHASKA, JOHN VAN, B.S., M.D., Clinical Associate Professor
 ALMQUIST, CARL O., B.S., M.D., Clinical Assistant Professor
 BRANCH, CHARLES D., A.B., M.D., Clinical Assistant Professor
 BROWN, C. DAVID, B.S., M.D., Clinical Assistant Professor
 DIFFENBAUGH, WILLIS G., B.S., M.D., Clinical Assistant Professor
 DIGGS, ARTHUR E., A.B., M.D., Clinical Assistant Professor (Rush)
 DORSEY, JOHN M., B.S., M.D., Clinical Assistant Professor (Rush)
 GARSIDE, EARL, M.D., M.S., Clinical Assistant Professor
 JOANNIDES, MINAS, M.S., M.D., Clinical Assistant Professor
 JULIAN, ORMAND C., M.D., Ph.D., Clinical Assistant Professor
 MONROE, CLARENCE, B.S., M.D., Clinical Assistant Professor (Rush)
 OLWIN, JOHN, A.B., M.D., Clinical Assistant Professor (Rush)
 PARKER, MORRIS L., B.S., M.D., Clinical Assistant Professor
 PICK, JOHN F., B.S., M.D., Clinical Assistant Professor
 ROTH, HAROLD A., B.S., M.D., Clinical Assistant Professor
 SARNAT, BERNARD G., M.D., D.D.S., M.S., Clinical Assistant Professor of Oral

Surgery

SHAMBAUGH, PHILIP, A.B., M.D., Clinical Assistant Professor
 STROHL, EVERETT L., M.D., M.S., Clinical Assistant Professor
 THOREK, PHILIP, B.S., M.D., Clinical Assistant Professor
 MEYER, HAROLD I., M.D., M.S., Clinical Assistant Professor
 THEIS, FRANK V., M.D., Clinical Assistant Professor (Rush)
 GREEN, RAYMOND, B.S., M.D., Clinical Associate
 MISHKIN, HERMAN L., B.S., M.D., Clinical Associate
 DAVIS, CARL B., JR., A.B., M.D., Clinical Instructor (Rush)
 DEPEYSTER, FREDERIC A., A.B., M.D., Clinical Instructor (Rush)
 EASTMAN, WARD H., B.S., M.D., Clinical Instructor
 EVERSON, TILDEN C., A.B., M.D., Clinical Instructor
 HANSELMAN, RUSSELL C., Ph.D., M.D., Clinical Instructor (Rush)
 HANSON, JOHN O., B.S., M.D., Clinical Instructor
 HARDT, HARRY G., JR., B.S., M.D., Clinical Instructor
 JANSIK, ROBERT J., M.S., M.D., Clinical Instructor
 KILBOURNE, BURTON, M.D., Clinical Instructor
 LOOBY, WILLIAM E., B.S., M.D., Clinical Instructor
 MEYER, ROBERT P., B.S., M.D., Instructor (Rush) (one year from 7-1-50)¹
 SCHREY, EDWARD L., B.S., M.D., Clinical Instructor
 SOUTHWICK, HARRY, B.S., M.D., Instructor²
 AMBROSE, ROBERT H., B.S., M.D., Assistant (Rush) (one year from 7-1-50)¹
 AUTEN, DONALD S., B.S., M.D., Assistant²
 BERMAN, EDWARD J., A.B., M.D., Assistant (Rush)¹
 BROWN, ARNOLD L., JR., M.D., Assistant (Rush) (one year from 7-1-50)¹
 BROWN, ROGER W., A.B., M.D., Assistant (Rush) (one year from 7-1-50)¹
 CROSS, JAMES H., A.B., M.D., Clinical Assistant
 ECONOMOU, STEVEN G., A.B., M.D., Assistant (Rush) (one year from 7-1-50)¹
 EHRLICH, ROBERT W., B.S., M.D., Assistant (Rush)¹
 GROVE, WILLIAM J., M.S., M.D., Clinical Assistant (one year from 7-1-50)
 HAMLIN, HOWARD M., A.B., B.S., M.D., Clinical Assistant (Rush)

¹ Also Resident at Presbyterian Hospital.² Also Resident at Research and Educational Hospitals.

HARRIS, JACKSON, A.B., M.D., Assistant (Rush) (one year from 7-1-50)¹
 HILL, EDWARD J., JR., A.B., M.D., Clinical Assistant
 JAVID, HUSHANG, M.D., Assistant²
 JOHNSON, FRANK R., B.S., M.D., Assistant (Rush)¹
 JOHNSTON, ROBERT J., B.S., M.D., Assistant¹
 KOSTRUBALA, JOSEPH G., B.S., D.D.S., M.D., M.D.S., Clinical Assistant
 LASNER, JACK, B.S., M.D., Clinical Assistant
 LAWS, JOHN F., B.S., M.D., Assistant (one year from 7-1-50)¹
 MELLIS, RICHARD T., M.D., Assistant (Rush) (one year from 7-1-50)²
 MILROY, JOHN J., B.S., M.D., Clinical Assistant (Rush)
 MOSSEY, RICHARD O., M.D., Assistant (Rush)²
 O'KANE, CALVIN R., M.D., Assistant (Rush)²
 RAINEY, ROBERT, B.S., M.D., Assistant (Rush) (one year from 7-1-50)²
 SCHEIBE, JOHN R., M.D., A.M., M.S., Clinical Assistant
 TERRY, JOHN H., A.B., M.D., Assistant (Rush) (one year from 7-1-50)²
 TREMAINE, MYRON J., M.B., M.D., M.S., Clinical Assistant
 WERELIUS, CARL Y., B.S.M., M.D., Clinical Assistant
 WILKINS, WALTER J., JR., M.D., Assistant (Rush)¹
 WILLIAMS, JOHN I., B.S., B.M., M.D., Assistant (Rush) (one year from 7-1-50)¹

Division of Urology

HERBST, ROBERT H., M.D., Professor (Rush), *Emeritus*
 KRETSCHMER, HERMAN L., Ph.G., M.D., Professor (Rush), *Emeritus*
 HECKEL, NORRIS J., A.B., M.D., Clinical Professor (Rush)
 BUCKMAN, EDWARD, B.S., M.D., Clinical Associate Professor (Rush)
 MERRICKS, JAMES W., JR., A.B., B.S., M.D., Clinical Associate Professor (Rush)
 BAUMRUCKER, GEORGE O., B.S., M.D., Clinical Assistant Professor
 COTTRELL, THOMAS, M.D., Clinical Assistant Professor (Rush)
 RITCH, COLQUITT O., B.S., M.D., Clinical Assistant Professor
 RUDNICK, DORRIN F., B.S., M.D., Clinical Assistant Professor
 SCHACHT, FREDERICK, B.S., M.D., Clinical Assistant Professor
 DRABANSKI, JOSEPH S., B.S., M.D., Clinical Associate
 GAINES, REUBEN B., A.B., M.D., Clinical Instructor (Rush)
 RIEGER, IRWIN T., B.S., M.D., Instructor (Rush) (one year from 7-1-50)¹
 BAYLOR, JOHN E., A.B., B.M., M.D., Clinical Assistant (Rush)
 COTTRELL, THOMAS L. C., JR., B.S., M.D., Assistant (Rush) (one year from 7-1-50)¹
 ROSSO, WAYMAR A., B.S., M.D., Assistant (Rush) (one year from 7-1-50)¹
 STIKA, EDWARD A., M.D., Assistant (Rush) (one year from 7-1-50)¹

Division of Anesthesia

LYONS, MARY M., M.D., Clinical Associate Professor (Rush)
 CURRY, GORDON W., B.S., M.D., Clinical Assistant Professor (Rush)
 GITTELSON, LLOYD A., M.D., M.S., Clinical Assistant Professor
 KRETSCHMER, H. E., Clinical Assistant Professor
 HALL, BETTY T., B.S., B.M., M.D., Clinical Instructor (Rush)
 ROBERTS, GEORGE, A.B., B.S., M.D., Clinical Instructor (Rush)
 SMITH, ELIZABETH J., A.B., M.D., Clinical Instructor (Rush)
 STAFFORD, WILMA C., B.S., M.D., Clinical Instructor (Rush)
 DE LIRA JIMENEZ, RUBEN, B.S., M.D., Assistant (Rush) (one year from 7-1-50)¹
 KAHAN, PAUL, B.S., M.D., Assistant (one year from 7-1-50)²
 LOPEZ, ROBERTO G., M.D., Assistant (one year from 7-1-50)²
 RABELO MARTIN, JOHN, B.A.S., M.D., Assistant (one year from 7-1-50)¹
 NELSON, JOHN T., B.M., M.D., Assistant²
 RODRIGUEZ, DOUGLAS D., B.S., M.D., Assistant (Rush)¹
 SEN, ARUN K., A.B., I.Sc., M.B., Assistant²
 TENNANT, MAURICE M., B.S., M.D., Assistant (Rush) (one year from 7-1-50)²
 WEISS, KENNETH S., B.M., M.D., Assistant²

On motion of Dr. Meyer, these appointments were approved.

¹ Also Resident at Presbyterian Hospital.

² Also Resident at Research and Educational Hospitals.

ADVISORY COMMITTEE FOR THE COLLEGE OF VETERINARY MEDICINE

(3) The Dean of the College of Veterinary Medicine recommends the appointment of the following to the Advisory Committee of that College for one year beginning September 1, 1950:

C. E. DILLE, Cairo
WAYNE DINSMORE, Chicago
C. C. HASTINGS, Williamsville
J. B. JAFFRAY, Chicago
G. W. JENSEN, Antioch
DELBERT H. KINGSTON, Cary

A. A. LEGNER, Sandwich
OSCAR LINN, Canton
R. V. MCKEE, Varna
R. A. THOMPSON, Clinton
H. P. WESSELS, Geneva

I concur.

On motion of Mr. McLaughlin, these appointments were approved.

APPOINTMENT OF BUSINESS MANAGER OF THE ATHLETIC ASSOCIATION

(4) The Board of Directors of the Athletic Association has appointed Mr. Henry F. Thornes, Assistant Bursar in the Business Office of the University, as Business Manager of the Athletic Association, effective September 1, 1950, at an annual salary of \$6,600. Mr. Thornes will continue to serve as Assistant Bursar on one-tenth time during the year beginning September 1, 1950, and will serve as Business Manager of the Association on nine-tenths time. The Association will pay \$6,000 of his salary and the University, \$600. After September 1, 1951, Mr. Thornes will be on full time with the Athletic Association.

I recommend that the action of the Board of Directors be confirmed.

On motion of Mr. Livingston, this appointment was confirmed.

FEE FOR SCHOOL CHILDREN PARTICIPATING IN PRACTICE TEACHING COURSE IN PHYSICAL EDUCATION

(5) The Committee on Fees and Scholarships recommends establishment of a new fee of \$6.00 a semester to be charged elementary school children accepted for enrollment, in order of their application, in a practice teaching course, Rhythmic Activities for Children (P.E.W. 243) offered by the Department of Physical Education for Women to give prospective teachers practice teaching experience in this specialty.

I concur.

On motion of Mr. Fornof, this fee was authorized.

REAPPROPRIATION OF ADDITIONAL UNEXPENDED BALANCES

(6) The Comptroller recommends that the following unexpended balances in appropriations by the Board of Trustees for the fiscal year 1949-1950 for services and projects not completed as of June 30, 1950, be reappropriated for the fiscal year beginning July 1, 1950. (These are in addition to the reappropriations approved by the Board on July 25, 1950.)

Urbana-Champaign

Agronomy — special equipment.....	\$ 3 526
Physics — special equipment.....	3 500
Prevailing wage rate increases.....	131 558
Auditorium — organ console.....	644
Zoology — animal sheds.....	1 664
<i>Total Urbana-Champaign.....</i>	<i>(140 892)</i>

Chicago Professional Colleges

Research and Educational Hospitals.....	1 209
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Chicago Undergraduate Division

Physical Plant.....	2 025
<i>Grand Total.....</i>	<i>\$144 126</i>

I concur.

On motion of Mr. Hickman, these balances were reappropriated, as recommended, by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Nickell, Mr. Stevenson.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(7) The Committee on Nonrecurring Appropriations recommends assignments of funds for the following purposes:

Urbana-Champaign

- | | |
|---|----------|
| 1. Furniture and equipment, Institute of Government and Public Affairs..... | \$ 3 377 |
| 2. Remodeling, improvements, and relocation of offices in Illini Hall and in the Administration Building..... | 100 000 |
| 3. Replacement of roofs, George Huff Gymnasium, Ceramics Building, and Administration Building (East)..... | 78 160 |
| 4. Remodeling Davenport House for the Health Service..... | 3 200 |

Chicago Professional Colleges

- | | |
|--|------------------|
| 5. Coding of medical records..... | 4 000 |
| <i>Total from General Reserve Fund.....</i> | <i>(188 737)</i> |
| 6. Microscopes, Department of Medicine..... | 5 800 |
| 7. Infrared spectrophotometer, Department of Biological Chemistry..... | 5 500 |
| 8. Purchase and installation of equipment, Department of Bacteriology..... | 23 350 |
| <i>Total from State Appropriations for Buildings, Equipment, and Other Capital Improvements.....</i> | <i>(34 650)</i> |
| <i>Grand Total.....</i> | <i>\$223 387</i> |

It is recommended that assignments for Items 1 to 5, inclusive, be made from the General Reserve Fund and that the others be made from state appropriations for buildings, equipment, and other capital improvements, subject to the release of funds by the Governor.

I concur.

These proposed improvements have been carefully studied by the Committee on Nonrecurring Appropriations. Reports of the Committee, giving details on each item, are submitted herewith.

On motion of Dr. Meyer, these appropriations were made, as recommended, by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Nickell, Mr. Stevenson.

RELEASE OF FUNDS FOR BUILDINGS AND OTHER CAPITAL IMPROVEMENTS

(8) The Governor has approved the following releases of funds from appropriations made to the University of Illinois for 1949-1951 for buildings and other capital improvements.

Release No. 38

"For Permanent Improvements at Chicago—Construction of utility distribution system and remodeling of existing buildings"..... \$22 400
 This is a partial release from an appropriation of \$190,000. The Governor has previously released (Releases Nos. 10, 26, 28, and 35) \$87,792 from this appropriation and also (Release No. 21) \$97,790 from the appropriation of \$550,000 for "Contingencies" for the remodeling of quarters for the Department of Biological Chemistry in the Dentistry, Medicine, and Pharmacy Building in Chicago and the extension of the electrical distribution system. The funds now released are for remodeling structures, owned by the Univer-

sity, on West Taylor Street in Chicago to provide additional office space in the Physical Plant Department and the architectural office and to provide a location for the paint shop that has to be moved due to the construction of the hospital addition.

Release No. 39

"For Permanent Improvements at Urbana-Champaign — Construction of extensions to the Utility Distribution Systems"..... \$41 000
This is a partial release from an appropriation of \$375,000. The Governor has previously released (Releases Nos. 12 and 37) \$150,000 from this appropriation for architectural and engineering services in connection with this project, modernization of transformer vaults at Davenport Hall and Natural History Building, equipment and miscellaneous work incidental to construction of the Animal Sciences Laboratory and the Veterinary Medicine Building, and supplemental labor. The funds now released are for the construction of concrete duct runs as part of the extension of the utility distribution system.

Release No. 40

"For Equipment for Buildings at Urbana-Champaign and Chicago".... \$22 250
This is a partial release from an appropriation of \$680,000. The Governor has previously released (Releases Nos. 2 and 18) \$112,353.65 from this appropriation. The funds now released are for the purchase of a Tiselius electrophoresis apparatus for the College of Medicine and dental chairs for the College of Dentistry.

I recommend that these funds be appropriated by the Board for the purposes indicated.

On motion of Mr. McLaughlin, these funds were appropriated, as recommended, by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Nickell, Mr. Stevenson.

ADDITIONAL MEN'S RESIDENCE HALL UNIT

(9) It is recommended as the initial step in the expansion of permanent housing facilities for undergraduate men to construct a residence for 240 students immediately south of the present Men's Residence Hall. The structure proposed would provide barracks-type housing, which could be made available to students at a cost less than is required in the conventional type of residence halls, and it would not include food service facilities. A preliminary estimate of the cost of such a building is \$558,000. It can be financed in part by a bond issue but will require an appropriation of \$198,000.

To complete the studies of this project, the Director of the Physical Plant and the Comptroller recommend award of a contract to Skidmore, Owings, and Merrill, architects, Chicago, for architectural services at a fee of 6 per cent of the cost of the construction work for which they prepare the plans and specifications, plus the travel and living expenses of a resident superintendent while on the job.

I concur in this general program and recommend further that:

1. The proposed project be approved in principle subject to final approval after plans have been completed and bids taken.
2. The Comptroller and the Secretary of the Board be authorized to execute this contract with Skidmore, Owings, and Merrill on the basis of 6 per cent of the construction cost for complete architectural services, the full amount to be payable only if the project goes to completion.
3. An appropriation of \$27,000 be made from the General Reserve Fund for the cost of this architectural contract to the point of taking bids; this appropriation will provide for payment of 75 per cent of the total architects' fee and such costs as will be incurred by the Physical Plant Department.

On motion of Mrs. Watkins, these recommendations were approved, and an appropriation of \$27,000 was made from the General Reserve Fund for architectural services, by the following vote: Aye, Mr. Forno, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Nickell, Mr. Stevenson.

CONTRACTS FOR MINOR ALTERATIONS

(10) During the period July 1, 1946, to June 30, 1949, the Board of Trustees approved on a year-to-year basis a procedure on cost-plus contracts for minor alterations and remodeling in the Urbana-Champaign Division. The work under the contracts was initiated on individual order by the Physical Plant Department, approved by the Comptroller within Board appropriations for jobs which were so small or of such a character as to make competitive bidding impractical, and not exceeding \$5,000.

The procedure was discontinued beginning July 1, 1949, because it was anticipated that the majority of the small jobs could be done by University labor. It has been found that this can not be done without serious work omissions elsewhere, and the Director of the Physical Plant and the Comptroller recommend the return to the above procedure for the year 1950-1951. The handling of such remodeling on cost-plus contracts has the advantage of permitting immediate initiation of work after the Board has approved the appropriations and eliminates the need for more involved drawings and specifications required in connection with fixed small bids.

The Director of the Physical Plant recommends the award of the following cost-plus contracts based on competitive bids (schedule attached) for the year 1950-1951 with no orders being placed under these contracts after June 30, 1951, and all alterations for specific projects to be handled in accordance with the above procedure:

General work — E. N. DeAtley Company, Champaign, and Clarence Siems Company, Urbana

Plumbing and heating work — Reliable Plumbing and Heating Company, Champaign, and E. M. Hays Plumbing and Heating Company, Champaign

Electrical work — Anderson Electric Company, Danville, and Square Deal Electric Company, Urbana

Ventilating work — Schroeders' Ventilating Company, Champaign

I concur in this recommendation and request that the Comptroller and the Secretary of the Board be authorized to execute these contracts and that the Comptroller report regularly to the Board all projects initiated under these contracts.

On motion of Mr. McLaughlin, authority was given, as recommended.

CONTRACT FOR EXTENSION OF HIGH-PRESSURE GAS SERVICE

(11) The Director of the Physical Plant and the Comptroller recommend authorization of a contract with the Illinois Power Company for the extension of a six-inch high-pressure gas main from the Company's pipe line at the corner of Sixth and Healey Streets, Champaign, to a reducing station (new valve, regulator, and meter enclosure) to be constructed on the campus near the Transportation Building. The estimated total cost of this project is \$15,000, of which an estimated \$10,500 will be for the extension of the high-pressure gas main. Under regulations of the Illinois Commerce Commission, the extension of the gas main must be done by the Illinois Power Company. The Company has an agreement with labor unions to deal with one contractor, E. K. McDonald of Decatur, Illinois. The Company can not contract for this work on a firm price but proposes to do it under the following conditions:

1. Reimbursement to the contractor for contract labor plus 25 per cent on said labor to include all contractor's overhead expense and profit.

2. Reimbursement to the Illinois Power Company for their labor, material, and equipment rental and protection.

3. Payment to the Illinois Power Company of 15 per cent on the total of the above costs to cover their engineering, layout, superintendence, and other services.

Funds are available in the state appropriation for "Additions to Power and Heating Plant and remodeling of existing buildings."

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract, subject to the release of funds by the Governor.

On motion of Mr. Fornof, authority was given, as recommended.

CONTRACT FOR DIRECT CURRENT ELECTRIC SERVICE EQUIPMENT

(12) Direct current electric service required for research work is supplied by an obsolete motor generator located in the old engine room of the Physical Plant Service Building and loaned to the Physical Plant Department by the Department of Mechanical Engineering many years ago. Because of its own increased requirements for direct current service, the Department wishes to recall the motor generator. Even though it is obsolete and manually controlled, it has sufficient capacity to supply the intermittent demands for D.C. electric service of the Department of Mechanical Engineering. It is, therefore, necessary to purchase and install one large motor generator set with automatic controls to supply the increasing demand for D.C. electric service in other departments. Estimated cost of this project is \$25,000.

Funds are available in the state appropriation for "Additions to Power and Heating Plant and remodeling of existing buildings."

The Director of the Physical Plant and the Comptroller recommend award of contracts as follows:

Motor generator set — Allis-Chalmers Manufacturing Co., Chicago...	\$8 095 26
Synchronous motor control cabinet — Westinghouse Electric Corporation, Chicago.....	4 511 00
Air-fused interrupter switch — Westinghouse Electric Corporation, Chicago.....	1 141 00

These bids are subject to a maximum escalation of 10 per cent or a maximum total of \$6,217.20.

D.C. generator control switchgear — General Electric Company, Schenectady, New York.....	4 546 00
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This bid is subject to a maximum escalation of 10 per cent.

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

On motion of Mr. Livingston, authority was given, as recommended.

CONTRACT FOR FEED STORAGE WAREHOUSE

(13) The Director of the Physical Plant and the Comptroller recommend award of the following contracts for the construction of a Feed Storage Warehouse at the Feed Cattle Barns, one of the projects included in the state appropriation for "Construction of agricultural structures and remodeling present agricultural buildings." This project has already been approved by the Board of Trustees (Minutes, January 12, 1950, page 965), and the funds have been released by the Governor.

General work — Contracting Construction Company, Danville.....	\$23 019
Electrical work — Brunkow Electric Company, Champaign.....	875

These are the low bids.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute these contracts.

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

CONTRACT FOR UTILITIES DISTRIBUTION SYSTEM AT URBANA

(14) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$14,873 to the Leverenz Electric Company, Danville, the lowest bidder, for modernization of the transformer vault in the Library as part of the Utilities Distribution System construction at Urbana. The total cost of this improvement is estimated at \$19,000, but the remainder of the work in addition to this contract for electrical work will be done by Physical Plant Department labor.

Funds are available in the state appropriation for "Construction of extensions to the Utility Distribution Systems" at Urbana.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract, subject to the release of funds by the Governor.

On motion of Mr. McLaughlin, authority was given, as recommended.

CONTRACT FOR REMODELING OF QUARTERS FOR THE DEPARTMENT OF BACTERIOLOGY AT THE CHICAGO PROFESSIONAL COLLEGES

(15) The Director of the Physical Plant and the Comptroller recommend the award of a contract for \$4,750 to the Perry Construction Company, Inc., Chicago, the lowest bidder, for remodeling of Rooms 66, 69, 364, and 369 of the Dentistry, Medicine, and Pharmacy Building. This remodeling is needed by the Department of Bacteriology in connection with its research work in viruses.

Funds are available in the state appropriation for "Permanent Improvements at Chicago — Construction of Utility Distribution System and remodeling of existing buildings."

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract, subject to the release of funds by the Governor.

On motion of Dr. Meyer, authority was given, as recommended.

CONTRACT FOR REPLACEMENT OF SIDEWALKS AND CURBS AT THE CHICAGO PROFESSIONAL COLLEGES

(16) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$2,219 to the T. A. Rehnquist Company, Chicago, the lowest bidder, for the replacement of sidewalks and curbing at the northwest corner of Polk and Hermitage Streets in Chicago. The sidewalks and curbs at this corner have deteriorated to such an extent that they are a hazard to pedestrians.

Funds are available in the Physical Plant Department budget for this repairing.

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

On motion of Mrs. Holt, authority was given, as recommended.

ADDITION TO PLUMBING CONTRACT FOR ANIMAL SCIENCES LABORATORY

(17) The Director of the Physical Plant and the Comptroller recommend an increase of \$3,934.46 in the contract with Bellis and Miller, Champaign, for plumbing work in the construction of the Animal Sciences Laboratory to provide for the installation of a water main from Gregory Drive to the new building.

The provision of water service from the mains to the building was not included in the base contract because the engineering work on this installation had not been completed at the time contracts were awarded. The architects have approved the contractor's estimate of the cost of this installation.

Funds are available in the state appropriation for construction of this building.

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

On motion of Mr. McLaughlin, authority was given, as recommended.

ADDITION TO GENERAL CONTRACT FOR ANIMAL SCIENCES LABORATORY

(18) The Director of the Physical Plant and the Comptroller recommend an increase of \$2,245.10 in the contract with the Sumner S. Sollitt Construction Company for the construction of the Animal Sciences Laboratory to provide for waterproofing of certain floors. This was not included in the plans and specifications. It has now been determined that use of five rooms will require cleaning by drenching them with water, so that the floors in these rooms should be treated with membrane waterproofing to prevent leaks to the rooms below. The contractor has offered to do the additional work for the amount indicated, and the architects advise that it is a reasonable estimate.

Funds are available in the state appropriation "Construction of Animal Science Laboratory."

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

On motion of Mr. Livingston, authority was given, as recommended.

ADDITION TO GENERAL CONTRACT FOR CONSTRUCTION OF VETERINARY MEDICINE BUILDING

(19) The Director of the Physical Plant and the Comptroller recommend an increase of \$2,800 in the contract with the John Felmley Company for the construction of the Veterinary Medicine Building to provide for weather-stripping of windows.

When the plans and specifications for this building were sent out for bids, a number of items, including weather-stripping for exterior windows, were omitted to keep the cost of the building within the state appropriation. It is now clear that sufficient funds will be available for some of these items. The quotation of \$2,800 for weather-stripping has been checked by the architects for the building and they consider it a fair price. It is estimated that weather-stripping the exterior windows will reduce the heating cost approximately \$400 a year.

Funds are available in the state appropriation for "Construction of Veterinary Medicine unit."

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

On motion of Mr. Hickman, authority was given, as recommended.

REPORT OF FACT-FINDING COMMITTEE ON WAGE RATES TO BE SPECIFIED IN CONSTRUCTION CONTRACTS AT ROBERT ALLERTON PARK

(20) The fact-finding committee¹ appointed to make an investigation of wage rates in Piatt County to be paid for construction work at Robert Allerton Park and to report on the same to the President of the University and to the Board of Trustees has made its report, a copy of which is submitted herewith.

Springfield, Illinois
July 31, 1950

*To The President and
Board of Directors
University of Illinois
Champaign, Illinois*

Re: Report of Fact Finding
Committee, Allerton Park

In accordance with the instructions of the Board of Trustees, we have held extensive hearings, open to anyone who felt he had an interest, and arrived at the following conclusion:

We find that it is a fact that the rates paid for work in the building trades

¹The committee members are Mr. Robert L. Gordon, former Director of the Illinois State Department of Labor, who was appointed by the Illinois State Federation of Labor; Mr. Donald E. Dickason, Director of Nonacademic Personnel at the University of Illinois, who was appointed by the President of the University; and Mr. Winfield F. Meyer, Deputy Director of the State Department of Public Welfare, who was selected by the first two.

and crafts in Piatt County Illinois are subject to so much variation that it is not possible to establish single rates as prevailing.

We find that it is a fact that elsewhere in the State of Illinois, under conditions comparable to those at Allerton Park, that the responsible public bodies or agencies have accepted as the prevailing rates, the rates established as the union rates under agreements with the union in whose jurisdictional territory these respective institutions and properties lie.

The Committee recommends to the Board that it proceed in accordance with all the facts outlined above.

ROBERT L. GORDON
DONALD E. DICKASON
W. F. MEYER, *Chairman*

I recommend that, consistent with its present policy, the University proceed according to the finding stated in the first paragraph of the Committee's conclusion in awarding contracts for construction work at Robert Allerton Park.

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

REQUEST OF MCKINLEY MEMORIAL PRESBYTERIAN CHURCH FOR USE OF UNIVERSITY AUDITORIUM

(21) The McKinley Memorial Presbyterian Church at Fourth and John Streets, Champaign, is rehabilitating and enlarging its church building which will be out of service for approximately seven months from November 1, 1950. The officials of the church have requested the use of a University building (either Smith Music Hall or the Auditorium) each Sunday from approximately 10:00 a.m. until 12:15 p.m. during this period so that they may continue church services.

Although it is contrary to the Statutes of the University to rent campus facilities to local, outside organizations, an exception was made by the Board of Trustees in 1932 when the University Place Christian Church was permitted to use a University building following the loss of its church building by fire.

I recommend that permission be granted the McKinley Memorial Presbyterian Church to use the University Auditorium during the period indicated with the understanding that the church will reimburse the University for direct costs resulting from such use and that officials of the church will be responsible for complying with all applicable University regulations. Representatives of the church have indicated their willingness to do this.

On motion of Dr. Meyer, this recommendation was approved.

BEQUEST OF JESSIE E. HACKETT

(22) The will of the late Mrs. Jessie Ellars Hackett, of Tuscola, recently filed with the County Clerk of Douglas County, includes the following bequest to the University of Illinois:

SIXTH: I give, devise, and bequeath unto the Trustees of the University of Illinois, at Urbana, Illinois, the following described real estate, to be disposed of as directed in Paragraph Seventh hereafter:

Twenty-four and one-half ($24\frac{1}{2}$) acres off of the South side of the West Half of the Southeast Quarter of Section Six (6), Township Fifteen (15) North, Range Seven (7) East of the Third Principal Meridian;

Also, Twenty-four and one-half ($24\frac{1}{2}$) acres off the South side of Lot One (1) of the Southwest Quarter of Section Six (6), Township Fifteen (15) North, Range Seven (7) East of the Third Principal Meridian;

Also, Thirty-nine and two-thirds ($39\frac{2}{3}$) acres off of the South side of Lot Two (2) of the Southwest Quarter of Section Six (6) Township Fifteen (15) North, Range Seven (7) East of the Third Principal Meridian;

Also, the Southwest Quarter of the Southeast Quarter of the Southeast Quarter of Section Six (6), Township Fifteen (15) North, Range Seven (7), East of the Third Principal Meridian;

Also, the Northwest Quarter of the Southeast Quarter of the Southeast Quarter of Section Six (6), Township Fifteen (15) North, Range Seven (7) East of the Third Principal Meridian;

Also, the East Half of the Southeast Quarter of the Southeast Quarter of

Section Six (6), Township Fifteen (15) North, Range Seven (7), East of the Third Principal Meridian;

Also, the Southwest Quarter of the Southwest Quarter of Section Five (5), Township Fifteen (15) North, Range Seven (7), East of the Third Principal Meridian;

Also, commencing Forty-eight and $72/100$ (48.72) poles North of the Southwest corner of Section Six (6), Township Five (5) North, Range Seven (7) East of the Third Principal Meridian, thence East 288 poles parallel with Section line to the West line of the East Half of the Southeast Quarter of said Section Six (6), thence North with said line 48 poles and 25 links; thence West 288 poles to range line, thence South 48 poles and 25 links to place of beginning, containing Eighty-seven and $19/100$ (87.19) acres, more or less;

All of the above described real estate located in Douglas County, Illinois.

Also, Lot One (1) of the Northeast Quarter, and the North Half of the Southeast Quarter; all in Section One (1), Township Fifteen (15) North, Range Six (6), East of the Third Principal Meridian, Moultrie County, Illinois.

SEVENTH: I give the real estate described in the foregoing paragraph to the Trustees of the University of Illinois without restriction, except as hereinafter set forth. Said Trustees may sell said real estate, or operate the same as in their discretion shall seem best, for the uses and purposes hereinafter set forth. In case said land is sold, the Board of Trustees of the University of Illinois, may invest and reinvest the funds derived from such sale in such securities as in their best judgment shall combine safety of principal and satisfactory income without regard to any law of this state concerning the investment of trust funds, now or hereafter in effect. In any event, the real estate itself, or the funds derived from the sale thereof, shall be kept intact and only the income therefrom shall be used. Such income will be placed in a fund to be known as the "Jessie Ellars Hackett Scholarship Fund," and shall be used for scientific research work in the College of Agriculture, or any other College in the University of Illinois, at Urbana, Illinois, where such research will especially benefit agriculture; such scholarships shall be granted to students of either sex on the basis of high scholastic standing, with preference given to those in actual need of assistance. They shall be restricted to unmarried citizens of the United States, of good, moral character, and sound physical health, preference to be given to students from Douglas County, Illinois, if any are eligible. The Board of Trustees of the University of Illinois, or their duly authorized agent, or officer, shall determine the eligibility of all applicants for scholarships.

Nichols and Jones, Attorneys at Law of Tuscola, are attorneys for the estate.

I recommend that this bequest be accepted.

On motion of Mr. McLaughlin, this bequest was accepted.

BEQUEST OF DR. AND MRS. SAMUEL M. WYLIE

(23) The joint will of the late Dr. Samuel M. Wylie and his wife, Mrs. Emily J. Wylie, of Paxton, makes the University of Illinois the beneficiary of certain property in the event the Carnegie Public Library at Paxton, named as prior legatee, fails to provide facilities for proper housing of the property. Since the Carnegie Public Library at Paxton was unable to provide such facilities, the University has accepted the library, the cases in which the books are housed, an oil portrait of Napoleon, two framed bronze plaques, three swords, and two guns. The selection of the property was made by Professor R. B. Downs, Director of the University Library.

I have authorized the acceptance of this property and request confirmation of my action. I also recommend that suitable recognition of the gift be made by identifying each display of the articles composing this bequest with a notation that it is the gift of Dr. Samuel M. Wylie, of Paxton.

A letter expressing the thanks of the University for the gift has been sent to Mrs. Frances Wylie Condit, of Rantoul, Illinois, heir of the estate, with the request that she extend the appreciation of the University to the other heirs.

On motion of Mrs. Watkins, this bequest was accepted.

DECISION OF THE CIRCUIT COURT OF COOK COUNTY IN THE CASE OF IDA B. BLACKBURN, ET AL., VS. THE BOARD OF TRUSTEES

(24) When the Research and Educational Hospitals were operated jointly by the University and the State Department of Public Welfare, the Department provided elementary school instruction for crippled children who were patients in the Illinois Surgical Institute. The teaching positions were under State Civil Service. When the University took over the complete management and operation of the Hospitals, it also took over all the employees formerly in the Department of Public Welfare, including three teachers.

In 1948 the University decided to discontinue the function of providing instruction for children patients in the Hospitals on the ground that this is a responsibility of the Board of Education of Chicago. The three teaching positions were discontinued and the teachers were given "layoff" notices on July 1, 1948.

These teachers instituted mandamus proceedings in the Circuit Court of Cook County challenging the right of the University to discontinue the teaching function. Subsequently, the Board of Education of Chicago became a defendant in this case.

In a decision handed down on September 8, 1950, Judge Harry M. Fisher of the Circuit Court of Cook County sustained motions of counsel for the University and the Board of Education of Chicago to dismiss the complaint and thereby in effect held (a) that the University has a right to abolish and discontinue the teaching of children patients of the Illinois Surgical Institute for Children and (b) that the University may permit and the Chicago Board of Education may undertake a teaching program for such children.

The plaintiffs were given twenty days within which to file an amended complaint. If they do not file an amended complaint within that time, the case will finally be dismissed. However, the plaintiffs could appeal the decision to the Appellate and to the Supreme Courts.

This report was received for record.

PURCHASES

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

I concur.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One precision surface grinder, hand feed type, capacity 6"x18", grinding wheel 8" x 3/4" maximum 10" vertical feed; one 1/4 h.p., 220-volt, 60-cycle, three-phase motor in base equipped with magnetic chuck as per University specifications	Radiology Betatron	Brown & Sharpe Co., Providence, R.I.	\$1 809 80 f.o.b. Providence, R.I.
20 microscopes, stereoscopic, wide-field, inclined eyepiece body, detachable base, 10X widefield eyepieces, 1.0X, 4.0X, 6.0X paired objectives in dustproof sliding nosepiece, engraved (less allowance for 20 obsolete microscopes, stereoscopic, Greenough)	Entomology	Lukas Microscope Service, Skokie	5 534 40 f.o.b. Urbana
30 Spencer 35 mh. or equivalent, Bausch and Lomb medical microscopes with 10X ocular, triple nosepiece, 16 mm.-4mm., 1.8 oil immersion objectives, Abbe N. A. 1.25 condenser rack and pinion, focusing plane, concave mirror mechanical stage complete, less carrying cases, less allowance for 16 obsolete microscopes to be traded in	College of Medicine	Arthur S. LaPine and Co., Chicago Engraving Total	5 734 50 27 00 (5 761 50) f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One projection microscope, Vickers type, 25X to 4000X, bright, dark field, and polarized light examination, complete with arc light and pointolite source, optics and accessories	Mining and Metallurgical Engineering	R. Y. Ferner Co., Inc., Chicago	3 363 50 f.o.b. Boston, Mass.
Two research microscopes, low fine adjustment, inclined binocular and single bodies, mechanical R stage, N. A. 1.30 condenser and centering mount, triple revolving nosepiece, apochromatic objectives, 16 mm., 4 mm., 2 mm., compensating oculars (paired) 5X and 10X, case, engraved	Agronomy	E. H. Sargent & Co., Chicago W. H. Kessel & Co., Chicago Total	1 103 00 1 103 00 (2 206 00)
One spectrograph, Littrow type, large quartz and glass prisms, fully automatic, spectrum range 1,910 to 12,000 Angstrom, continuous focus by single adjustment with indicating wavelength drum and accessories, including supervision of installation and initial operation	Agronomy	National Spectrographic Laboratories, Cleveland, Ohio	17 639 12 f.o.b. Boston and Cleveland
One intensifier, high-pressure, with shrinking jacket suitable for use with pressures up to and including 200,000 pounds per square inch	Chemistry	Harwood Engineering Co., Inc., Walpole, Mass.	1 075 00 f.o.b. Brighton, Mass.
32 Ritter model K or S. S. White No. 3 diamond foot dental chairs, clinic model with simplified head rest, stationary toe piece and standard A.D.T.A. ivory tan finish, and six chairs, children's model, less allowance for 38 old S. S. White chairs	College of Dentistry	S. S. White Dental Manufacturing Co., Chicago	14 535 00 f.o.b. delivered and installed
One infant cephalometer to be constructed to our specifications	Division of Services for Crippled Children	B. F. Wehmer, North Lake	2 350 00 delivered and installed
177 16 mm. sound films, including both black and white and colored, for rental to schools and colleges on a self-supporting basis	Visual Aids Service	Coronet Films, Chicago	9 067 50
One magnetic drum for digital computer	Graduate College Computer	University of California, Berkeley, Calif.	3 500 00
14 coaxial speakers, 25 watts power, 8 ohm impedance, 50-10,000 cycles response — 90 degree dispersion, 1,000 cycles cross-over network with 12" weather-proof cones; seven matching transformers, 50 watt, primary 250-500 ohms, secondary 2-4-8-16 ohms	Physical Plant	Newark Electric Co., Chicago	1 365 84 f.o.b. delivered
Laboratory furniture consisting of base cabinets, table tops, back drops, reagent shelves, and service outlets for electricity, gas, and air	Food Technology	Laboratory Furniture Co., Long Island, N.Y.	4 151 92 f.o.b. Urbana
245 tons (approximately) southern Illinois stoker coal to be delivered to the T buildings in Illini Village as required during the 1950-1951 heating season	Residence Halls	LeBaugh Coal Co., Urbana	2 278 50 (approximate)
65,000 gallons (approximately) No. 3 fuel oil to be delivered to the University Airport during the period September 1, 1950, through April 30, 1951	Institute of Aviation and Aeronautical Engineering	Stewart Oil Co., Champaign	7 434 87 (approximate) f.o.b. delivered
1,000 sets (approximate) of 50 sheets each, student data sheets to be offset printed as required from October 1, 1950, to April 1, 1951	College of Engineering	Edwards Brothers, Ann Arbor, Mich.	2 950 00 f.o.b. Urbana
50 dozen white laboratory coats, eight ounce bleached sanforized twill, equal in workmanship to Whitehouse No. 423 with attached plastic buttons	Chicago Professional Colleges Stores	Ottenheimer & Co., Chicago	1 861 50 delivered and including tax

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
23 police uniforms consisting of coats, trousers, two caps, and overcoats	Physical Plant	De Moulin Bros. & Co., Greenville	2 864 65 f.o.b. Urbana
Four portable lowerators on casters, capacity 150 14" x 18" cafeteria trays	Residence Halls	Twin City Equipment Co., Champaign	1 496 00 f.o.b. Urbana
Complete rebuilding of model B Steinway grand piano serial No. 262206	School of Music	Steinway & Sons, New York, N.Y.	1 200 00 (esti- mate)
Furnish necessary labor, material, and equipment to make ten test borings on the site of the proposed Pharmacy Building adjacent to West Polk Street and South Wood Street, Chicago	Physical Plant	Lake States Engineering Corp., Chicago	2 200 00 (esti- mate)
716 12" x 15" x 36" double tier steel lockers, standard legs, green finish, padlock attachments (no locks), flat tops, number plates	Physical Education for Men	Jack Sheean, Bloomington	4 650 44 delivered and installed
Partitions for Agronomy Greenhouse in accordance with specifications prepared by the Physical Plant Department	Physical Plant	National Greenhouse Co., Pana	1 315 00 f.o.b. Urbana
One North American AT-6 airplane, federal registration No. N 63625, manufacturer's serial No. 59-1948, equipped as an instrument flight trainer, both front and rear cockpits, with the exception of clocks; also, complete with two-way radio and ADF equipment	Institute of Aviation	Franklyn McCormack, Chicago	2 600 00
One tractor, Allis-Chalmers model W. D., complete with 12-28 rear tires, fluid included and belt pulley with power take-off; to replace an old Caterpillar tractor, model 22	Agricultural Administration	Raymond Hale Implement Co., Grand Chain	1 567 00 f.o.b. Dixon Springs
One tractor, Allis-Chalmers model B, with mower, heavy-duty 6-foot bar and three extra sickles; to replace an old John Deere tractor, model LI, and mower, model 7-D	Dixon Springs Experiment Station	Neal & Whalen, Metropolis	1 069 00 f.o.b. Dixon Springs
One Ford V-8 ½ ton pickup truck with 4-speed transmission, overload springs, heater and defroster, oil bath air cleaner, oil filter, and 600 x 16—6-ply tires; this truck will replace vehicle No. J744, 1942 Chevrolet ½ ton pickup truck	Agricultural Administration	Dana Hudelson, Inc., Champaign	1 083 00 delivered
11 four-door sedans; four two-door sedans; eight business coupes; all to be equipped with fresh air heaters and defrosters; these vehicles will replace 23 automobiles now in the College of Agriculture pool	Agricultural Administration	Noble Motor Co., Danville 4 Ford four-door sedans 1 Ford business coupe Tom Purvis, Inc., Mattoon 1 Ford two-door sedan 1 Ford business coupe Whowell Motor Co., Paxton 7 Ford four-door sedans 2 Ford two-door sedans 3 Ford business coupes Lloyd Eichhorst, Inc., Champaign 1 Plymouth two-door sedan 3 Plymouth business coupes Total	1 570 80 842 92 5 374 38 2 306 22 (10 094 32)
150 medium weight western ewe lambs; 50 medium weight western wether lambs	Animal Science	To be selected by members of the Department	5 000 00 (approx- imate) (Price to be mar- ket at time of selection, about October 15, 1950)

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
25 yearling feeder heifers	Animal Science	Gotschall Bros., Atkinson, Neb.	3 500 00 (estimate)
1,000 copies <i>Charles Sumner</i> , an essay by Carl Schurz, edited by Arthur Reed Hogue	University Press	Haddon Craftsmen, Inc., Scranton, Pa.	1 192 08 (approx- imate) f.o.b. Urbana
1,000 copies <i>Education for Freedom</i> , edited by J. Lloyd Trump and Charles M. Allen of the College of Education Faculty	University Press	Twin City Printing Co., Champaign	1 098 00 (approx- imate) f.o.b. Urbana
1,000 copies <i>Constitutional Problems under Lincoln</i> , by J. G. Randall	University Press	Rogers Printing Co., Chicago	3 840 00 (approx- imate) f.o.b. Urbana
2,000 copies <i>Essays for John Dewey's Ninetieth Birthday</i>	Bureau of Research and Service	Pantagraph Printing & Stationery Co., Bloomington	927 00 (approx- imate) f.o.b. Urbana
Four microscopes, laboratory type, monocular, built on mechanical stage, abbe divisible condenser N.A. 1.25 with iris diaphragm, complete with plano-concave mirror, triple revolving nosepiece, 10X (separable to 4.2X), 43X, and 97X (oil) achromatic objec- tives, 10X Hygienian eyepiece, without cases, each engraved; one microscope same as above ex- cept with 5X achromatic objec- tive in quadruple nosepiece	Food Technology	E. H. Sargent & Co., Chicago	1 258 65 f.o.b. Urbana
One farm tractor, International Harvester Farmal model "H," complete with power take-off and two sets of wheel weights	Dairy Science	International Harvester Co., Kankakee	1 482 77 f.o.b. Urbana
Two 36" x 18" gas-heated tumblers with single motor-driven fan and cylinder, temperature signal and buzzer, and lint box, capacity 20 pounds dry weight, for installa- tion in Student and Staff Apart- ments laundry room	Physical Plant	American Machine & Metals, Inc., Chicago	1 070 00 f.o.b. Milwau- kee, Wis.
One variable weight tandem roller (5 to 8 tons) powered with gaso- line engine, equipped with sprink- ler system, electric starter, and hydraulic power steering	Institute of Aviation	Cox Brothers Co., Hoopston	4 558 20 f.o.b. delivered
Continuous cloth towel service (cloth towel roll) to replace pres- ent paper towels; service for a two-year period beginning Octo- ber 1, 1950, to include furnishing and installing of cabinets in loca- tions specified by the University and delivery of towels to various buildings	Physical Plant	Champaign-Urbana Clean Towel Service, Champaign	12 000 00 (esti- mated annual cost)
Rental service of white coats and aprons (bib and waist) as re- quested by various departments, service to be for two-year period, beginning October 1, 1950; under this rental service arrangement the merchandise inventories are owned and laundered by the con- tractor, the contractor agrees to provide only first quality mer- chandise and workmanship	Physical Plant	Midstate Linen Supply, Urbana	10 940 00 (esti- mated total annual cost)

On motion of Dr. Meyer, these purchases were authorized.

REPORT OF COAL RECEIVED FROM THE REPUBLIC COAL AND COKE COMPANY DURING THE PERIOD APRIL 2 TO JUNE 30, 1950

(26) In accordance with the request of the Board of Trustees, quarterly reports have been submitted of coal deliveries by the Republic Coal and Coke Company during the year 1949-1950.

The contract specified that the vendor was to deliver 3,900 tons of coal during April and 3,400 tons of coal during May. However, due to the lack of coal deliveries during the coal strike of February and March and the depletion of the stock pile, the vendor was requested to make up for the previous lack of deliveries by delivering as much coal as could be unloaded during April and May. A total of 14,586 tons was delivered. Since the coal received during this period went directly to the stock pile, the coal could not be sampled in accordance with the terms of the contract—that the sampling be made from the automatic sampler in the coal conveyor leading into the Power Plant. Random samples taken from the stock pile indicated that the coal purchased from Republic Coal and Coke Company was better than any coal that could be obtained elsewhere at a comparative price.

This report was received for record.

COMPTROLLER'S REPORT OF CONTRACTS

(27) The Comptroller's report of contracts executed for the period from July 1 to August 31, 1950.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
United States Air Force School of Aviation Medicine	Air circulation under reduced barometric pressure	\$ 5 175 00	May 23, 1950
United States Air Force School of Aviation Medicine	Physiological effects of mechanical vibration	5 750 00	May 23, 1950
United States Air Force	Altitude effect on various simulated pathological conditions	44 340 00	June 20, 1950
United States Navy	High-speed electronic computers	10 061 00	June 7, 1950
United States Navy	Electronics in insulating solids	12 037 00	June 1, 1950
United States Air Force	Fundamental nature of semi-conduction	33 000 00	May 18, 1950
United States Air Force	Preparation of research planning reports	55 000 00	April 1, 1950
United States Air Force	Radar mechanics test battery	42 393 00	May 31, 1950
United States Air Force	Contact flight trainer study	43 000 00	June 14, 1950
Housing and Home Finance Agency	Design criteria for space in dwellings	52 904 00	June 30, 1950
United States Army	Welded joints in structural and low-alloy steel	14 000 00	June 7, 1950
United States Army	Oscillator circuits	15 755 00	June 23, 1950
United States Navy	Star counts and other relevant data	3 520 00	May 26, 1950
United States Department of Labor	Labor statistics consumer's price index study	10 000 00	June 8, 1950
United States Army	Correspondence courses United States Armed Forces Institute	Rates per course	July 1, 1950
Carle Foundation	Physical fitness tests of patients	1 000 00	June 13, 1950
Lederle Laboratories Division, American Cyanamid Company	Aureomycin effect upon swine nutrition	1 500 00	August 31, 1950
Roses, Inc.	Influence of spacing on the production of greenhouse roses	1 400 00	August 26, 1950
The Fleischmann Laboratories, Standard Brands, Inc.	Yeast genetics	5 000 00	June 28, 1950
Illinois State Florists' Association	Disease-free strains of carnations	1 400 00	August 17, 1950
State of Illinois Division of Highways	Highway bridges impacts	5 000 00	June 27, 1950
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Date</i>
American Federation of Arts	Rental of "Ballet Designs and Costumes"	\$ 135 00	April 5, 1950
Wallace G. Bergeron	Fabricate radon seeds and supply beta tubes	2 500 00	July 1, 1950
G. R. Grubb & Company	Photoengraving requirements for 1950-1951	3 ½ cents per unit	June 30, 1950

<i>Contract Changes Executed</i>			
<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Skidmore, Owings, and Merrill	Men's Residence Hall planning	\$2 000 00	July 31, 1950
Graham, Anderson, Probst, and White, Inc.	Transformer vaults in Busey and Evans Halls	1 500 00	July 5, 1950
John Felmley Co.	Special State Veterinary Science Unit	4 800 00	June 23, 1950

*Adjustments in Authorizations Issued Prior to July 1, 1949,
Under Cost-Plus Standing Contracts*

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>
Lewis S. Colbert	One adjustment	\$303 33 ¹
Reliable Plumbing & Heating Co.	One adjustment	16 81 ¹

This report was received for record.

REPORTS OF THE FINANCE COMMITTEE

(28) The Finance Committee reports the following transactions:

Exchange of Government Securities

The 1½ per cent United States of America Certificates of Indebtedness Series G held in connection with the trust fund under the Navy Pier lease matured on September 15, 1950. The United States Government offered for purchase Certificates of Indebtedness Series A 1½ per cent due January 1, 1951, to yield approximately 1.29 per cent.

Under the authorization of the Finance Committee of the Board of Trustees and upon recommendation of the First National Bank of Chicago, the purchase of the new Certificates was authorized and is now reported to the Board of Trustees.

Deposit Funds

Investments

Purchase: U. S. A. 90-day Treasury Bills due December 7, 1950.....\$24 917 85

Endowment Funds

U. S. A. Series G, 2½ per cent Savings Bonds due June 1, 1962..... 8 000 00
50/100 share Eastman Kodak Company Common, \$10 par scrip
certificate 22 99
⅓ share Fidelity-Phenix Fire Insurance Company of New York, Cap.
\$10, par stock, fractional scrip issue of 1950..... 20 06

Student Loan Funds

Exchange: \$30,000.00 U. S. Certificates of Indebtedness, 1¼ per cent,
due July 1, 1950, for \$30,000.00, 1¼ per cent Treasury Notes due
August 1, 1951.

This report was received for record.

BOND OF UNIVERSITY TREASURER

(29) When Mr. Irvin L. Porter was elected Treasurer of the University on March 10, 1949, for two years, his bond was fixed at \$3,000,000. It has been the practice of the Board to require a bond that would cover the balance in the hands of the Treasurer at all times.

Since the foregoing action, the balance has increased considerably and is continuously above \$4,000,000 with little likelihood of a decrease. Mr. Porter has filed a new bond in the amount of \$5,000,000 with E. E. Brown, James B. Forgan, and Homer J. Livingston as sureties.

The Finance Committee recommends the acceptance of this new bond in place of the bond previously filed.

On motion of Mr. McLaughlin, the recommendation of the committee was adopted.

¹ Deduct.

QUARTERLY REPORT OF THE COMPTROLLER

(30) The Comptroller presents his quarterly report to the Board as of June 30, 1950.

This report was received for record.

AWARD OF CERTIFICATES OF CERTIFIED PUBLIC ACCOUNTANT

(31) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, to Lloyd Robert Ahlf, Indiana, and Cyril Hopkinson, California, 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 concur.

On motion of Mr. Fornof, these certificates were awarded as recommended.

**CONTRACTS FOR HOUSING
REVISION OF UNIVERSITY STATUTES**

(32) The University Statutes provide that all "minor contracts and those involving the purchase of ordinary supplies, advertising and publicity material, and other routine matters in the ordinary operation of University affairs, shall be signed by the Secretary of the Board of Trustees and by the Comptroller of the University, to whom authority is hereby delegated by the Board for such purpose."

The expansion of student and staff housing on the Urbana campus has greatly increased the number of leases required for such accommodations. Approximately 500 leases with staff members and 6,500 contracts with students are entered into annually. It is desirable to centralize this in the office of the Director of Housing.

The Director of the Physical Plant and the Comptroller recommend that the University of Illinois Statutes be amended to provide that:

"All contracts and leases for board and rooms or other housing facilities under the jurisdiction of the University Housing Director will be executed in the name of the Board of Trustees by the Director of Housing or by those to whom he delegates authority to sign for him. Such contracts and leases shall be in a standard form approved by the offices of the Legal Counsel, Comptroller, and the Director of the Physical Plant and shall conform with schedules of charges approved by the Director of the Physical Plant and the Comptroller."

I concur.

On motion of Mr. Livingston, this amendment was adopted.

JAMES D. PHILLIPS ESTATE

(33) As previously reported to the Board, Mr. James D. Phillips, Class of 1893, bequeathed to the University one-half of the residue of his estate to be used for scholarships. From the income of this fund, the sum of \$250 is to be paid annually to an annuitant during her lifetime. The University of Wisconsin is the beneficiary of the other half of the estate.

The estate is now ready for distribution. The University has been advised that it will be necessary to appoint a California corporation as trustee and the Security First National Bank of Los Angeles, executor of the estate, has been suggested.

The Legal Counsel's office of the University of Illinois and the Attorney General's office of Wisconsin express doubts as to a legal requirement that a California corporation act as trustee. It is preferable that each University act for itself as trustee, but the size of the estate does not warrant extended litigation to establish this right.

The office of the Legal Counsel and the Comptroller request that the Board join with the University of Wisconsin in requesting the attorney for the executor to seek a court ruling. If the court rules that a California trustee is necessary, the Comptroller recommends that the Board of Trustees assent to the appointment of the Security First National Bank of Los Angeles.

I concur.

On motion of Dr. Meyer, this recommendation was approved.

ESTATE OF ALBERT BELLAMY

(34) The will of the late Albert Bellamy, Class of 1881, who died January 13, 1948, in Oak Park, Illinois, includes the following bequest to the University of Illinois:

"23. When all of my just indebtedness has been paid, and when all of the specific legacies above listed have been turned over by my Executor to the persons entitled thereto, then I want the balance of my estate to be divided by the Executor into two equal parts, and when thus divided I want my Executor to pay the full equal one-half part of my net estate to the proper officers or authorities, of the organization that now exists as THE UNIVERSITY OF ILLINOIS, located at URBANA in this State, which organization has for its generous object the helping of students at the University of Illinois, who need financial assistance in the procuring of an education. As I write this instrument I do not have the correct name of this organization but I know that it is now functioning in the assistance of students who need financial help, and I know that my Executor knows the name of the organization that I have in mind and I am now directing that the full equal one-half part of my net estate shall be paid over to the proper officials of such organization and I want the money used in assisting needy students to acquire an education."

The other half of the net estate goes to Blackburn College at Carlinville, Illinois. There were specific bequests of \$18,000.

The will has been probated and a considerable proportion of the estate reduced to cash and payment of specific bequests has been made. There is now available for payment to the University of Illinois the sum of \$55,862.09. The sum of \$10,000 is retained against the remote possibility of further tax assessment.

The Administrator requests that the Board of Trustees assent to the conditions of the will as they affect the University and authorize the acceptance of the distribution of \$55,862.09 now offered and any additional funds that may accrue.

The office of the Legal Counsel and the Comptroller recommend the approval of this request.

I concur and at a later time will recommend a plan for the use of the fund.

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

UNIVERSITY OF ILLINOIS FOUR-YEAR REPORT

At this point the President of the University submitted a report on the state of the University covering the period 1946 to 1950. Copies of the report were distributed to all Trustees at the meeting and were subsequently sent to the absentee members. A copy was filed with the Secretary of the Board for record.

On motion of Mrs. Watkins, publication of this report was authorized.

BIENNIAL BUDGET 1951-1953

(35) The President presented the following recommendations for the biennial operating budget of the University for the two years beginning July 1, 1951, covering all funds for which appropriations are made by the General Assembly. These estimates are submitted as the proposed basis for the budget to be filed with the Department of Finance on or before November 1, 1950, as required by law.

	<i>Summary</i>		
	<i>General Revenue Tax Funds</i>	<i>University's Income</i>	<i>Total for the Biennium</i>
The Sixty-sixth General Assembly appropriated to the University of Illinois for operation for the biennium beginning July 1, 1949 (excluding special appropriations of \$2,064,114 for Services for Crippled Children and \$143,000 for the Institution for Tuberculosis Research), the sum of.....			
	\$52 271 742	\$15 000 000	\$67 271 742
For the biennium starting July 1, 1951, I recommend that the University of Illinois request increases as follows:			
I. Statutory and Contractual Increases:			
A. Increased employer contributions to the University Retirement System.....	406 600		406 600
B. Payments for the new steam plant at the Chicago Professional Campus.....	1 107 864		1 107 864
II. Increases necessary to put new facilities into operation:			
A. Chicago (Hospital Addition)....	3 284 515		3 284 515
B. Urbana-Champaign.....	430 856		430 856
III. Increases essential to staff and departmental development:			
A. Salary and wage rate increases...	2 400 000		2 400 000
B. Increases to promote growth and development.....	2 200 000		2 200 000
IV. Estimated savings due to lower enrollments in 1951-1953:.....			
Net increase requested, from tax funds.....	-1 000 000		-1 000 000
	(8 829 835)		(8 829 835)
V. Revolving increases, covered by additional income:			
A. Increases resulting from increase in dollar volume of auxiliary enterprises.....		1 500 000	1 500 000
<i>Total increase requested, all funds.....</i>	<i>\$ 8 829 835</i>	<i>\$ 1 500 000</i>	<i>\$10 329 835</i>
<i>Total biennial appropriation requested.....</i>	<i>\$61 101 577</i>	<i>\$16 500 000</i>	<i>\$77 601 577</i>

The funds appropriated in 1949-1951 are being used for the comprehensive educational, research, and public services reported to the General Assembly. The University of Illinois has continued to fulfill its promises to veterans. Large areas of teaching and research have been brought abreast of world advances in science and technology. The services of the University have been expanded in order to meet the needs of the State.

In the spring of 1950, the deans, directors, and general administrative officers were asked to submit preliminary requests for the 1951-1953 biennium. These requests were presented to the University Council in July. They called for an increase of \$18,202,105 over the present biennial appropriation. After extensive discussion, the officers concerned were asked to give further study to the proposed programs and to revise their original decisions substantially downward.

The revised requests as submitted to the President's office came to a total increase of \$13,660,475 for the biennium.

For reasons to be cited in this report, I am not recommending such an

increase to the Board of Trustees. The deans and directors performed a valiant service in reducing their askings by \$4,500,000. They eliminated many items earnestly in demand. Nevertheless, I feel that the temporary decline in enrollment, the general economic situation in 1950, and the uncertainties of the immediate future require a further reduction.

In the interest of prudent operation, I am requesting a biennial increase from tax funds for 1951-1953 of \$8,829,835. This sum includes \$1,514,464 for contractual obligations; to this we are committed. It also includes the sum of \$3,715,371 in order to put newly constructed facilities into operation. Salary and wage adjustments of only 5 per cent, on the average, will cost \$2,400,000. To permit a normal rate of growth in various important areas of teaching and research, the sum of \$2,200,000 is needed. The estimated savings in departmental budgets due to smaller enrollments are \$1,000,000.

An earned income increase of \$1,500,000 from auxiliary enterprises (student and staff housing, food services, bookstores, etc.), added to the appropriation, brings a total increase, from all sources, of \$10,329,835.

I. Statutory and Contractual Increases

A. Additions to Retirement System Appropriations

In 1941 the General Assembly passed an Act establishing the University Retirement System of Illinois. It provides disability, death, and retirement benefits for all permanent staff members and employees of the University and of other state-supported institutions of higher education and the state scientific surveys.

The University of Illinois' share of the cost of the System is regularly included in the appropriations to the University. It is computed on an actuarial basis. The amount of this item for the current biennium is \$1,579,618. Because of increased staff, increased scale of compensation, and the larger number of persons retiring, additional funds of \$406,600 for two years are required.

B. Central Steam Plant

The enlarged hospital could not be serviced by the steam available in present facilities. It was necessary to erect a new plant. Two years ago, an appropriation of \$6,400,000 was requested for the plant and distribution lines. To obviate the necessity of such a capital appropriation, the University, with the approval of the Governor and the Director of Finance, concluded a contract with the Medical Center Steam Company, a corporation organized by officers of Commonwealth Edison Company. This plant is being built and will be operated on a nonprofit basis by the Company. The University will eventually pay the entire cost of operation, including amortization and interest on funds borrowed (80 per cent of cost) to construct the building. The estimated cost of the steam plant is \$5,900,000 and the amortization period is thirty years. At the end of this time (or sooner by prepayments which are allowable) the plant will become the property of the University of Illinois.

The University is authorized to sell steam to other governmental and educational agencies. A contract has been made with the State Department of Public Health which has contributed a sum representing the increased capital investment required for services to the Tuberculosis Hospital. A contract has been made also with the Veterans Administration for services to its new hospital, on a basis that will recover all costs. The plant now being built is of sufficient capacity to provide services for needed new additions to the instructional facilities of the Professional Colleges. The steam plant will also serve the new housing units that the University is endeavoring to construct through private loans.

The Steam Plant contract will require additional appropriations in the coming biennium, estimated at \$1,107,864, as follows:

Payments on principal of construction loan.....	\$ 375 000
Interest on loan.....	317 000
Charges for balance of funds supplied by Commonwealth Edison Company.....	110 864
Administrative services.....	40 000
Taxes (local real estate).....	265 000
<i>Total (two years).....</i>	<i>\$1 107 864</i>

II. Increases Necessary to Put New Facilities into Operation

A. Hospital Addition, Chicago

In the appropriation for buildings (1949), there was an item of \$8,200,000 (including amounts incorporated in *equipment* and *contingencies*) for an addition to the Research and Educational Hospitals in Chicago. These funds provide for a net addition of 364 beds, together with necessary laboratory and technical facilities such as operating rooms, emergency rooms, teaching and clinical laboratories, X-ray facilities, physicians' offices and examining rooms, diet kitchens, food service and general building services. Provision for the care of ambulatory patients is also included.

As stated during the last sessions of the General Assembly, the need for this addition was critical. With the largest class of any medical school in the country, the hospital facilities of the University provide about 2.3 beds, as compared with the standard requirement of four beds per clinical student set by the accrediting agencies. This is below the average for other medical schools and below the minimum required for the best quality of instruction. If cordial relations were to be maintained between the College of Medicine and national accrediting agencies, the addition had to be built. The enlarged hospital will provide 3.2 beds per clinical student.

Everyone should be mindful of the fact that the facilities of the Research and Educational Hospitals are available chiefly to those who can not pay for hospital services. Failure to provide additional facilities would have left thousands of needy patients with the choice of getting no help at all or of seeking help from some other tax-supported agency.

Since 1940 the per diem cost per patient for hospital services has increased 120 per cent. This figure is obtained from Blue Cross and is based on rock-bottom costs.

The cost per patient day is estimated at \$17.16; the corresponding figure in a comparable Chicago hospital is \$19.20.

To place the new Hospital in operation will call for the following expenditures for the coming biennium, over and above expenditures now being made to maintain and operate the present Hospitals:

Professional staff services.....	\$ 104 200
Nursing services and resident staff.....	1 261 876
Laboratory, X-ray, and related services.....	800 045
Dietary services for patients.....	496 068
Supply rooms and other services.....	264 240
Physical Plant operation and maintenance.....	358 086
<i>Total</i>	<i>\$3 284 515</i>

The budget above will require the addition of approximately 542 academic and nonacademic persons (full-time equivalent) to the staff of the University.

B. New Buildings at Urbana-Champaign

Two new buildings at Urbana-Champaign were provided by state appropriations in 1949: the Veterinary Medicine Building at a total cost of \$1,800,000 and the Animal Sciences Laboratory at a total cost of \$2,500,000, including equipment for both. They were paid for by money transferred from the Agricultural Premium Fund.

As indicated to the preceding General Assembly, these buildings are necessary in order to provide (a) instruction and research in veterinary medicine and (b) additional facilities for agricultural research in food production, preservation, and distribution. It is of great importance to the agricultural people of the state that these new facilities be put into service as soon as completed. They will be ready for operation during the 1951-1953 biennium and will require added funds, including professional services, physical plant operation and maintenance, and other non-academic services.

The Physics Research Laboratory which houses the Betatron was completed during the current biennium; professional staff are required for its research programs. Certain other minor new facilities will be ready for operation.

The increases needed are:

Veterinary Medicine Building	
Professional service.....	\$ 69 600
Plant operation and maintenance.....	58 472
Animal Sciences Laboratory	
Professional service.....	95 760
Plant operation and maintenance.....	57 112
Betatron — Professional services.....	97 000
Other facilities.....	52 912
<i>Total (two years).....</i>	<i>\$430 856</i>

III. Increases Essential to Staff and Departmental Development

A. Salary and Wage Rate Adjustments

The deans and directors were asked to submit recommendations regarding increases in the scale of compensation for both academic and nonacademic staff. The issues, as they affect the welfare of the University and its relation to the total economic situation, were fully discussed in the July meeting of the University Council. There was unanimous agreement that a sum should be provided that would make possible merit increases on an individual basis. The worth of a university depends wholly on its staff; the more distinguished it becomes, the more frequent will be the calls to other institutions or to industry, commerce, and governmental agencies.

For the past two biennial periods, the General Assembly has recognized these circumstances and it has granted the University sufficient funds to secure and retain a staff which would create a stimulating educational experience for students and help the people of the State through research and service. For the biennium 1949-1951, a fund equal to 10 per cent of the wages and salaries of all persons employed at the beginning of the biennium (\$4,032,760) was actually spent. Since some of the increases were not made until the second year of the biennium, the effective amount of increase on an annual basis was \$2,402,012, or \$4,804,024, for the biennium.

These increases, added to earlier cost-of-living adjustments, have brought most of the staff in line with changes in the cost of living since 1941. Some of the non-academic groups have fared much better than the average, and the nonacademic group, as a whole, has fared better than academic staff members. Prevailing local wage rates have been adopted as soon as such rates have been established. However, the University is in a good competitive situation with respect to academic talent.

In order to retain these incentives to quality and continued growth, the deans and directors requested for 1951-1953 a fund of \$2,887,106 (revised from first requests of \$3,449,437) to cover all salary and wage increases. These askings have been further pared in my office.

Barring a material increase in the cost of living, it is urgent that a fund of \$2,400,000 be included, based on the following needs:

(a) To provide increases on an individual and selective basis for the academic staff;

(b) To meet changing rates for prevailing rate groups, assuming they do not exceed moderate amounts, and

(c) To provide comparable adjustments in salaries and wages for nonacademic employees who are not under prevailing rate agreements.

The reduction in the requests of the deans and directors for salary and wage increases from a total of \$3,449,437 to \$2,400,000 will create a serious problem if national and international events cause a further increase in the cost of living. The Bureau of Labor Statistics index now stands where it did two years ago, but the trend of this index in recent months has been upward. Recently wage increases have been negotiated in many industries.

B. Growth and Development

The enrollment of the University will decline by moderate amounts during the next biennium. The enrollment of undergraduate students will decline somewhat more rapidly, but there will be continued large enrollments in the expensive branches of instruction, including the Professional Colleges in Chicago and the Graduate College. Except for special areas where initial investments in personnel and facilities must be protected, major additions to the staff or to expense and equipment budgets are not required.

It is not proposed to start new lines of work during the 1951-1953 biennium. For the most part, a good balance has been struck between

(a) The usual and wholly basic elements of teaching and research in a university,
(b) The new areas of science, technology, art, and general education opened up during World War II,

(c) The pressing demands of students for types of training that will enable them to earn a living, and

(d) The reasonable expectations of the people of the state for special services.

In some areas, however, a "down payment" has been made on staff and facilities; the first installments could be lost if further payments are not made. Hence the original requests of the deans and directors contained a sum of \$5,595,994, for the biennium for:

(a) Staff additions other than those included in the list of essential and contractual increases,

(b) Additions to regular expense and equipment budgets because of rising costs of supplies, and

(c) Nonrecurring expenditures for needed laboratory alterations and equipment.

A clear case was made for all these additions. Nevertheless, I feel that the emphasis must be placed on the consolidation of existing programs and activities. Only those additions should be made that will enable the several divisions to use to full advantage the personnel already appointed, adding to existing staff and budgets only where the need is urgent.

Some of the areas in which further installments in behalf of progress are thoroughly justified are the following:

(a) An increasing number of doctors and dentists are taking graduate work. This is the primary source of teachers and of research specialists in health and medicine. In addition to the clinical and technical staff for the Hospital addition, therefore, each of the professional colleges in Chicago will require personnel and expense funds for graduate studies. At the Professional Colleges, the Ph.D. degree is now offered in nine fields, and the Master of Science degree in eighteen fields.

(b) The major areas in agriculture should move steadily forward. Some staff additions and increases in expense and equipment are needed in marketing grain and livestock, the utilization of new materials in farm construction, soil fertility studies, the graduate program in animal science, and the unique program at Dixon Springs Experiment Station.

(c) The new Department of Food Technology needs further staff additions in the chemistry of oils, proteins, cereals, and fruits, and in microbiology.

(d) Forest nursery operations, already begun on a new tract, require increased support.

(e) The whole curriculum in Home Economics is being reorganized and the graduate program strengthened. Better facilities and added staff are needed in family housing, nutrition, child care, textiles and clothing, and home management.

(f) A graduate program for the College of Law rounds out years of steady progress toward the highest distinction. A new staff member and further funds for operating expense and for the law library are needed.

(g) Advanced instruction and research in support of industrial development and national safety are desirable.

(h) After years of study, the University of Illinois and the National Architectural Accrediting Board have agreed on a five-year program, with new graduate work in such fields as building construction and industrial design. Increased strength and facilities are required in the rapidly developing field of graphic arts, including printing and photography.

(i) The College of Education, now nearing the top, should not lose momentum. Staff and facilities are needed for experimental and classroom studies in counseling and guidance, in curriculum study and in methods of teaching. The Psychoeducational Clinic for the diagnosis and remedy of faulty reading habits and other handicaps also needs further support.

(j) The College of Liberal Arts and Sciences, the taproot of the technologies and applied sciences and the source of the offerings in general education, should continue to grow in stature. Further staff and operating expenses are needed in such areas as bacteriology, plant pathology, classics, creative writing, phonetics, cartography, clay mineralogy, statistics, radiobiology, and social and clinical psychology.

(k) A marked increase in the scope of the activities of the College of Commerce

and Business Administration should be supplemented by further facilities in secretarial training, marketing, and business statistics.

(l) The new Division of Communications, strongly supported by student choices in programs of study, needs funds for teaching and research in audio-visual aids and other forms of communication, in radio, advertising, editorial training, and in the new program of writing, directing, producing, and presenting to the public programs for television. Generous gifts are expected to provide the basic equipment, but added staff and operating expenses are of high priority.

(m) Other areas in which initial developments need safeguarding include the program in music in the high schools, the Small Homes Council, the School of Physical Education with its program of health education in the schools and of recreation in industries and communities, the University Library microfilming activities, and the Graduate College that, more clearly than before, has become the summit in public education in advanced scholarship and research.

In a final effort to get this part of the increase in the budget on a "bed-rock" basis, deans and directors were asked on September 25 to indicate *the minimum sums required to cover items of highest priority*. The result is shown in the following tabulation:

	<i>For the Biennium</i>
Liberal Arts and Sciences.....	\$159 230
Agriculture.....	235 080
Engineering.....	166 835
Graduate.....	45 587
Commerce.....	65 000
Education.....	199 470
Fine and Applied Arts.....	226 800
Physical Education.....	44 600
Law.....	58 550
Communications.....	213 300
University Extension.....	217 300
Institute of Aviation.....	17 200
Institute of Government and Public Affairs.....	3 000
Institute of Labor and Industrial Relations.....	23 476
Small Homes Council.....	25 750
Social Welfare Administration.....	11 800
Special Services for War Veterans.....	42 198 ¹
Administration and General.....	140 360
Library.....	117 120
Physical Plant.....	140 342
<i>Total Urbana—for the biennium.....</i>	<i>\$2 068 602</i>
Chicago Professional.....	278 919
Chicago Undergraduate.....	151 553
<i>Total—for the biennium.....</i>	<i>\$2 499 074</i>

For the purpose of meeting in part the needs above, all of which will be subject to further study and to reallocation in terms of actual enrollment and research needs, I am recommending an additional \$2,200,000 for the biennium.

This budget is a drastic reduction from what the deans and directors feel they should have in order to make progress at a satisfactory rate. In general, except for salary and wage rate increases, divisions will have to operate with about the same amount of money for the coming biennium as for the current biennium.

The bulk of the new funds will go into the contractual and new facilities requirements described earlier. The major portion of these funds (\$4,392,479) will go to the Chicago Professional Divisions. The large amounts of money *required* there make it inevitable, at the present time, that the new askings for other purposes be severely restricted.

IV. Estimated Savings Due to Decreased Enrollment

The total enrollment in the University of Illinois in 1949-1950 was larger than in 1948-1949; at Urbana-Champaign it was the highest in the history of the University. For 1950-1951, however, a downward turn of about 10 per cent has occurred

¹ Decrease.

at Urbana-Champaign and at the Chicago Undergraduate Division (Navy Pier). This trend probably will continue through the next biennium, resulting in an average decrease of about 2,000 students per year in undergraduate classes. The Graduate College is increasing steadily. Dentistry, Pharmacy, and Medicine will be operating at full capacity in all classes.

A pro rata saving based on decrease in enrollment is not possible. Classes have to be maintained, even if smaller. However, a substantial saving can be effected. Our present estimate of the amount is \$1,000,000 for the two years.

V. Revolving Increases

In spite of decreased enrollment and of decreased income from veterans' tuition, the resources of the *income* fund for the *educational* budget for the next biennium are estimated to be equal to those for the current biennium. There should be an unappropriated balance at the end of the present biennium, because of savings in 1950-1951. Also, outstanding accounts receivable for veterans' tuition will not be collectible until the next biennium.

The operations of the income fund are increasing as a result of more auxiliary, self-supporting activities (such as housing, food service, and bookstores). These operations will result in an estimated addition of \$1,500,000 to the income fund. The total amount must be applied to the operating expenses of these activities.

Summary

To summarize, the resulting total expenditures for the coming biennium, as compared with the present biennium, would be as follows:

<i>Fund</i>	<i>1949-1951</i>	<i>Proposed Increase</i>	<i>Proposed 1951-1953</i>
State Tax Funds.....	\$52 271 742	\$ 8 829 835	\$61 101 577
University Income Fund...	15 000 000	1 500 000	16 500 000
	<u>\$67 271 742</u>	<u>\$10 329 835</u>	<u>\$77 601 577</u>

Needless to say, there is more than the usual amount of uncertainty in predicting state and national trends. The University may be called upon for extraordinary services in instruction and research. The issue of war or peace is upon us; it affects all the decisions of youth and much of the work in our campus and field laboratories.

To meet all contingencies, I believe we should hold the University to its standards. Already there is a noteworthy sentiment in the military establishment for keeping intact the aims and programs of the higher institutions of learning.

The Provost and the Vice-President also made statements in support of these estimates.

Following extended discussion in which all members of the Board present participated, on motion of Mr. Livingston the President of the Board and the President of the University were empowered to use these estimates as the budgetary needs of the University and to discuss them with the Governor, the Illinois Budgetary Commission, and other state officials and legislative leaders.

AFFILIATION OF GRANT HOSPITAL WITH COLLEGE OF MEDICINE

(36) Dr. Meyer reported that the Committee on the Chicago Departments has considered the proposal, referred to it at the Board meeting on April 19, 1950, that Grant Hospital of Chicago be affiliated with the College of Medicine and moved approval.

This motion was adopted.

LEASE OF SPACE IN ARCADE BUILDING TO JOHN KATSINAS

(37) Mr. Livingston stated that he was asked to request consideration by the Board of the extension of the lease of space in the Arcade Building operated by Mr. John Katsinas, of Champaign, as a restaurant.

This matter was referred to the President, the Comptroller, the

Director of the Physical Plant, and other appropriate officials for consideration and a recommendation to the Board.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) report of contracts signed by the President and the Secretary of the Board, and deposited with the Secretary since the last report; (2) appointments made by the President; (3) graduate fellows; (4) resignations and declinations; (5) leaves of absence; (6) degrees conferred in August, 1950.

SECRETARY'S REPORT OF CONTRACTS

The Secretary presented for record the following document signed by the President and the Secretary of the Board, and deposited with the Secretary since the last report.

Crerar Clinch Coal Co., dated August 22, 1950, for 12,500 tons of coal at \$6.35 a ton, f.o.b. 1824 West Taylor Street, Chicago.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parenthesis is the date on which the appointment was made by the President of the University. Part-time appointments are shown by fractions after the name of the department. C = College; S = Station; E = Extension.)

- ADAMS, MRS. CATHARINE, Instructor, Education (University Council on Teacher Education) (35/100), academic year beginning September 1, 1950, \$1400 (9-19-50).
 AGASE, LOUIS, Assistant, Physical Education for Men ($\frac{1}{4}$), nine months beginning September 16, 1950, \$650; in addition to \$3600 a year paid by the Athletic Association (8-21-50).
 ALLEMAN, MRS. WINIFRED M., Agriculture Library Assistant, Library, one year beginning September 1, 1950, \$3240 (7-25-50).
 ANDERSON, JOHN R., Assistant, Radiology (Medicine), one year beginning July 1, 1950, without salary (7-24-50).
 ANDERSON, MRS. RUTH C., House Director, Gamma House, ten months beginning September 1, 1950, \$1120; for the convenience of the University, she will also be provided housing valued at \$10 a month, and three meals daily while dining halls are in operation valued at \$21 a month (9-12-50).
 ARKIN, JAMES, Instructor, Architecture (Undergraduate Division in Chicago) ($\frac{1}{4}$), academic year beginning September 1, 1950, \$2450 (8-15-50).
 ARON, KARL, Flight Instructor, Institute of Aviation, one year beginning September 1, 1950, \$4000 (9-22-50).
 ASCOLI, GIULIO, Instructor, Physics (C), academic year beginning September 1, 1950, \$4200 (7-21-50).
 ASROW, GERTRUDE, Research Assistant, Pediatrics (Medicine), one year beginning September 1, 1950, \$3600 (8-28-50).
 AUSUBEL, DAVID P., Assistant Professor, Education (Bureau of Research and Service), one year beginning September 1, 1950, \$5500 (7-10-50).
 AYERS, ROBERT L., Flight Instructor, Institute of Aviation, one year beginning September 1, 1950, \$4350, supersedes (9-22-50).
 BANNISTER, TURPIN C., Architecture, Summer Session of 1950, June 23-August 19, 1950, \$2222, supersedes (7-20-50).
 BARNETT, ZOLO G., Instructor, Education, academic year beginning September 1, 1950, \$3800 (8-20-50).
 BARRETT, HERBERT C., First Assistant, Horticulture (S), one year beginning September 1, 1950, \$4000 (9-1-50).
 BARRON, SAMUEL H., JR., Clinical Instructor, Pediatrics (Medicine) (45/100), one year beginning September 1, 1950, \$1750, supersedes (9-15-50).
 BARTO, PAUL B., Instructor, Veterinary Pathology and Hygiene (Veterinary Medicine), one year beginning September 1, 1950, \$4500 (7-24-50).
 BATCHER, OLIVE M., Assistant, Home Economics (C), one year beginning September 1, 1950, \$3300 (8-20-50).
 BAUMAN, LOYAL F., First Assistant, Plant Genetics (Agronomy) (S), one year beginning September 1, 1950, \$4000, supersedes (9-11-50).

- BEACH, JOSEPH W., Visiting Professor, English ($\frac{1}{2}$), academic year beginning September 1, 1950, \$5000 (7-24-50).
- BEBERMAN, MAX, Instructor, Education (University High School), academic year beginning September 1, 1950, \$3600 (8-29-50).
- BECKER, DONALD E., Assistant Professor, Animal Science (C & S), one year beginning September 1, 1950, \$5500 (7-21-50).
- BECKSTROM, JANICE E., Assistant, Agricultural Economics (E), eleven months beginning October 1, 1950, \$3300 a year (9-18-50).
- BEHRINGER, CLARA M., Instructor, Speech, academic year beginning September 1, 1950, \$3400 (7-24-50).
- BELL, JOHN M., Research Associate, Bureau of Research and Service (Graduate College), ten months beginning September 1, 1950, \$3666.70 (8-29-50).
- BERMAN, DAVID, Instructor, Applied Materia Medica and Therapeutics (Dentistry) (30/100), one year beginning September 1, 1950, without salary (8-20-50).
- BERNSTEIN, LEON, Clinical Instructor, Psychiatry (Medicine) ($\frac{1}{3}$), one year beginning September 1, 1950, \$1800 (9-18-50).
- BERTANI, GIUSEPPE, Research Associate, Bacteriology (Graduate College), one year beginning July 1, 1950, \$4350 (8-9-50).
- BETTS, EDWARD H., Instructor, Art, academic year beginning September 1, 1950, \$3000, supersedes (7-8-50).
- BHATTACHARYYA, PRABH K., Special Research Assistant, Chemistry (Graduate College), eleven months beginning August 1, 1950, \$3483.37 (7-25-50).
- BILD, MRS. BERNICE R., Assistant Counselor and Psychometrist, Student Counseling Bureau (Undergraduate Division in Chicago) ($\frac{1}{2}$), July 6-August 31, 1950, \$162.50 a month, supersedes (7-25-50).
- BIRD, MRS. THELMA C., Library School Library Assistant, one year beginning September 1, 1950, \$3000 (8-16-50).
- BIRDZELL, RUTH A., Research Assistant, Bureau of Economic and Business Research, one year beginning September 1, 1950, \$3200, supersedes (8-21-50).
- BLACKMORE, WILLIAM P., Instructor, Manufacturing Pharmacy, and Manufacturing Pharmacist (Hospital Pharmacy) (Pharmacy) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$2000, supersedes (9-12-50).
- BOLAND, PATRICIA J., Research Assistant, Physics (C), eleven months beginning October 1, 1950, \$3840 a year (9-7-50).
- BOSKOFF, ALVIN, Instructor, Sociology, academic year beginning September 1, 1950, \$3800 (7-8-50).
- BRANIGAN, DUANE A., Professor, Music, indefinite tenure, to render service during each academic year and Acting Director, School of Music (on Y basis), one year, beginning September 1, 1950, \$9250 a year, supersedes (9-8-50).
- BREBIS, GEORGE J., Instructor, Medicine (Medicine) ($\frac{1}{2}$), one year beginning September 1, 1950, \$2700, supersedes (8-28-50).
- BREBIS, GEORGE J., Instructor, Medicine (Medicine) ($\frac{1}{2}$), three months beginning June 1, 1950, \$225 a month, supersedes (8-3-50).
- BRILL, JAMES W., Research Assistant, Mechanical Engineering (C), eleven months beginning October 1, 1950, \$3000 a year (9-18-50).
- BRONSTEIN, I. PAT, Clinical Associate Professor, Pediatrics (Medicine), indefinite tenure beginning September 1, 1950, without salary, supersedes (9-15-50).
- BROWN, CHARLES H., Visiting Professor, Library Science, first semester of the academic year 1950-1951, \$3000 payable in six monthly installments beginning September 1, 1950 (8-30-50).
- BROWN, WALTER N., Associate, Vegetable Crops (Horticulture) (C & S), one year beginning September 1, 1950, \$5000, supersedes (9-11-50).
- BRUNNEMEYER, HENRY R., Assistant Professor, Agricultural Extension, and Assistant State Leader of Farm Advisers (E), one year beginning September 1, 1950, \$7000 (7-21-50).
- BRUNNER, ELDON J., Flight Instructor, Institute of Aviation, one year beginning September 1, 1950, \$4100 (9-15-50).
- BUCKLER, WILLIAM E., Instructor, English ($\frac{1}{3}$), six months beginning September 1, 1950, \$584, and on full time, six months beginning March 1, 1951, \$1750, to render service during the academic year (8-3-50).
- BUFFA, ELWOOD S., Assistant Professor, Mechanical Engineering (C), academic year beginning September 1, 1950, \$5000 (8-17-50).

- BURGH, JOSEPH F., JR., Assistant, Full and Removable Partial Dentures (Dentistry) (1/5), one year beginning September 1, 1950, without salary (8-20-50).
- BURSTONE, MARVIN S., Assistant Professor, Oral Pathology (Dentistry), one year beginning July 1, 1950, \$5000, supersedes (7-24-50).
- BYESS, WILLIAM F., Assistant Professor, Foreign Language (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$5200 (7-24-50).
- CAMPBELL, MARY J., Catalog Assistant, Library (Chicago Professional Colleges), one year beginning September 1, 1950, \$3500 (7-10-50).
- CARTER, GERALD C., Associate Professor, Psychology (Division of University Extension), indefinite tenure beginning September 1, 1950, \$6500 a year, supersedes (8-9-50).
- CHAN, THOMIE, Research Assistant, Medicine (Medicine), one year beginning September 1, 1950, \$2930 (8-28-50).
- CHAUFOURNIER, ROGER, Research Assistant, Economics, one year beginning July 1, 1950, \$5400 (7-7-50).
- CHEN, HAN K., Research Associate, Electrical Engineering (Graduate College), academic year beginning September 1, 1950, \$3000 (8-20-50).
- CHEW, GEOFFREY F., Assistant Professor, Physics (C), academic year beginning September 1, 1950, \$5600 (8-7-50).
- CLARK, WILLIAM C., Research Assistant, Physiology (Graduate College), August 20, 1950-August 31, 1951, \$4000 a year (8-28-50).
- CLAYTON, GEORGE T., Assistant Professor, Architecture, academic year beginning September 1, 1950, \$4500 (8-17-50).
- CLORE, RUTH E., Instructor, Nursery School (Division of Special Services for War Veterans), academic year beginning September 1, 1950, \$3400 (7-8-50).
- COLLINS, MRS. EMMA H., Instructor, Anatomy (Medicine), academic year beginning September 1, 1950, \$3200 (8-30-50).
- COLLINS, MAURINE, Exchange Reviser, rank of Instructor, Library, one year beginning September 1, 1950, \$4000 (on leave of absence without pay from November 1 through December 31, 1950), supersedes (8-5-50).
- COLTON, SUSANNA B., Instructor, Home Economics (C), academic year beginning September 1, 1950, \$3500 (9-8-50).
- COMPTON, CHARLES E., Assistant, Plant Pathology (Horticulture) (Graduate College) (1/2), nine months beginning September 1, 1950, \$133.33 a month, and on full time, two months beginning June 1, 1951, \$250 a month (9-12-50).
- CONNELL, W. F., Assistant Professor, Education, two years beginning September 1, 1951, to render service during each academic year, \$4500 a year (8-22-50).
- COOK, MERRIBETH, Periodical Assistant, Library, one year beginning September 1, 1950, \$3000 (8-20-50).
- COOLIDGE, WILLIAM F., Assistant Professor, Agricultural Extension, and Assistant State Leader of Farm Advisers (E), one year beginning September 1, 1950, \$7000 (7-15-50).
- CORE, ALFRED C., Assistant, Chemistry (Pharmacy), ten months beginning September 1, 1950, \$2600 (8-11-50).
- CRAIN, SUE C., Instructor, Education, academic year beginning September 1, 1950, \$4000, supersedes (9-11-50).
- CREASER, JAMES W., Psychometrist, Student Counseling Bureau, one year beginning September 1, 1950, \$3800 (7-24-50).
- CROWLEY, THOMAS F., Assistant Professor, Hygiene, and Medical Adviser for Men (Health Service), one year beginning September 1, 1950, \$7200 (8-18-50).
- CUTLER, HOWARD A., Instructor, Economics (2/5), and Assistant to the Dean (Commerce and Business Administration) (3/5), one year beginning September 1, 1950, \$5250, supersedes (8-12-50).
- DAMRIN, DORA E., Research Associate, Bureau of Research and Service, ten months beginning September 1, 1950, \$3500 (8-3-50).
- DAVENPORT, WILLIAM B., Research Assistant, Law, three months beginning September 18, 1950, \$250 a month (9-12-50).
- DECKER, GEORGE C., Professor, Entomology (Liberal Arts and Sciences and Agriculture), indefinite tenure, to render service during each academic year, and Entomologist (S) (18/100), indefinite tenure (on Y basis), beginning September 1, 1950, \$1500 a year (in addition to \$7000 a year paid by the State Natural History Survey for which the University assumes no responsibility), supersedes (8-11-50).

- DERIDDER, LAWRENCE M., Assistant Professor, Psychology, and Counselor, Student Counseling Bureau (Undergraduate Division in Chicago), one year beginning September 1, 1950, \$5200 (9-8-50).
- DICKEY, ROBERT I., Associate Professor, Accountancy ($\frac{3}{4}$), indefinite tenure, and Assistant Dean (Commerce and Business Administration) ($\frac{1}{4}$), one year, beginning September 1, 1950, to render service during each academic year, \$6150 a year, supersedes (8-15-50).
- DILLEY, NORMAN E., Instructor, Student Teaching (University Council on Teacher Education) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$2000 (8-5-50).
- DOOLIN, PAUL F., Research Assistant, Zoology, nine months beginning September 16, 1950, \$2400 (7-24-50).
- DORNBUSCH, SANFORD M., Social Sciences (Undergraduate Division in Chicago), Summer Session of 1950 ($\frac{1}{2}$), eight weeks beginning June 26, 1950, \$375 (7-28-50).
- DORNBUSCH, SANFORD M., Instructor, Social Sciences (Undergraduate Division in Chicago) ($\frac{2}{5}$), academic year beginning September 1, 1950, \$1350 (8-21-50).
- DOTSON, MRS. FRANCES S., Research Assistant, Bureau of Economic and Business Research (Commerce and Business Administration), and in Mechanical Engineering (C), one year beginning September 1, 1950, \$3000 (8-20-50).
- DOTY, PAUL C., Research Assistant, Soil Fertility (Agronomy) (S), one year beginning September 1, 1950, \$3400 (9-11-50).
- DRYDEN, HUGH L., JR., Research Assistant, Chemistry (Graduate College), one year beginning September 16, 1950, \$3600 (7-14-50).
- DUBIN, SAMUEL S., Assistant Professor, Psychology, academic year beginning September 1, 1950, \$4000 (7-28-50).
- DUKE, BETTY LOU, Research Assistant, Medicine (Medicine), October 12, 1950-June 30, 1951, \$244.17 a month (8-28-50).
- DUNLAP, LESLIE W., Associate Professor, Library Science, January 1, 1951, through the second semester of the academic year 1950-1951, \$500 a month (7-21-50).
- DURISCH, LAWRENCE L., Visiting Professor, Political Science, five months beginning September 1, 1950, \$4500 (7-24-50).
- EDMONDS, MARY P., Research Assistant, Chemistry (Graduate College), one year beginning September 1, 1950, \$4000 (8-20-50).
- EDWARDS, JOSEPH D., JR., Research Assistant, Chemistry, one year beginning September 1, 1950, \$3900 (8-3-50).
- ELSTNER, RICHARD C., Research Associate, Theoretical and Applied Mechanics (S), one year beginning September 1, 1950, \$4200 (8-25-50).
- EMERY, WILLIS L., Associate Professor, Electrical Engineering (C), academic year beginning September 1, 1950, \$5500 (8-17-50).
- FARRIS, DOROTHY F., Assistant Head Resident, Lincoln Avenue Residence (South Half), ten months beginning September 1, 1950, \$2400; for the convenience of the University, she will also be provided three meals daily valued at \$168 (8-17-50).
- FASSLER, LOUISE, Instructor, Social Welfare Administration (Chicago Professional Colleges' Unit), one year beginning September 1, 1950, \$3660 (8-8-50).
- FAWCETT, CLARENCE G., Physical Sciences (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$856, supersedes (7-15-50).
- FELDMAN, LOUIS I., Research Associate, Bacteriology (Graduate College), one year beginning September 1, 1950, \$3600 (8-29-50).
- FISHER, MARVIN, JR., Assistant, Electrical Engineering, nine months beginning September 16, 1950, \$2400 (8-15-50).
- FRAZIER, RALPH P., Instructor, Education (University Council on Teacher Education) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$2000 (9-19-50).
- FREUDENTHAL, ALFRED M., Research Consultant, Theoretical and Applied Mechanics (S) ($\frac{1}{5}$), one year beginning September 1, 1950, \$2400 (9-8-50).
- FROTHINGHAM, CHARLES W., Instructor, Student Teaching (University Council on Teacher Education) ($\frac{1}{4}$), academic year beginning September 1, 1950, \$2000 (8-20-50).
- FUMI, FAUSTO G., Research Associate, Physics (Graduate College), six months beginning September 1, 1950, \$266.67 a month (8-1-50).
- GABIS, STANLEY T., Social Sciences (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$756, supersedes (7-15-50).

- GAEBE, OLIVER F., Assistant Professor, Agricultural 4-H Club Work (E), June 12-August 31, 1950, \$475 a month, supersedes (7-24-50).
- GAGE, LAWRENCE E., Assistant, Dairying Research (Dairy Science) (S), one year beginning September 1, 1950, \$2640 (7-25-50).
- GAIER, EUGENE L., Instructor, Education, academic year beginning September 1, 1950, \$4000 (9-8-50).
- GARDNER, WILLIAM L., Research Assistant, Radiology (Medicine), eleven months beginning August 1, 1950, \$350 a month (8-28-50).
- GARRISON, HUGH, Assistant, Radiology (Medicine), one year beginning July 1, 1950, without salary (7-24-50).
- GIBSON, DAVID M., Research Assistant, Chemistry (Graduate College), one year beginning September 1, 1950, \$4000 (7-25-50).
- GIBSON, GLENN G., Clinical Instructor, Pediatrics (Medicine) (45/100), one year beginning September 1, 1950, \$1750, supersedes (9-15-50).
- GIDDINGS, NORMAN C., Instructor, Spanish, academic year beginning September 1, 1950, \$3500 (8-20-50).
- GRANDT, ALTEN F., First Assistant, Soil Fertility (Agronomy) (S), one year beginning September 1, 1950, \$4200, supersedes (9-11-50).
- GRATZINGER, MAX, Instructor, Applied Materia Medica and Therapeutics (Dentistry) (3/10), one year beginning September 1, 1950, without salary (8-20-50).
- GRUBB, MAXINE, Periodical Assistant, Library, one year beginning September 1, 1950, \$3400 (9-18-50).
- GRUEN, WALTER, Research Associate, Psychology (Graduate College), one year beginning September 16, 1950, \$4000 (9-20-50).
- HAAS, LEWIS L., Assistant Professor, Radiology (Medicine) ($\frac{1}{2}$), one year beginning September 1, 1950, \$3000, supersedes (8-30-50).
- HAGENSON, SARA L., Instructor, Nursery School (Division of Special Services for War Veterans), academic year beginning September 1, 1950, \$3300 (8-15-50).
- HANDLER, JOEL S., Assistant Professor, Psychiatry (Medicine), one year beginning September 1, 1950, \$7200, supersedes (8-30-50).
- HARDER, VIRGIL E., Assistant, Business English, nine months beginning September 16, 1950, \$3000 (7-24-50).
- HARKNESS, BRUCE, Instructor, English, academic year beginning September 1, 1950, \$3500 (7-24-50).
- HAUCK, DAVID W., Flight Instructor, Institute of Aviation, one year beginning September 1, 1950, \$4350, supersedes (9-22-50).
- HAY, ELIZABETH D., Research Assistant, Zoology (Graduate College), three months beginning June 16, 1950, \$150 a month (8-1-50).
- HAY, WILLIAM W., Civil Engineering, Summer Session of 1950, full time, June 23-August 19, 1950, \$1223, supersedes (8-28-50).
- HAYNES, THOMAS M., Instructor, Philosophy, academic year beginning September 1, 1950, \$3000 (8-15-50).
- HAYNES, THOMAS M., Instructor, Philosophy, academic year beginning September 1, 1950, \$3300, supersedes (9-22-50).
- HEATH, HELEN A., Instructor, Psychology (Psychiatry) (Medicine), two months beginning July 1, 1950, \$416 a month (7-10-50).
- HEATH, HELEN A., Instructor, Psychology (Psychiatry) (Medicine), seven months beginning September 1, 1950, \$4992 a year (7-10-50).
- HEITZBERG, CHARLES A., Assistant, Electrical Engineering (C) ($\frac{1}{2}$), nine months beginning September 16, 1950, \$1200, and Research Assistant, Electrical Engineering (S) ($\frac{1}{2}$) (on Y basis), one year beginning September 1, 1950, \$1650, supersedes (9-19-50).
- HEKFINDAHL, ORRIS C., Assistant Professor, Economics, academic year beginning September 1, 1950, \$5000 (7-12-50).
- HICKENLOOPER, IRBY J., Research Associate, Civil Engineering (S), one year beginning September 1, 1950, \$4200, supersedes (8-22-50).
- HILL, CHARLES R., Assistant Professor, Industrial Education, academic year beginning September 1, 1950, \$4500 (8-7-50).
- HILL, LYMAN L., Research Assistant, Mechanical Engineering (C), one year beginning September 1, 1950, \$3000 (7-21-50).
- HINCHCLIFF, KEITH H., Associate Professor, Farm Structures (Agricultural Engineering) (S & E), indefinite tenure beginning July 1, 1950, \$7500 a year, supersedes (8-1-50).

- HINTON, ROYCE A., Assistant, Agricultural Economics (S), one year beginning September 1, 1950, \$4000 (8-3-50).
- HIVON, KATHARINE J., Assistant Professor, Home Economics (C), one year beginning September 1, 1950, \$5000 (8-18-50).
- HODGELL, MURLIN R., First Assistant, Agricultural Engineering (S), September 10, 1950-August 31, 1951, \$4500 a year (8-17-50).
- HOGNESTAD, EIVIND, Research Assistant Professor, Theoretical and Applied Mechanics (S), one year beginning September 1, 1950, \$5000 (7-29-50).
- HOLL, JOHN W., Research Assistant, Mechanical Engineering (S), September 1, 1950-June 15, 1951, \$3200 a year (7-24-50).
- HOLLOWAY, FRANK L., Instructor, Physical Sciences (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$4000 (8-15-50).
- HOLMES, RICHARD R., Research Assistant, Chemistry, one year beginning September 1, 1950, \$3900 (8-3-50).
- HOLTZMAN, ROBERT H., Assistant, Education (University High School), nine months beginning September 16, 1950, \$3200 (9-8-50).
- HORNBERGER, CARL S., JR., Research Assistant, Bacteriology (Graduate College), nine months beginning September 16, 1950, \$2400 (9-22-50).
- HORWITZ, MURRAY, Assistant Professor, Education (Bureau of Research and Service), one year beginning September 1, 1950, \$5300 (7-10-50).
- HOUSE, ARTHUR S., Assistant, Speech, nine months beginning September 16, 1950, \$3000 (8-20-50).
- HOWARD, LORN, Research Assistant, Electrical Engineering (C), one year beginning September 1, 1950, \$4000 (8-21-50).
- HUGHES, EDWIN L., Research Assistant, Electronic Digital Computer (Graduate College), one year beginning September 16, 1950, \$3960, supersedes (9-18-50).
- HUSBANDS, KENNETH L., Instructor, Student Teaching (University Council on Teacher Education) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$2000 (7-21-50).
- INSKIP, HAROLD K., Instructor, Chemistry, academic year beginning September 1, 1950, \$3900 (8-29-50).
- IRVINE, L. JANE, Instructor, Otolaryngology (Medicine), academic year beginning September 1, 1950, without salary (7-24-50).
- IVERSON, MRS. ALICE F., Mathematics (Undergraduate Division in Chicago), Summer Session of 1950 (5/6), eight weeks beginning June 26, 1950, \$738 (7-21-50).
- JACKSON, FREDERICK H., Instructor, History (Division of General Studies), academic year beginning September 1, 1950, \$3800 (7-8-50).
- JAYANTI, ROUSSEAU S., Instructor, Physical Education for Men ($\frac{1}{2}$), academic year beginning September 1, 1950, \$1600 (8-21-50).
- JESSEN, GAIL P., Research Assistant, Psychology (Graduate College), ten months beginning September 1, 1950, \$2666.70 (8-28-50).
- JOHNSON, MRS. ANN T., Catalog Assistant, Library, one year beginning September 1, 1950, \$3400, supersedes (9-12-50).
- JOHNSON, BEATRICE E., Research Assistant, Psychology (Graduate College), one year beginning July 1, 1950, \$3800, supersedes (7-21-50).
- JOHNSON, BETTY V., Instructor, Home Economics (C), academic year beginning September 1, 1950, \$3800 (8-5-50).
- JOHNSON, CARL E., Instructor, Chemistry, academic year beginning September 1, 1950, \$3900 (7-24-50).
- JOHNSON, CHARLES E., Instructor, Student Teaching (University Council on Teacher Education) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$2000 (7-21-50).
- JOHNSON, MRS. IDA B., Instructor, Home Economics (C), academic year beginning September 1, 1950, \$3750 (9-14-50).
- JOHNSON, ROBERT B., Research Assistant, Chemistry (Graduate College), one year beginning October 1, 1950, \$4060 (8-20-50).
- JOHNSTON, DOROTHY J., Assistant, Dairy Science (S), one year beginning September 1, 1950, \$3000 (7-21-50).
- JONES, GLADYS L., Instructor, Student Teaching (University Council on Teacher Education) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$2000 (8-8-50).
- KAHANE, MRS. RENÉE T., Research Assistant, Spanish (Graduate College), nine months beginning September 16, 1950, \$2400 (8-8-50).
- KAISER, GEORGE D., Assistant Professor, Anatomy, without salary, Assistant Professor, Surgery (45/100) (Medicine), and Assistant Medical Director, Research

- and Educational Hospitals (20/100), one year beginning September 1, 1950, \$4950 (9-12-50).
- KAISER, GERTRUDE E., Assistant State Leader, and Assistant Professor, Home Economics (E), one year beginning September 1, 1950, \$4900, supersedes (9-15-50).
- KAUFMANN, OLIVER W., Instructor, Food Microbiology (Food Technology) (C) ($\frac{1}{2}$), and (S) ($\frac{1}{2}$), one year beginning September 1, 1950, \$4500 (7-19-50).
- KEAGLE, FOSTER, Instructor, Education, academic year beginning September 1, 1950, \$4000 (9-15-50).
- KECK, CHARLOTTE, Assistant, Speech, nine months beginning September 16, 1950, \$2400, supersedes (8-15-50).
- KEITH, WALTER M., Instructor, Landscape Architecture, academic year beginning September 1, 1950, \$3600 (7-20-50).
- KELLY, JAMES C., Associate Professor, Speech, indefinite tenure beginning September 1, 1950, to render service during each academic year, \$5300 a year (8-9-50).
- KEMMERER, HARLEIGH R., Instructor, Horticulture (E), one year beginning September 1, 1950, \$4500 (9-1-50).
- KEMPE, LLOYD L., Assistant Professor, Food Engineering (Food Technology) (C) ($\frac{1}{2}$), and (S) ($\frac{1}{2}$), two years beginning September 1, 1950, \$6000 (7-19-50).
- KERWOOD, LEWIS O., Administrative Assistant (Commerce and Business Administration), August 1, 1950-August 31, 1951, \$5250 a year, supersedes (8-12-50).
- KHACHATURIAN, NARBAY, Instructor, Civil Engineering (C) ($\frac{3}{4}$), academic year beginning September 1, 1950, \$2250, supersedes (8-5-50).
- KILEY, JEANNE A., Physical Sciences (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$712, supersedes (7-15-50).
- KINGSTON, JOHN F., Assistant, Verbal Communication (Division of General Studies), nine months beginning September 16, 1950, \$2600 (8-8-50).
- KNOX, ELLIS G., Assistant, Soil Physics (Agronomy) (S), one year beginning September 1, 1950, \$3300 (8-8-50).
- KOEPPE, ROGER E., Research Assistant, Chemistry (Graduate College), one year beginning September 1, 1950, \$3800 (8-15-50).
- KOHN, PAUL, Instructor, Biological Chemistry (Medicine), academic year beginning September 1, 1950, \$3800 (8-28-50).
- KOSTALEK, MARY, Clinical Instructor, Pediatrics (Rush) (Medicine) (1/5), one year beginning September 1, 1950, \$900 (8-28-50).
- KREBS, ALFRED H., Instructor, Agricultural Education, and Counselor (University Council on Teacher Education), academic year beginning September 1, 1950, \$4000 (8-8-50).
- KULP, DONALD A., First Assistant, Forestry (S), one year beginning September 1, 1950, \$4200, supersedes (8-16-50).
- KUMMEROW, FRED A., Assistant Professor, Food Chemistry (Food Technology) (C & S), September 16, 1950-August 31, 1951, \$6500 a year (8-30-50).
- KURTZ, THEODORE B., Assistant Professor, Crowns and Fixed Partial Dentures (Dentistry) ($\frac{3}{4}$), one year beginning September 1, 1950, \$5500 (7-10-50).
- LANDE, MILTON J., Assistant, Orthodontia (Dentistry), one year beginning September 1, 1950, \$2930 (8-30-50).
- LANGDON, JOHN C., Clinical Counselor, Student Counseling Bureau, one year beginning September 1, 1950, \$3500 (8-8-50).
- LANIER, LYLE H., Professor, Psychology and Head of the Department, indefinite tenure beginning August 1, 1950, to render service during each academic year, \$11,000 (7-11-50).
- LARIVIERE, ROSE, Instructor, Mathematics (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$4000 (9-7-50).
- LASKA, JOHN J., Assistant, Education (University High School), nine months beginning September 16, 1950, \$3200 (9-8-50).
- LATTA, PHILIP R., Clinical Instructor, Dermatology (Medicine), four months beginning May 1, 1950, without salary (8-5-50).
- LAVATELLI, LEO S., Assistant Professor, Physics (C), academic year beginning September 1, 1950, \$5000 (7-21-50).
- LAZAR, IRVING, Instructor, Education, academic year beginning September 1, 1950, \$4200 (7-24-50).
- LEEDS, WILLARD L., Instructor, Education, and Counselor (University Council on Teacher Education) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$2000 (7-21-50).

- LIFTON, WALTER M., Assistant Professor, Education, academic year beginning September 1, 1950, \$5000 (5-12-50).
- LINK, ROBERT P., Assistant Professor, Architecture, two years beginning September 1, 1950, to render service during each academic year, \$4800 a year (7-14-50).
- LINSKY, LEONARD, Instructor, Philosophy, seven months beginning February 1, 1951, to render service during the second semester of the academic year, \$1900 (8-5-50).
- LIPIN, JEROME L., Research Assistant, Physiology (Medicine), three months beginning July 1, 1950, \$200 a month (9-15-50).
- LIVERMORE, OGDEN, Physics (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$1110, supersedes (8-8-50).
- LONG, THELMA F., Instructor, Home Economics (C), academic year beginning September 1, 1950, \$3200 (8-5-50).
- LOOKER, CHARLES B., JR., Assistant Professor, Architecture, academic year beginning September 1, 1950, \$4000, supersedes (8-1-50).
- LUNDQUIST, RICHARD E., Instructor, Accountancy (Business Organization and Operation), academic year beginning September 1, 1950, \$4200 (9-8-50).
- LUSSMAN, DONALD E., Instructor, Chemistry (Pharmacy), academic year beginning September 1, 1950, \$3200 (7-24-50).
- LUTHER, KATHRYN L., Catalog Assistant, Library, one year beginning September 1, 1950, \$3330 (8-8-50).
- MAAS, LeROY, Instructor, Oral Surgery (Rush) (Oral and Maxillofacial Surgery) (Dentistry), one year beginning September 1, 1950, without salary (8-20-50).
- MACKIN, MRS. MARTHA H., Instructor, Physical Sciences, academic year, \$3500, and Staff Counselor, Student Counseling Bureau, with additional compensation of \$500 a year (Undergraduate Division in Chicago), beginning September 1, 1950, supersedes (9-18-50).
- MADER, GEORGE E., Research Assistant, Physics (S), one year beginning September 1, 1950, \$3240 (8-29-50).
- MADISON, KENNETH M., Assistant Professor, Biological Sciences (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$4500 (8-7-50).
- MANDEVILLE, MERTON J., Professor, Management (Business Organization and Operation), indefinite tenure beginning September 1, 1950, to render service during each academic year, \$6800 a year (7-24-50).
- MARCUS, RICHARD E., Assistant Professor, Otolaryngology (Medicine), one year beginning September 1, 1950, \$4880, supersedes (8-30-50).
- MARCUS, RICHARD E., Instructor, Otolaryngology (Medicine), three months beginning June 1, 1950, \$287.50 a month, supersedes (7-24-50).
- MARKSBERRY, MARY L., Research Assistant, Provost's Office, nine months beginning September 1, 1950, \$350 a month (8-22-50).
- MARSHALL, MILLARD R., Instructor, Anatomy (Medicine) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$1500 (9-12-50).
- MARTIN, G. E., Instructor, Marketing (Business Organization and Operation), academic year beginning September 1, 1950, \$4200, supersedes (9-8-50).
- MARTIN, NORMAN M., Instructor, Philosophy, academic year beginning September 1, 1950, \$3000 (8-5-50).
- MATHENY, WILLIAM G., Assistant Professor, Psychology, one year beginning September 1, 1950, \$5400, supersedes (8-21-50).
- MAURY, MRS. JEAN H., Manager, Office of Public Information (Undergraduate Division in Chicago), two months beginning July 1, 1950, \$380 a month (8-3-50).
- McAVOY, WILLIAM C., Assistant (Graduate College), June 23-August 19, 1950, \$560 (7-20-50).
- MCCLELLAN, JAMES E., JR., Instructor, Education (University High School), academic year beginning September 1, 1950, \$3300 (7-21-50).
- MCDANIEL, JOSEPH C., Assistant Professor, Horticulture (E), August 1, 1950-August 31, 1951, \$5100 a year (8-9-50).
- McELROY, DONALD LUDDEN, Instructor, Applied Materia Medica and Therapeutics (Dentistry) (3/10), one year beginning September 1, 1950, without salary (8-20-50).
- McNEE, JOHN D., JR., Assistant Professor, Art (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$4800 (8-7-50).
- McNEIL, ETHEL, Associate Professor, Veterinary Pathology and Hygiene (Veterinary Medicine), indefinite tenure beginning September 1, 1950, \$6000 a year (7-10-50).

- MEARS, ROBERT C., Assistant, Physical Education for Men, nine months beginning September 16, 1950, \$2800 (8-15-50).
- MEYER, JULIA, Research Associate, Oral Pathology (Dentistry), one year beginning July 1, 1950, \$4200 (7-24-50).
- MICHAEL, ERNEST D., Instructor, Physical Education for Men ($\frac{1}{2}$), academic year beginning September 1, 1950, \$1600 (8-15-50).
- MIHELICH, LEWIS, Psychiatrist, and Associate Professor of Hygiene (Health Service), one year beginning September 1, 1950, \$9500 (7-19-50).
- MIKOLAJCZYK, HENRY L., Architecture (Undergraduate Division in Chicago), Summer Session of 1950 (2/3), eight weeks beginning June 26, 1950, \$890, supersedes (8-3-50).
- MOJE, WILLIAM, Research Assistant, Chemistry, one year beginning September 1, 1950, \$3900 (8-3-50).
- MONTGOMERY, LOREN N., Research Assistant, Mechanical Engineering (S), one year beginning September 1, 1950, \$3000 (8-16-50).
- MOORE, FREDERICK T., Assistant Professor, Economics, academic year beginning September 1, 1950, \$4500 (8-22-50).
- MRAZEK, MRS. HAZEL S., Medical Advisor for Women, Health Service (Chicago Professional Colleges) (3/5), one year beginning September 1, 1950, \$3600 (8-8-50).
- MUDGE, RICHARD B., Assistant, Education (University High School), October 9, 1950-June 15, 1951, \$3400 a year (9-22-50).
- MUNSON, BYRON E., Research Associate, Sociology ($\frac{1}{2}$), one year beginning August 1, 1950, \$2004 (9-14-50).
- MUSGRAVE, STANLEY D., Assistant Professor, Dairy Production (Dairy Science) (C & S), October 27, 1950-August 31, 1951, \$4750 a year (9-11-50).
- MYERS, JOHN J., Research Associate, Electrical Engineering (S) ($\frac{3}{4}$), one year beginning September 1, 1950, \$3900 (7-21-50).
- NEWTON, MRS. WINIFRED C., Assistant, Home Economics (S), one year beginning September 1, 1950, \$3000 (8-15-50).
- NICKELS, WALTER A., Flight Instructor, Institute of Aviation, one year beginning September 1, 1950, \$3850 (8-5-50).
- NICKLAS, DOUGLASS R., Graduate Research Assistant, Psychology, three months beginning June 1, 1950, \$266.66 a month, supersedes (6-28-50).
- OSBORNE, JAMES W., Assistant, Physics (Graduate College), two months beginning July 1, 1950, \$534 (7-21-50).
- OWEN, MRS. ROYENE F., Instructor and First Assistant, Home Economics (C) ($\frac{1}{2}$), one year beginning September 1, 1950, \$1850, supersedes (8-1-50).
- PARKER, FRANKLIN D., Assistant, History (Division of General Studies), nine months beginning September 16, 1950, \$2600 (7-8-50).
- PARKER, HOMER S., Clinical Instructor, Pediatrics (Rush) (Medicine) (1/5), one year beginning September 1, 1950, \$900 (8-28-50).
- PATKA, RITA M., Registered Pharmacist, Hospital Pharmacy (Pharmacy), one year beginning September 1, 1950, \$3480 (8-28-50).
- PELLETIER, S. WILLIAM, Research Assistant, Chemistry (Graduate College), ten months beginning September 1, 1950, \$3250 (8-29-50).
- PETERSEN, FREDRICK A., Research Professor, Ceramic Engineering (S), one year beginning September 1, 1950, \$8000, supersedes (9-8-50).
- PETERSON, ROBERT LENUS, Instructor, Management (Business Management Service), and Administrative Assistant, Provost's Office, one year beginning September 1, 1950, \$6500, supersedes (8-1-50).
- PETTICREW, GEORGE A., Research Associate, Electrical Engineering (S), eleven months beginning October 1, 1950, \$5200 a year, supersedes (9-18-50).
- PHILLIPS, BETTYE J., Instructor, Home Economics (C), academic year beginning September 1, 1950, \$3300 (7-21-50).
- PIERCE, BEVERLY J., Assistant Teacher, Nursery School (Division of Special Services for War Veterans), academic year beginning September 1, 1950, \$2700 (7-8-50).
- PINSKA, ELIZABETH J., Research Assistant, Bacteriology (Graduate College), one year beginning July 1, 1950, \$3000 (7-21-50).
- PITT, CARL A., Instructor, Speech (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$4200 (7-24-50).
- PLUMMER, RAYMOND B., Research Associate, Civil Engineering (S) ($\frac{1}{4}$), one year beginning September 1, 1950, \$1125 (9-11-50).
- POHNDORF, RICHARD H., Instructor, Physical Education for Men, academic year beginning September 1, 1950, \$3900 (8-15-50).

- POOLE, FLORENCE L., Associate Professor, Social Welfare Administration, academic year beginning September 1, 1950, \$6000 (7-10-50).
- POTTER, ROBERT E., Instructor, Education (University High School), academic year beginning September 1, 1950, \$3300 (8-28-50).
- PURNELL, ISABELLE, Research Assistant, Bureau of Economic and Business Research, five months beginning September 1, 1950, \$1666.65 (9-8-50).
- RADICE, CANIO, Instructor, Art (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$3900, supersedes (9-19-50).
- RADZIMOVSKY, EUGENE I., Research Assistant, Mechanical Engineering (C), one year beginning September 1, 1950, \$3600 (8-8-50).
- REDDEN, HUGH F., Instructor, Physical Education for Men ($\frac{1}{4}$), academic year beginning September 1, 1950, \$800 (8-15-50).
- REPLINGER, JOHN G., Research Associate, Architecture (Graduate College), one year beginning September 1, 1950, \$3800 (7-21-50).
- RIFFEY, MRS. MADELINE S., Administrative Assistant and Instructor, Library Science, one year beginning September 1, 1950, \$3660 (7-24-50).
- ROBINS, HARRY F., Instructor, English, academic year beginning September 1, 1950, \$3500 (8-3-50).
- ROBINSON, DUANE M., Associate Professor, Recreation (Physical Education for Men), academic year beginning September 1, 1950, \$7000 (8-21-50).
- ROCHELLE, RENE H., Instructor, Physical Education for Men ($\frac{1}{2}$), academic year beginning September 1, 1950, \$1600 (8-15-50).
- ROCKWOOD, MRS. RUTH H., Illini Union Browsing Room Librarian, rank of Instructor, one year beginning September 1, 1950, \$3660, supersedes (8-5-50).
- ROERTGEN, MRS. ELSIE B., Instructor, Education (University High School) ($\frac{3}{4}$), academic year beginning September 1, 1950, \$2350 (7-27-50).
- ROSS, DICK C., Assistant, Commerce and Business Administration (Undergraduate Division in Chicago), nine months beginning September 16, 1950, \$3000 (8-5-50).
- RUNEY, JOSEPH B., Bibliographer, rank of Instructor, Library, one year beginning September 1, 1950, \$3900 (9-8-50).
- SALLACH, HENRY J., Research Assistant, Chemistry (Graduate College), one year beginning September 1, 1950, \$3800 (8-15-50).
- SAMTER, MAX, Assistant Professor, Medicine (Medicine) (9/10), one year beginning September 1, 1950, \$7000, supersedes (8-22-50).
- SANBORN, RICHARD C., Assistant Professor, Entomology (Graduate College), academic year beginning September 1, 1950, \$4500 (8-17-50).
- SAUNDERS, DAVID R., Research Associate, Psychology (Graduate College), one year beginning August 15, 1950, \$5400 (7-8-50).
- SCHOENBERGER, JAMES A., Instructor, Medicine (Medicine), July 1, 1950-August 31, 1951, \$5000 a year (7-24-50).
- SCHOLOMITI, NICHOLAS C., Mathematics (Undergraduate Division in Chicago), Summer Session of 1950 (83/100), eight weeks beginning June 26, 1950, \$609 (7-20-50).
- SCHROEDER, MRS. PATRICIA B., Research Assistant, Chemistry (Graduate College), one year beginning September 1, 1950, \$2700 (8-1-50).
- SCHWARTZ, CECIL, Physical Sciences (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$778, supersedes (7-15-50).
- SCHWARTZ, DREW, Research Associate, Botany (Graduate College), one year beginning September 1, 1950, \$4000 (7-21-50).
- SCOTT, MARSHALL J., Instructor, Student Teaching (University Council on Teacher Education), academic year beginning September 1, 1950, \$4000 (8-15-50).
- SCOTT, ROBERT E., Instructor, Political Science, academic year beginning September 1, 1950, \$3750 (8-15-50).
- SEIDEL, KATHERINE V., Instructor, Home Economics 4-H Club Work (E), September 5, 1950-August 31, 1951, \$4000 a year (8-17-50).
- SHAW, JEAN C., Research Assistant, Medicine (Medicine), one year beginning July 1, 1950, \$3000, supersedes (8-28-50).
- SHEEK, MARTHA R., Research Assistant, Bacteriology (Graduate College), one year beginning July 1, 1950, \$2400 (8-29-50).
- SHEFFNER, AARON L., Research Assistant, Biological Chemistry (Medicine), two months beginning July 1, 1950, \$266.66 a month (8-8-50).
- SHERBO, ARTHUR, Instructor, English, academic year beginning September 1, 1950, \$3500 (7-24-50).

- SHULER, ROBERT G., Instructor, Art (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$3800 (9-18-50).
- SHUTTLEWORTH, ROY, Research Associate, Physics (C), ten months beginning September 1, 1950, \$4800 a year (7-21-50).
- SIMMONS, EMILY S., Assistant Dean for Graduate Students (Graduate College), one year beginning September 1, 1950, \$4250 (8-11-50).
- SIMMONS, JAMES W., Research Assistant Professor, Bureau of Research and Service, four months beginning September 1, 1950, \$2500 (8-10-50).
- SIMPSON, ELIZABETH J., Instructor, Student Teaching (University Council on Teacher Education) (2/5), academic year beginning September 1, 1950, \$1600 (8-5-50).
- SINCLAIR, GEORGE M., Research Associate, Theoretical and Applied Mechanics (S), one year beginning September 1, 1950, \$4200 (7-25-50).
- SKADDEN, DONALD H., Assistant, Accountancy (Business Organization and Operation), nine months beginning September 16, 1950, \$2800, supersedes (9-22-50).
- SKADELAND, HAROLD M., Physics (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$890, supersedes (8-3-50).
- SLOSS, JOHN H., Research Assistant, Bureau of Research and Service, one year beginning September 1, 1950, \$3300 (8-5-50).
- SLOTHOWER, WILLIAM R., Instructor, Student Teaching (University Council on Teacher Education) (1/2), academic year beginning September 1, 1950, \$2000 (8-16-50).
- SMALLEY, WEBSTER L., Visiting Instructor, Speech, academic year beginning September 1, 1950, \$4000 (8-16-50).
- SMILEY, JOSEPH R., Associate Professor, French (1/4), indefinite tenure, and Associate Dean of the Graduate College (3/4), August 1, 1950-August 31, 1951, \$8750 a year, supersedes (7-31-50).
- SMITHERS, PERRY L., III, Manager, Office of Public Information (Undergraduate Division in Chicago), one year beginning September 1, 1950, \$4560 (9-16-50).
- SOUTHARD, WENDELL H., Assistant, Pharmacy (Pharmacy), ten months beginning September 1, 1950, \$2600 (9-12-50).
- STEINBERG, MRS. ESTHER, Research Assistant, Bureau of Economic and Business Research, one year beginning September 1, 1950, \$3000 (8-16-50).
- STEPHENSON, LEE P., Research Assistant, Physics (Graduate College), full time, two months beginning July 1, 1950, \$270 a month, and one-half time, ten months beginning September 1, 1950, \$135 a month (7-20-50).
- STICE, GLEN, Research Associate, Psychology (Graduate College), one month beginning September 1, 1950, \$350, supersedes (8-1-50).
- STOECKER, WILBERT F., Instructor, Mechanical Engineering (C), academic year beginning September 1, 1950, \$3200 (8-8-50).
- STOLZ, ARTHUR B., Instructor, Journalism (1/2), to render service during the academic year, and Journalism Librarian (1/2) (on Y basis), one year beginning September 1, 1950, \$4660 (9-18-50).
- STONE, WALTER B., Instructor, English, academic year beginning September 1, 1950, \$3500 (7-24-50).
- SUDAR, PATRICIA G., Assistant, Chemistry (Pharmacy), ten months beginning September 1, 1950, \$2600 (8-15-50).
- SUNDIN, HJALMAR ST. PIERRE, Instructor, Civil Engineering (C), academic year beginning September 1, 1950, \$3800 (7-21-50).
- SUSINA, STANLEY V., Instructor, Pharmacy (Pharmacy), academic year beginning September 1, 1950, \$3900, supersedes (8-8-50).
- SWANSON, EARL R., Instructor, Agricultural Economics (C) (1/2), academic year beginning September 1, 1950, \$2000, supersedes (9-12-50).
- SWANSON, EARL R., Instructor, Agricultural Economics (C & S), academic year beginning September 1, 1950, \$4000 (7-11-50).
- SYMPSON, MARIAN M., Assistant State Leader and Instructor, Home Economics (E), October 16, 1950-August 31, 1951, \$4400 a year (9-12-50).
- TANDBERG, AGNES G., Associate Dean of Women, two months beginning July 1, 1950, \$5250 a year, supersedes (7-27-50).
- TATE, MRS. INEZ S., Assistant Dean of Women, one year beginning September 1, 1950, \$3800 (9-8-50).

- TAYLOR, WELTON I., Instructor, Bacteriology (Medicine), two months beginning July 15, 1950, \$337.50 a month, this is in addition to present appointment, (9-15-50).
- TEPLITZ, ZELDA, Instructor, Psychiatry (Medicine), three months beginning June 1, 1950, without salary (8-5-50).
- ERRILL, WILLIAM A., Instructor, Accountancy (Business Organization and Operation) (34), academic year beginning September 1, 1950, \$2400, supersedes (9-8-50).
- THACKRAY, SHIRLEY MAY, Assistant Head Resident, Lincoln Avenue Residence (North Half), ten months beginning September 1, 1950, \$2400; for the convenience of the University, she will also be provided three meals daily valued at \$21 a month (9-18-50).
- THOM, KATHLEEN J., Instructor, Biological Sciences (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$3200 (7-24-50).
- TIENHOVEN, ARI V., Assistant, Dairy Science (S), one year beginning September 1, 1950, \$3000, supersedes (9-19-50).
- TOLBERT, MARIAN E., Assistant Professor, Home Economics (S), one year beginning September 1, 1950, \$5000 (8-18-50).
- TOMAN, KURT, Research Assistant, Electrical Engineering (S), one year beginning September 1, 1950, \$3300 (8-28-50).
- TONKIN, WILLIAM M., Counselor, Division of Special Services for War Veterans (34), one year beginning September 1, 1950, \$2300, supersedes (7-8-50).
- TORCH, MRS. BERNICE L., Assistant, Horticulture (S), one year beginning September 1, 1950, \$3200 (9-11-50).
- TURNER, MRS. HELEN D., Assistant State Leader, and Instructor, Home Economics (E), one year beginning September 1, 1950, \$4200, supersedes (9-15-50).
- TWIST, JANE E., Research Assistant, Chemistry (Graduate College), September 16, 1950-August 31, 1951, \$3066.67 (7-21-50).
- UTLEY, JEAN L., Assistant Professor, Audiology (Otolaryngology) (Medicine), academic year beginning September 1, 1950, without salary (7-24-50).
- VAN DAM, THOMAS E., JR., Instructor, Physical Sciences (Undergraduate Division in Chicago), academic year beginning September 1, 1950, \$3300 (9-12-50).
- VAN DOREN, CORNELIUS A., Assistant Professor, Soil Conservation (Agronomy) (S), one year beginning September 1, 1950, without salary (8-8-50).
- VAN NORDEN, MRS. FLORENCE J., Instructor, Home Economics (C), one year beginning September 1, 1950, \$4000, supersedes (8-29-50).
- VAN SICKLE, JAMES W., Adjutant of the Air Force, August 1, 1950-August 31, 1951, \$500 a year (9-18-50).
- VAWTER, GORDON F., Experimental Pathologist, Aeromedical and Physical Environment Laboratory, one year beginning July 1, 1950, \$5500 (8-12-50).
- VERNIER, VERNON G., Research Associate, Pharmacology (Medicine), one year beginning July 1, 1950, \$3600 (8-29-50).
- WADDINGTON, HARRY K., Instructor, Obstetrics and Gynecology (Medicine) (45/100), one year beginning September 1, 1950, \$1700 (8-17-50).
- WADE, LAURENCE J., JR., Assistant, Accountancy (Business Organization and Operation), nine months beginning September 16, 1950, \$2600 (9-18-50).
- WAGY, LOUIS C., Assistant, English, nine months beginning September 16, 1950, \$2400 (8-11-50).
- WALLING, MARY LOU, Research Assistant, Bureau of Economics and Business Research, one year beginning September 1, 1950, \$3200, supersedes (8-29-50).
- WALTER, LOWELL M., Instructor, Education (University High School) (2/3), academic year beginning September 1, 1950, \$2667 (9-11-50).
- WETENKAMP, HARRY R., Research Assistant Professor, Theoretical and Applied Mechanics (S), one year beginning September 1, 1950, \$5000, supersedes (7-25-50).
- WETZEL, HUBERT J., Instructor, Agricultural 4-H Club Work (E), one year beginning September 1, 1950, \$4500, supersedes (7-21-50).
- WHITE, WALTER L., Assistant, Applied Materia Medica and Therapeutics (Dentistry) (1/5), one year beginning September 1, 1950, without salary (8-20-50).
- WIEGAND, RICHARD, Assistant, Business English, nine months beginning September 16, 1950, \$3100 (8-17-50).
- WILLIAMS, DONALD B., Assistant, Agricultural Economics (Graduate College), eight months beginning July 1, 1950, \$270 a month (8-8-50).

- WINCHESTER, MARY E., Engineering Library Assistant, one year beginning September 1, 1950, \$3150 (8-20-50).
- WINTER, DEAN W., Assistant, Agricultural Engineering (S), three months beginning June 1, 1950, \$300 a month, supersedes (7-27-50).
- WINTER, DEAN W., Assistant, Agricultural Engineering (S), one year beginning September 1, 1950, \$3600 (7-27-50).
- WOHLER, WILMA, Instructor, Education (University High School) ($\frac{1}{2}$), academic year beginning September 1, 1950, \$1600 (9-8-50).
- WOOD, MRS. CORDILL H., Instructor, Mental Hygiene and Clinical Psychotherapist (Health Service) ($\frac{1}{2}$), September 15, 1950-August 31, 1951, \$2100 a year (9-18-50).
- WRIGHT, MRS. ELIZABETH V., English (Undergraduate Division in Chicago), Summer Session of 1950 ($\frac{1}{2}$), eight weeks beginning June 26, 1950, \$456 (7-15-50).
- WYNN, BONNIE J., Assistant Head Resident, Lincoln Avenue Residence (North Half), ten months beginning September 1, 1950, \$2400; for the convenience of the University, she will also be provided three meals daily valued at \$21 a month (8-3-50).
- YOTHERS, LEE W., Administrative Resident, Research and Educational Hospitals, one year beginning July 1, 1950, \$1500 (8-3-50).
- YOUNG, NORMAN, Instructor, Education, academic year beginning September 1, 1950, \$3600 (9-8-50).
- ZIMRING, ALLAN J., Instructor, Anatomy (Medicine) (12/100), academic year beginning September 1, 1950, \$400 (8-28-50).

GRADUATE FELLOWS

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

- ADAMS, JOHN G., Bristol Research Fellow, Pharmacology (Medicine), one year beginning September 1, 1950, \$1800, supersedes (9-18-50).
- BEARDSLEY, DANIEL W., Harry G. and Harriett A. Wright Fellow, Animal Nutrition, nine months beginning September 16, 1950, \$700 (7-26-50).
- BHASKAR, SURINDAR N., United States Public Health Service Research Fellow, Histology (Dentistry), one year beginning September 1, 1950, \$3600 (9-11-50).
- BIRCH, HOMER J., Lauhoff Grain Company Fellow, Chemistry, nine months beginning September 16, 1950, \$1500 (9-20-50).
- BIRD, ROBERT B., American Heart Association Research Fellow, Physiology (Medicine), three months beginning July 1, 1950, \$100 a month, supersedes (7-24-50).
- COHEN, HYMAN L., Roche Research Fellow, Pharmacology (Medicine), three months beginning July 1, 1950, \$125 a month (7-24-50).
- COMESS, MORTON S., United States Air Force Research Fellow, Aeromedical and Physical Environment Laboratory, July 10-September 30, 1950, \$185 a month (8-3-50).
- DELORENZO, WILLIAM, Standard Brands Postdoctoral Fellow, Bacteriology, one year beginning September 1, 1950, \$3000 (8-14-50).
- FEFFER, MELVIN H., United States Public Health Service Fellow, Psychology (Psychiatry) (Medicine), one year beginning July 1, 1950, \$2000 (8-5-50).
- FRIEDBERG, ARTHUR L., Fellow, Ceramic Engineering, ten months beginning September 1, 1950, \$1700 (7-11-50).
- FUNDERBURK, WILLIAM H., Smith, Kline and French Laboratories Research Fellow, Pharmacology (Medicine), eight months beginning September 1, 1950, \$3600 a year (9-12-50).
- INSKIP, LOIS W., Postdoctoral Fellow, Biochemistry, nine months beginning September 16, 1950, \$2400 (9-19-50).
- KJELLBERG, RAYMOND N., Mallinkrodt Chemical Works Research Fellow, Pharmacology (Medicine), three months beginning July 1, 1950, \$125 a month (7-24-50).
- KOBRIN, HENRY, National Institute of Health Research Fellow, Clinical Science (Medicine), four months beginning June 1, 1950, \$125 a month (7-24-50).
- LANDE, MILTON J., Research Fellow, Orthodontia (Dentistry), two months beginning July 1, 1950, \$100 a month (8-3-50).
- MARSHALL, WILLIAM H., Bristol Laboratory Research Fellow, Pharmacology (Medicine), three months beginning July 1, 1950, \$125 a month (7-24-50).
- MARTIN, WILLIAM R., Squibb Research Fellow, Pharmacology (Medicine), three months beginning July 1, 1950, \$125 a month (7-24-50).

- McKEEVER, MRS. MADRIGALE, United States Public Health Service Fellow, Psychology (Psychiatry) (Medicine), one year beginning July 1, 1950, \$2000 (8-5-50).
 METHVIN, DORIS, Mary E. Baker Scholar, Library Science, nine months beginning September 16, 1950, \$300 (8-28-50).
 MILFORD, JAMES J., JR., American Heart Association Research Fellow, Physiology (Medicine), three months beginning July 1, 1950, \$100 a month (7-24-50).
 MOORE, JOHN B., American Heart Association Research Fellow, Physiology (Medicine), three months beginning July 1, 1950, \$100 a month, supersedes (7-24-50).
 ROBACK, GEORGE S., Hoffman-LaRoche Incorporated Research Fellow, Clinical Science (Medicine), one year beginning July 1, 1950, \$1800 (8-5-50).
 ROTH, ROBERT S., National Lead Company Fellow, Geology, nine months beginning September 16, 1950, \$1200 (7-27-50).
 STALLMEYER, JAMES E., Standard Oil Company of Indiana Fellow, Civil Engineering, five months beginning July 1, 1950, \$750 (8-8-50).
 SUSINA, STANLEY V., Squibb Research Fellow, Pharmacology (Medicine), three months beginning June 16, 1950, \$125 a month (7-24-50).
 WANG, RICHARD I. H., Abbott Laboratory Research Fellow, Pharmacology (Medicine), one year beginning September 1, 1950, \$1500 (9-18-50).
 WEINER, PAUL S., United States Public Health Service Fellow, Psychology (Psychiatry) (Medicine), one year beginning July 1, 1950, \$2000 (8-5-50).
 WILKINSON, JACK L., Edward Orton Jr. Fellow, Ceramic Engineering, ten months beginning September 1, 1950, \$1000 (8-7-50).
 WILSON, VERNON E., Smith, Kline and French Research Fellow, Pharmacology (Medicine), three months beginning July 1, 1950, \$125 a month (7-24-50).

RESIGNATIONS AND DECLINATIONS

- ADAMS, WILLIAM W., Instructor, Speech — resignation effective 9-1-50.
 ANDERSON, MARGARET I., Instructor, Social Welfare Administration (Chicago Professional Colleges) — resignation effective 9-8-50.
 ANDREWS, HELEN R., Assistant Dean of Women — declination effective 9-1-50.
 ANISON, GEORGE, Clinical Assistant, Bronchoesophagology (Otolaryngology) (Medicine) — resignation effective 7-1-50.
 ASAY, ANTHONY H., Instructor, Accountancy (Business Organization and Operation) — resignation effective 9-1-50.
 BAIR, T. D., Assistant, Veterinary Parasitology (Veterinary Pathology and Hygiene) (Veterinary Medicine) — declination effective 9-1-50.
 BANTZ, ELIZABETH R., Serial Cataloger, with rank of Instructor, Library — resignation effective 9-1-50.
 BAUMAN, ROBERT A., Research Assistant, Chemistry — declination effective 9-1-50.
 BEATY, JEROME, Assistant, English — resignation effective 9-16-50.
 BELCHER, DAVID W., Assistant Professor, Management (Business Management Service) — resignation effective 9-1-50.
 BENDER, COLEMAN C., Instructor, Speech — declination effective 9-1-50.
 BERG, KENNETH B., Instructor, Accountancy (Business Organization and Operation) — resignation effective 9-1-50.
 BINKLEY, MAX A., Instructor, Accountancy (Business Organization and Operation) — declination effective 9-1-50.
 BLACK, MRS. ESTHER A., Instructor, Nursery School (Division of Special Services for War Veterans) — declination effective 9-1-50.
 BLAND, LOIS J., Assistant, Home Economics 4-H Club Work (Home Economics) (E) — resignation effective 9-1-50.
 BLODGETT, RALPH H., Professor, Economics — resignation effective 9-1-50.
 BOWMAN, MRS. MARCIA, Instructor, Business English — resignation effective 9-1-50.
 BRADLEY, PHILLIPS, Professor, Political Science — resignation effective 9-1-50.
 BRADSHAW, GLENN R., Assistant, Education (University High School) — resignation effective 6-16-50.
 BRANCH, JAMES E., Associate Professor, Architecture — resignation effective 9-1-50.
 BRODY, THEODORE M., Instructor, Pharmacognosy and Pharmacology (Pharmacy) — resignation effective 9-1-50.
 BUEHNER, WILLIAM J., Fellow, Classics — resignation effective 9-16-50.
 BURT, BARBARA A., Clinical Counselor, Student Counseling Bureau — declination effective 9-1-50.
 CANTÓN, ALFREDO, Assistant Professor, Spanish — resignation effective 9-1-50.

- CARLISLE, MARTHA E., Assistant, Agricultural Economics (E) — resignation effective 7-17-50.
- CARRICO, JOSEPH E., Assistant, Accountancy (Business Organization and Operation) — declination effective 9-16-50.
- CHASE, MARTIN N., Research Associate, Electrical Engineering (S) — declination effective 9-1-50.
- COLLINS, EUNICE, Assistant Professor, Journalism and Communications (School of Journalism and Communications) and (Library), and Journalism Librarian — declination effective 9-1-50.
- COMREY, ANDREW L., Assistant Professor, Psychology — resignation effective 9-1-50.
- CONSOLAZIO, CARLO F., Research Associate, Physiology — resignation effective 9-1-50.
- CRAMER, MRS. MARION C., Architecture Library Assistant — declination effective 9-1-50.
- DELANEY, JEAN, Instructor, Nursery School (Division of Special Services for War Veterans) — resignation effective 9-1-50.
- DEMPSEY, ELWOOD J., Adjutant, Military Department — resignation effective 7-31-50.
- DIECKAMP, HERMAN, Research Assistant, Physics (C) — resignation effective 9-1-50.
- DRESKIN, ERVING A., Instructor, Pathology (Medicine) — resignation effective 7-30-50.
- DRESSEL, MRS. ELIZABETH, Research Assistant, Bureau of Institutional Research (Provost's Office) — declination effective 9-1-50.
- EARLEY, L. WILLIAM, Assistant Professor, Psychiatry (Medicine) — resignation effective 8-31-50.
- ELLIS, MRS. NAOMI C., Binding Assistant, Library — declination effective 9-1-50.
- ENGEL, ELMER H., Assistant, Physical Education for Men — declination effective 9-16-50.
- FLEMING, ARTHUR N., Instructor, Mechanical Engineering (C) — resignation effective 9-1-50.
- FLEXMAN, RALPH E., Flight Instructor, Institute of Aviation — resignation effective 9-1-50.
- FRANK, ROBERT L., Assistant Professor, Chemistry — declination effective 9-1-50.
- FRANKEL, SHERMAN, Special Research Associate, Physics (C) — resignation effective 9-1-50.
- FRANTZ, RAY W., JR., Acquisition Assistant, Library — resignation effective 9-1-50.
- FRIEDBERG, ARTHUR L., Research Associate, Ceramic Engineering (S) — declination effective 9-1-50.
- FULLER, EVERETT G., Research Assistant, Physics (C) — resignation effective 8-7-50.
- FULLER, JOSEPH A., JR., Fellow, Chemistry — resignation effective 9-16-50.
- GEFARDT, SARAH L., Instructor, Occupational Therapy (Physical Medicine and Rehabilitation) (Medicine), and Supervisor, Occupational Therapy (Research and Educational Hospitals) — declination effective 9-1-50.
- GILL, BILLIE R., Instructor, Education (University High School) — resignation effective 9-1-50.
- GOLDHABER, MORITZ, Professor, Physics (C) — resignation effective 8-31-50.
- GOODWIN, A. HOOKER, Instructor, Illustration Studios (Medicine) — resignation effective 8-31-50.
- GREENWOOD, F. L., Research Assistant, Chemistry — declination effective 9-16-50.
- GREENWOOD, MRS. V. LOUISE, Instructor, Home Economics (C) — resignation effective 9-1-50.
- GROSS, DOROTHY A., Assistant, Institute of Aviation — resignation effective 9-1-50.
- GRIP, CARL M., JR., Assistant Dean of Men — resignation effective 9-1-50.
- HAGAN, AUDREY N., Fellow, Journalism — resignation effective 9-16-50.
- HAMMOND, SETH, Economics, Summer Session of 1950 — resignation effective 6-23-50.
- HARNACK, ROBERT E., First Assistant, Horticulture (S) — resignation effective 8-31-50.
- HEFFERNAN, PATRICIA A., Instructor, Physical Sciences (Undergraduate Division in Chicago) — declination effective 9-1-50.
- JACOBS, SANFORD, Fellow, Marketing — resignation effective 9-16-50.
- JENKINS, DONALD J., Fellow, Institute of Labor and Industrial Relations — resignation effective 9-16-50.
- JENSEN, MRS. KATHERINE B., Assistant Head Resident, Lincoln Avenue Residence (South Half) — declination effective 9-1-50.

- JUVINALL, ROBERT C., Assistant Professor, Mechanical Engineering (C) — resignation effective 8-31-50.
- KENEIPP, VIRGINIA M., Assistant, Home Economics (C) — resignation effective 9-1-50.
- KISSEL, EDWIN, Research Fellow, Pharmacology (Medicine) — resignation effective 8-1-50.
- KLEINSCHMIDT, EARL E., Associate Professor, Preventive Medicine and Public Health (Medicine) — resignation effective 8-31-50.
- KNIGHT, KATHERINE G., First Assistant, Home Economics (C) — resignation effective 9-1-50.
- KNUTI, LEO L., Instructor, Agricultural Education, and Counselor, University Council on Teacher Education — resignation effective 8-31-50.
- KOHN, PAUL, Upjohn Company Fellow, Chemistry — resignation effective 6-30-50.
- KOPEL, RACHEL, Assistant, Microanalysis (Chemistry) — resignation effective 8-1-50.
- KUHNS, HELEN F., Agriculture Library Assistant — resignation effective 9-1-50.
- LEGRAND, DOROTHY, Assistant, Home Economics (C) — resignation effective 9-1-50.
- LEWANDOSKI, MRS. MARTHA S., Assistant Professor, Hygiene, and Medical Adviser for Women (Health Service) — resignation effective 10-1-50.
- LIM, ROBERT K. S., Visiting Research Professor, Clinical Science (Medicine) — declination effective 9-1-50.
- LINSKY, LEONARD, Instructor, Philosophy — resignation effective 9-1-50.
- LOHMEYER, CHARLES R., Associate Director for Civil Service of Nonacademic Personnel — resignation effective 7-22-50.
- LOOKER, JAMES H., Research Assistant, Chemistry — resignation effective 9-1-50.
- LOWERY, JOSEPH R., Assistant, Management (Business Organization and Operation) — declination effective 9-16-50.
- MACADAM, MARY L. B., Research Assistant, Bureau of Economic and Business Research — resignation effective 6-30-50.
- MANN, KINGSLEY M., Assistant Professor, Animal Science (Graduate College) — declination effective 9-1-50.
- MARTZ, RUBY V., Acquisition Assistant, Library — resignation effective 9-1-50.
- MISNER, DAVID E., Assistant Professor, Education (University High School) — resignation effective 9-1-50.
- MOSIER, JACOB E., Assistant Professor, Veterinary Clinical Medicine, (Veterinary Medicine) — resignation effective 8-15-50.
- NISHIMURA, M. S., Research Assistant, Botany (Graduate College) — resignation effective 7-1-50.
- OESTERLING, JANE, Research Assistant, Chemistry — declination effective 9-1-50.
- OSTERBERG, WESLEY, Assistant Professor, Psychology — resignation effective 9-1-50.
- PALMER, JOHN R., Fellow, History — resignation effective 5-31-50.
- PATRICK, ROBERT L., Instructor, Business Law (Business Organization and Operation) — declination effective 9-1-50.
- PAULSON, KATHERINE E., Assistant, Food Technology (S) — resignation effective 9-1-50.
- PILOT, MARTIN L., Research Fellow, Pharmacology (Medicine) — resignation effective 8-1-50.
- POLK, GEORGE A., Assistant, Mechanical Engineering (C) — resignation effective 6-16-50.
- POPELKA, BLANCHE M., Assistant, Occupational Therapy (Physical Medicine and Rehabilitation (Medicine) and (Research and Educational Hospitals) — resignation effective 9-19-50.
- PRIER, JAMES E., Instructor, Veterinary Research (S), and Veterinary Pathology and Hygiene (Veterinary Medicine) — declination effective 9-1-50.
- PYE, MALCOLM L., Instructor, Accountancy (Business Organization and Operation) — resignation effective 9-1-50.
- RECORDS, JOHN K., Special Research Associate, Electrical Engineering (S) — resignation effective 9-1-50.
- REEDY, JEAN, Research Assistant, Committee on Admissions from Secondary Schools — declination effective 9-1-50.
- REITZE, ALBERTA E., Instructor, Home Economics (C) — resignation effective 9-1-50.
- RICE, MARY J., Instructor, Home Economics (C) — resignation effective 9-1-50.
- ROBINSON, DUANE M., Associate Professor, Recreation (Physical Education for Men) — declination effective 9-1-50.

- RUTHVEN, BRYANT W., Instructor, Labor and Industrial Relations — resignation effective 9-11-50.
- SAGONA, FRANK M., Instructor, Pharmacy (Pharmacy) — resignation effective 9-1-50.
- SASAKI, HIDEO, Instructor, Landscape Architecture — resignation effective 9-1-50.
- SAUNDERS, MRS. FRANCES P., Periodical Assistant, Library — declination effective 9-1-50.
- SCHERMEISTER, LEO J., Instructor, Pharmacognosy (Pharmacy) — resignation effective 9-1-50.
- SCHUELER, ARNOLD P., Shell Oil Company Fellow, Chemical Engineering — resignation effective 9-16-50.
- SCHWARTZ, ELIZABETH, Circulation Assistant, Library — declination effective 9-1-50.
- SCHWARTZ, HARRY R., Clinical Instructor, Medicine (Medicine) — resignation effective 8-7-50.
- SENGER, JOHN D., Instructor, Management (Business Organization and Operation) — declination effective 9-1-50.
- SHAPIRO, M. DAVID, Research Assistant, Electronic Digital Computer (Graduate College) — resignation effective 10-21-50.
- SHEN, ELIZABETH H. H., Research Assistant, Chemistry — declination effective 7-1-50.
- SHORT, DOROTHY M., Catalog Assistant, Library — resignation effective 9-1-50.
- SKOK, JOHN, Assistant Professor, Vegetable Crops (Horticulture) (C & S) — resignation effective 8-31-50.
- STABNOW, EUNICE, Assistant Teacher, Nursery School (Division of Special Services for War Veterans) — resignation effective 9-1-50.
- STAUB, ALFRED, Research Assistant, Chemistry — declination effective 10-1-50.
- SUNDIN, HJALMAR ST. PIERRE, Fellow, Civil Engineering — resignation effective 9-16-50.
- TAYLOR, CHARLES J., Research Associate, Physics (S) — resignation effective 9-1-50.
- THOMAS, GLYN N., Instructor, English — resignation effective 9-1-50.
- TINER, MRS. Lyla G., Personnel Technician, Student Counseling Bureau — resignation effective 7-21-50.
- TOPP, ROBERT F., Assistant Professor, Education — declination effective 9-1-50.
- TORHAN, GEORGE, Counselor, Division of Special Services for War Veterans — resignation effective 7-16-50.
- VAN DOREN, CORNELIUS A., Assistant Professor, Soil Conservation (Agronomy) (S) — declination effective 9-1-50.
- VAN SLYKE, JAMES K., Instructor, Rural Sociology (Agricultural Economics) (E) — declination effective 9-1-50.
- VANVELZER, HARRY L., Research Associate Professor, Electrical Engineering (S) — declination effective 9-1-50.
- WAGMAN, JULIUS, Instructor, Physical Sciences (Undergraduate Division in Chicago) — declination effective 9-1-50.
- WALTER, C. ROBERT, Research Assistant, Chemistry — resignation effective 9-1-50.
- WANKEL, RONALD A., Research Assistant, Chemistry — resignation effective 9-1-50.
- WEIGEL, ROBERT H., Research Associate, Mechanical Engineering (S) — resignation effective 9-23-50.
- WILKINSON, CLYDE W., Assistant Professor, Business English, and Counselor, Student Counseling Bureau — declination effective 9-1-50.
- WOLFF, ROBERT W., Research Assistant, Bureau of Economic and Business Research — declination effective 9-1-50.
- WOODMAN, EVERETT M., Assistant Professor, Education — resignation effective 9-1-50.
- ZIMMERMAN, E. J., Research Associate, Physics (S) — declination effective 9-1-50.

LEAVES OF ABSENCE

- GLICKMAN, NATHANIEL, Assistant Professor, Medicine, and Research Physiologist (Medicine) — leave of absence, without salary, June 1, 1950, until further notice.
- GRAY, HORACE M., Professor, Economics — leave of absence, without salary, June 15-August 15, 1950.
- HURWICZ, LEONID, Research Professor, Economics and Mathematical Statistics (Graduate College) — leave of absence, without salary, September 1, 1950-February 28, 1951.

- LACKY, ALLEN D., Instructor, Education (University High School) — leave of absence, without salary, October 7, 1950, and continuing through the academic year of 1950-1951.
- LENG, EARL R., Assistant Professor, Plant Genetics (Agronomy) (C & S) — leave of absence, without salary, August 1, 1950, and continuing until further notice (but not later than August 31, 1951) for military service.
- MCGLOTHLIN, MARGARET P., Assistant Editor, Agricultural Experiment Station — leave of absence, without salary, August 1-August 31, 1950.
- MCPHERSON, WILLIAM H., Professor, Economics (Institute of Labor and Industrial Relations), and (Economics) — leave of absence, without salary, September 1-December 31, 1950.
- WALKER, CLARETA, Assistant Professor, Rural Youth (Home Economics) (E) — leave of absence for the academic year beginning September 1, 1950, canceled.

DEGREES CONFERRED AUGUST 21, 1950

Summary

Degrees in the Graduate College:

Master of Education	4
Master of Social Work	2
Master of Arts	113
Master of Science	367
Master of Fine Arts	2
Master of Music	3
<i>Total, Graduate College</i>	(491)

Degrees in Law:

Bachelor of Science	2
Bachelor of Laws	15
Doctor of Law	3
<i>Total, Law</i>	(20)

Baccalaureate Degrees:

Bachelor of Science, College of Agriculture	46
Bachelor of Science, College of Engineering	117
Bachelor of Arts, College of Liberal Arts and Sciences	62
Bachelor of Science, College of Liberal Arts and Sciences	51
Bachelor of Science, Library School	8
Bachelor of Science, College of Education	22
Bachelor of Science, College of Commerce and Business Administration ..	115
Bachelor of Science, School of Journalism and Communications	11
Bachelor of Science, College of Fine and Applied Arts	23
Bachelor of Fine Arts, College of Fine and Applied Arts	9
Bachelor of Music, College of Fine and Applied Arts	1
Bachelor of Science, School of Physical Education	12
Bachelor of Science, Division of Special Services for War Veterans	91
<i>Total, Baccalaureate Degrees</i>	(568)
<i>Total, Degrees Conferred</i>	1,079

GRADUATE COLLEGE

Professional Degrees

Degree of Master of Education

- NORMAN WALDO FINLEY, B.Ed., Southern Illinois University, 1935; M.S., 1946
- LEONARD DUNBAR NELSON, A.B., A.M., 1940, 1946
- CARL WILLIAM PROEHL, A.B., Muhlenberg College, 1939; A.M., 1940
- GUY TRUMAN ROBINSON, A.B., Illinois College, 1928; A.M., 1947

Degree of Master of Social Work

- ANN MARIE GRANESE, B.S., Seton Hall College, 1949
- ELEANOR VALOIS KOVEC, B.S., 1942

Degree of Master of Arts

In Accountancy

TSUO CHOW MA, A.B., Kung Shang University, 1946; A.M., 1949

In Economics

AMOS CLARK CAREY, B.S., 1949

WILLIAM MCKINLEY MERRILL, A.B., Harvard University, 1920

In Education

- HARRY OLIVER ANDERSON, JR., Ph.B., Illinois Wesleyan University, 1947
 GEORGE EDWARD ASHLEY, B.Mus., Illinois Wesleyan University, 1943
 ALMA DELORES BELL, A.B., Stowe Teachers College, 1946
 EVELYN CARPENTER BENNETT, B.Ed., Eastern Illinois State College, 1940
 HATTIE ELINOR BRIGGS, A.B., Bradley University, 1940
 JOHN LORENZO BROOKS, A.B., Lincoln University, 1940
 NORMA LOU BROWN, B.S., Southern Illinois University, 1946
 PHILIP SCOTT CLARY, B.S., Western Illinois State College, 1944
 MUSABELLE COONS, A.B., MacMurray College, 1946
 GENEVIEVE MARY DAILY, B.S., 1947
 JEROME JOHN DUNSE, B.S., Bradley University, 1949
 GEORGE IRVING DYKSTRA, A.B., Hope College, 1943
 THOMAS LEONIDAS ENDSLEY, B.Ed., Eastern Illinois State College, 1938
 DOROTHY FRANCES FARRIS, A.B., Indiana State Teachers College, 1943
 JOHN EMANUEL GOERWITZ, B.S., 1949
 LAVERGNE C. HACKENBROCH, B.S., Northwestern University, 1944
 GEORGIA MONTAFAR HARBISON, B.Ed., Southern Illinois University, 1937
 CECIL STUART HARN, B.Ed., Western Illinois State College, 1936
 ALMA SPAIN HARRIS, B.S., Lincoln University, 1942
 VIVIAN RAE HAYES, A.B., Stowe Teachers College, 1932
 ROBERTA CATHERINE HOPPER, B.Ed., Southern Illinois University, 1943
 MABEL HUFFMAN, B.Ed., Southern Illinois University, 1940
 LEO STANLEY HUTT, B.S., Murray State Teachers College, 1943
 CALVENE INWOOD, A.B., San Francisco Teachers College, 1934
 EVA BELLE JEFFRIES, A.B., Park College, 1944
 HOWARD LYLE JONES, A.B., 1949
 LAURA ROSE JUPIN, B.S., 1931
 VANCE ARNET KAUFFOLD, B.Ed., Illinois State Normal University, 1938
 VIRGINIA BURKEY KELLER, B.Ed., Illinois State Normal University, 1938
 ESTHER LEOTA KERRES, B.Ed., 1946
 HARRY ALVIN KINERT, Ph.B., Marquette University, 1940
 LYLE CRABB KING, B.Ed., Illinois State Normal University, 1941
 JOHN KELLEY KRUMEICH, A.B., McKendree College, 1949
 BERTHA ESTELLA KUHN, B.S., Southern Illinois University, 1946
 ADA SARAH LAPP, A.B., Goshen College, 1931
 MYRON LIEBERMAN, B.S., University of Minnesota, 1941, 1948
 LOUISE CLAYTON LONGMAN, A.B., Monmouth College, 1932
 ARENIA C. MALLORY, A.B., Simmons University, 1926
 ESTHER ALISON MATHIS, B.Ed., Southern Illinois University, 1943
 EDNA CLARISSA MELLOR, A.B., Arizona State Teachers College, 1935
 DORA SELMA MILLER, A.B., North Texas State Teachers College, 1942
 FRANK JOSEPH MULA, B.F.A., 1949
 MARGARET CAROLINE MURRAY, A.B., Bradley University, 1944
 LYLE KEITH MUSICK, A.B., James Millikin University, 1941
 CARL JOHN PEMPEK, B.S., 1948
 GRAYDON LAUGMAN PETERSON, B.Ed., Northern Illinois State Teachers College, 1943
 CAROLYN YVONNE PRUNTY, A.B., Shaw University, 1949
 THEODORE EDWARD SIMS, B.S., 1937
 SISTER MARY BASIL HAMBERRY, Ph.B., DePaul University, 1936
 LUTHER EDWARD SMITH, A.B., Hillsdale College, 1931
 THERESE SOMERS, A.B., College of St. Francis, 1948

MURIEL FRANCES STADY, A.B., University of Denver, 1947
 RUSSELL LOVEJOY STEPHENSON, B.Ed., Illinois State Normal University, 1941
 LORETTA INONA SULLIVAN, A.B., Shurtleff College, 1946
 GORDON GUNNELL TEICHMANN, A.B., North Central College, 1940
 LINZY IVAN TRUEBLOOD, A.B., DePauw University, 1938
 JUSTINE TURNER, A.B., Stowe Teachers College, 1944
 CLAUDEAN EDRIE TUTTLE, B.S., 1949
 MAURICE CARLYLE WALWORTH, A.B., Denison University, 1948
 SELMA GREENE WARD, A.B., Stowe Teachers College, 1930
 MARIAN WOZENCRAFT, A.B., University of Chicago, 1941

In English

ROGER LEON BROOKS, A.B., Taylor University, 1949
 HELEN MCGAVRAN CORNELI, A.B., 1948
 BARBARA BONNE FRANKEL, A.B., 1948
 PRINCESS BEASLEY JONES, A.B., Tougaloo College, 1945
 PHYLLIS JEAN LLEWELLYN, B.S., University of Nebraska, 1948
 IRENE HARRIET PONTO, A.B., 1949
 RACHELLE BRENNER SCHOENFELD, B.S., Boston University, 1948
 JAMES ERWIN SMYTHE, A.B., George Pepperdine College, 1945
 JAMES PAUL YOGGERST, B.S., 1949
 DOROTHY WYNNE ZIMMERMAN, A.B., 1947

In French

SISTER MARY AIMÉE HAULARD, B.S., St. Mary's Dominican College, 1939

In Geography

DAVID JOHN DE LAUBENFELS, A.B., Colgate University, 1949
 HOWARD DAMERY RICE, A.B., James Millikin University, 1947

In Geology

WALTER AUGUSTINE LOCKER, JR., A.B., College of Wooster, 1948
 ELLEN JORDAN SHANNON, A.B., 1945

In History

ARTHUR MARVIN GARY, B.S.S., College of the City of New York, 1949
 IAN CHARLES CARGILL GRAHAM, A.B., University of London, 1949
 RABIEB TANTRANON, A.B., Chulalongkorn, 1941; B.S.(L.S.), 1948

In Latin

MILDRED EBERT, A.B., Knox College, 1919

In Mathematics

CHARLES PORTER HUBBARD, A.B., Miami University, 1948
 DONALD LAWRENCE SULLIVAN, A.B., North Central College, 1949

In Philosophy

NANCY NOBLE SKEEN, A.B., 1947

In Political Science

MARY ANNE RAYWID, A.B., Woman's College of the University of North Carolina,
 1949
 ARDIS MATE SWORDES, A.B., Iowa State Teachers College, 1924
 DOROTHY MAE WILSON, A.B., Illinois Wesleyan University, 1942

In Psychology

MARVIN ADELSON, B.S., Virginia Polytechnic Institute, 1947
 BERNICE BUTTON GUTHRIE, B.S., 1949
 VIRGINIA PADGETT HALL, B.S., Columbia Teachers College, 1947
 DOUGLASS ROTH NICKLAS, A.B., University of Maryland, 1947

In Social Sciences

RALPH EINER HARMON, A.B., Southwest Missouri State College, 1949
LILLIAN MARGARET JACKSON, B.S., University of South Dakota, 1947
GEORGE TUPPER SWAIM, JR., B.S., 1943
LORRETTA WILLENA WALTER, A.B., University of Minnesota, 1931

In Sociology

PHILIP ACKERMAN, B.S., 1949
PAUL LASAKOW, A.B., 1948
WILLIAM JOSEPH MACKEY, B.S., 1949
BYRON EDWIN MUNSON, B.S., 1949

In Spanish

TEODOCIO MONTOYA, A.B., Colorado State College of Education, 1948
WILLIAM HAROLD PILKENTON, A.B., 1943

In Speech

MAX WOODROW EVANS, B.Ed., Northern Illinois State Teachers College, 1936
HELEN KATHERINE FINLAY, A.B., Carnegie Institute of Technology, 1949
BERNARD CHARLES JEFFRIES, A.B., 1941; B.D., McCormick Theological Seminary, 1947
JOHN FRANCIS KINGSTON, A.B., Hartwick College, 1949
ARLYTH MARY LYNN ROGERS, A.B., Knox College, 1948

In the Teaching of English

ZONA MARIE COLLINS, A.B., MacMurray College, 1942
WILLIE HERBERT INGELS, A.B., Texas State College for Women, 1924
MARJORIE INEZ SCHUMAKER, A.B., St. Ambrose-Marycrest College, 1943
ALBERT CARTER TILLMAN, A.B., 1935

In the Teaching of Latin

ERWIN MARK HAMSON, B.S., 1950

Degree of Master of Science*In Accountancy*

PAUL THEODORE CROSSMAN, B.S., University of Omaha, 1946
FREDERICKA SCHRUMPF GARRARD, B.S., 1932
ARTHUR RAMER WYATT, B.S., 1949

In Aeronautical Engineering

WILLIAM ANDREW BROOKS, JR., B.S., 1949

In Agricultural Economics

ROBERT HUGHES FARROW, B.S., University of Wisconsin, 1949
WOODROW EUGENE JONES, B.S., Mississippi State College, 1937
ALEXIS GABRIEL LEBEDEFF, B.S.A., University of Georgia, 1949
WILLIAM LEE PORTEOUS, B.S.A., University of Saskatchewan, 1949

In Agricultural Education

ARTHUR ELBERTA BROWN, B.S., 1940
PAUL EUGENE DURBIN, B.S., 1942
FRED C. WEAS, B.S., 1947

In Agricultural Engineering

BENJAMIN ANGUS JONES, JR., B.S., 1949

In Agronomy

LOREN WILLIAM HARDY, B.S., 1937
THEODORE PIERCE, JR., B.S., 1949
KEITH FRANCIS SCHERTZ, B.S., 1949

In Animal Nutrition

JOHN GRAHAM MOFFITT, B.S., Iowa State College, 1949

In Animal Science

DONALD LEE DOERR, B.S., Southern Illinois University, 1949

In Architectural Engineering

CALVIN CULBREATH, B.S., Hampton Institute, 1949

In Bacteriology

PACIFICO ANTHONY PRINCIPE, B.S., Long Island University, 1949

In Botany

DANTE LINNE VENTRESCA, A.B., Evansville College, 1948

In Ceramic Engineering

ROBERT GEORGE HICKS, B.S., 1948

In Chemical Engineering

RAYMOND CHARLES KOELLER, B.S., 1949

In Chemistry

DAVID BRUCE BRIGHT, B.Chem., University of Minnesota, 1949

JAMES LAWRENCE FINNERTY, B.S., Marquette University, 1948

CLEMENT DEAN GREENE, B.S., Eastern Illinois State College, 1949

DAVID PETER HYLANDER, A.B., North Central College, 1949

RALPH OLIVER KERR, A.B., Indiana University, 1949

ROBERT JAMES LAPPE, B.S., Loyola University, 1949

ELWYN RAYMOND LOVEJOY, A.B., Boston University, 1949

MARTHA ELEANORE LUTHRINGER, B.S., Pennsylvania College for Women, 1949

GEORGE HOWARD MCCAIN, A.B., Franklin College of Indiana, 1949

FRANCIS PATRICK MCKIERNAN, B.S., St. Mary's, 1949

MAX MERLE MORTLAND, B.S., M.S., 1946, 1947

EDWARD WILLIAM SCHOTT, B.S., Loyola University, 1947

ROLLAND WILLIAM PHILLIP SHORT, A.B., James Millikin University, 1949

MARTIN BERNARD SIDEMAN, A.B., 1949

HAMPTON MASSEY SMITH, B.S., Clemson College, 1949

WILLIAM FRANKLIN SPENCER, B.S., 1947

HERMAN WEXLER, B.S., Allegheny College, 1949

WARREN BUD ZIBELMAN, B.S., 1949

In Civil Engineering

CHARLES ALFRED ENGMAN, JR., B.S., University of Hawaii, 1949

LUIS FARIAS, B.S., University of Autonoma de Occidente, 1937; C.E., University of Guadalajara, 1943

RANAJIT KUMAR GUPTA, B.E., Bengal Engineering College, 1948

TÖRE KRISTIAN LÖKEN, C.E., Technical Institute of Goteberg, Sweden, 1947

JIMMY WARREN SEYLER, B.S., 1946

JAMES RUSSELL SNOWDEN, B.S., Missouri School of Mines, 1947

ÉDOUARD TH. WOËL, C.E., Ecole Polytechnique, 1948; Lawyer, Faculté de Droit, 1948

In Clinical Psychology

SAMUEL MORDECAI ABRAMSON, B.S., University of California, 1947

DIANA WINSTON KERNER, A.B., Roosevelt College, 1948

GEORGE RAYMOND PRENTICE, B.Ed., Western Illinois State College, 1937

In Dairy Science

WILLARD MILO DILLON, JR., B.S., 1949

MARCUS LEO EARLES, B.S., Southern University, 1949

In Economics

BETTY LOU CROSS, B.S., Illinois State Normal University, 1949
 WILLIAM MATTHEW DWYER, B.S., Northwestern University, 1949
 JOHN JOSEPH MALONEY, JR., B.S., 1949

In Education

LOUIS AGASE, B.S., 1948
 HUGH ALLEN, JR., B.S., 1948
 RUTH ANDERSEN ALLEN, B.S., 1947
 GALE ROBERT BALLARD, B.S., Southern Illinois University, 1948
 THURLOW HARTEN BANNISTER, B.S., Southern Illinois University, 1945
 PAUL LEROY BARNES, B.S., Eastern Illinois State College, 1947
 PAUL LOVINS BENNETT, B.S., 1940
 CHARLES ALBERT BESEMAN, B.S., 1949
 JACK EDWARD BESS, B.S., 1949
 WILLIAM GARDINER BIRD, A.B., Aurora College, 1945
 DONALD EDWARD BITZ, B.S., Southern Illinois University, 1945
 MERRILL MAURICE BLADES, B.S., Purdue University, 1935
 WILBERN BOATRIGHT, B.Ed., Southern Illinois University, 1941
 WAYNE HERBERT BOHLEN, B.S., 1940
 HERBERT FREDERICK BOYD, B.S., 1949
 JAMES FRANCIS BOYD, A.B., Missouri Valley College, 1941
 JOSEPH FRANKLIN BOYD, JR., B.S., University of Michigan, 1939
 GEORGE HOWARD BRANTLEY, B.S., James Millikin University, 1949
 GERTRUDE ELIZABETH BRENNEMAN, B.Ed., University of Southern California, 1942
 FRANK ARDEEN BRIDGEWATER, B.S., 1946
 HOMER CHARLES BRUSH, B.Ed., Southern Illinois University, 1945
 LEO EDWARD BRYANT, B.S., Eastern Illinois State College, 1948
 JOHN CARLTON BUSENHART, B.S., Southern Illinois University, 1946
 FLORA ALMA CAREY, B.Ed., Southern Illinois University, 1943
 JOHN ANGELINO CARLINO, B.S., 1932
 ROBERT JACOB CARPER, B.S., 1940
 GRETA MARGARET CASPERS, B.S., Illinois State Normal University, 1948
 AVA MARIE CASSIDY, B.S., Olivet College, 1947
 ELMER SAMUEL CIANCONE, B.S., Northern Illinois State Teachers College, 1949
 CARL RICH CLAPP, B.Ed., Eastern Illinois State College, 1940
 CLARENCE CALVIN COLLIER, B.S., 1947
 HELEN TOBIN COLLIER, B.S., 1940
 GLEN LOREN COLLINS, B.S., Illinois Wesleyan University, 1948
 EARL EDWARD COOK, A.B., Stowe Teachers College, 1948
 WALTER KEMP CORRELL, B.S., 1944
 KATHERINE ROBINSON COX, A.B., University of Oklahoma, 1926
 DORIS ALICE CUMMINGS, B.Ed., Southern Illinois University, 1940
 GORDON GEORGE DE LA RONDE, B.S., 1940
 HAROLD LEE DEWEESE, B.Ed., Illinois State Normal University, 1941
 RICHARD GEORGE DIENER, B.S., Illinois State Normal University, 1948
 MILDRED VIOLA DUNLOPE, B.S., Illinois State Normal University, 1945
 WALTER ZELLMAN DYKEMAN, B.S., 1947
 RUSSELL EMERY, B.Ed., Southern Illinois University, 1936
 MELVIN MARCUS ESAREY, B.S., Canterbury College, 1934
 ROLAND FREDERICK ESPENSCHIED, B.S., 1943
 CLIFFORD EMERSON EVANS, B.S., Eastern Illinois State College, 1947
 ROBERT EUGENE EVANS, B.S., Purdue University, 1942
 JOHN BAPTIST FABRI, B.S., North Carolina State College, 1935
 HENRY CARL FAETH, B.S., 1949
 THOMAS JAMES FAGEN, A.B., Fisk University, 1927
 HAROLD EUGENE FILDES, B.Ed., Eastern Illinois State College, 1947
 FLORENCE MARIE BROWN FOSSETT, B.S., 1939
 ESCHOL NELSON GATES, B.S., 1940
 ELMO FREDERICK GENTES, B.S., Illinois State Normal University, 1948
 WILLIS RHINE GHOLSON, B.Ed., Southern Illinois University, 1939
 EVA ANTIS GILTNER, B.S., Southern Illinois University, 1948

- DAVID WARNER GREENLEE, B.Ed., Southern Illinois University, 1940
WANDA GUSTIN, B.Ed., Southern Illinois University, 1940
RAYMOND DEARL HAHN, B.S., Southern Illinois University, 1948
CARL EDWARD HAMLETT, A.B., Wilberforce University, 1928; A.M., Columbia University, 1932
RALPH DIXON HARRELL, B.S., Illinois State Normal University, 1947
CHARLES ELTON HART, B.S., Southern Illinois University, 1940
RALPH WALTER HARTSHORN, B.S., 1949
BERNARD QUENTIN HAYTON, B.S., Eastern Illinois State College, 1947
HARDY VERDELLE HAYWOOD, A.B., Wilberforce University, 1925; B.S., Northwestern University, 1933
LEONA VIOLA HEBERLEIN, B.Ed., Western Illinois State College, 1936
EDWARD LEE HILLYARD, B.Ed., Southern Illinois University, 1942
ERNEST LLOYD HOOD, B.S., Southern Illinois University, 1946
ROBERT HOWEY, B.S., 1937
JOHN LEWIS IRES, B.S., Eastern Illinois State College, 1947
RALPH DONALD IRVING, B.S., Northern Illinois State Teachers College, 1947
WADE EDMONDS JAMES, B.S., Cheyney State Teachers College, 1941
ALBERT RICHARD JOHNSON, B.S., 1949
ARTHUR LAWRENCE JOHNSON, A.B., Carthage College, 1938
DAVID JONES, B.S., 1949
EDWIN ERIE JONES, B.S., 1948
LOIS MAE JONES, B.Ed., Illinois State Normal University, 1943
EPHRAIM HAYES KENNARD, B.Ed., Eastern Illinois State College, 1941
ARNOLD JOHN KIBURZ, JR., B.S., 1935
JOHN VERNON KIRBY, A.B., Eureka College, 1923; A.M., 1936
FRANCES KLOSS, A.B., Iowa State Teachers College, 1937
ROBERT HAL KOCH, B.Ed., Northern Illinois State Teachers College, 1941; M.S., California Institute of Technology, 1943
RICHARD HARRAUFF KOPP, B.S., Northern Illinois State Teachers College, 1949
BYFORD RAY KYLER, B.S., Northern Illinois State Teachers College, 1948
ELEANOR JANE LAHEY, B.Ed., 1947
FORREST LANE LANCASTER, B.Ed., Eastern Illinois State College, 1938
LOY KIRK LANDERS, B.S., 1948
HERALL CORNELIUS LARGENT, B.S., 1946
FRED ROBERT LAYTON, B.S., 1949
FLORENCE PATTERSON LEMMONS, A.B., Carthage College, 1924
LOIS LULU LILLY, B.S., Illinois State Normal University, 1946
MAX GOMAN LINDSAY, B.S., 1949
MERLE ALLEN LOCKYER, B.S., Eastern Illinois State College, 1948
JOHN LOPRIENO, B.S., 1949
JOHN LUKACHIK, JR., B.S., 1949
HAROLD VICTOR LUNDGREN, B.S., James Millikin University, 1926; M.S., 1938
MARY ELOISE MAHAR, B.S., Northwestern University, 1948
WILLIAM NORTON MALINSKY, B.S., Southern Illinois University, 1948
LLOYD EVERALD MCCLEARY, B.S., 1949
HARRY AUGUSTUS MCCOLM, JR., B.S., Ball State Teachers College, 1947
VIOLET DEBORAH MCFARLAND, B.S., Eastern Illinois State College, 1945
ROSE ESTHER MCGUIRE, A.B., DePaul University, 1927
EARL ALLISON McLANE, B.S., Southeast Missouri State College, 1941
PAULINE CARMAN McNALLEY, B.S., Northeast Missouri State Teachers College, 1941
SIDNEY JAMES McNEAL, A.B., Stowe Teachers College, 1946
ALAN ROY MEDENDORP, B.S., 1949
JACK CLIFFORD MERWIN, B.S., 1949
EDWARD MIGIELICZ, B.S., Southeast Missouri State Teachers College, 1944
ROBERT DALE MOORE, B.Ed., Eastern Illinois State College, 1942
ELIZABETH CLARE MORSE, B.S., Eastern Illinois State College, 1944
MAX WILLIAM MYERS, B.S., Illinois State Normal University, 1947
PAUL ORR, B.Ed., Western Illinois State College, 1938
BERTHOLD CHARLES OSBORNE, B.Ed., Eastern Illinois State College, 1934
BETTY JEAN COX OWEN, B.S., 1947
WALTER DEAN PAGELS, B.S., 1949

- FOLLIS SCOTT PAUL, B.S., Central Missouri State Teachers College, 1939
 PHILIP NORSE PEMBERTON, B.Ed., Southern Illinois University, 1943
 HELEN IDA PERRY, B.S., Illinois State Normal University, 1945
 THADDEUS POROWSKI, B.S., Central Y.M.C.A. College, 1943
 WILLIAM LOWERY POWELL, B.S., 1942
 DONALD MATTISON PRINCE, B.S., Murray State Teachers College, 1948
 ROBERT MICHAEL PRYMUSKI, B.S., 1949
 ROBERT ROBINSON REHBERG, B.S., 1948
 VERNIE RAY RENDER, B.S., Southern Illinois University, 1947
 WILLIAM RAGLUS ROSENTHAL, B.S., 1949
 HERBERT CHARLES RUDMAN, B.S., Bradley University, 1947
 FRED SANFORD RUSSELL, JR., B.S., 1948
 JOHN MICHAEL SCACCUTO, A.B., Western Michigan College of Education, 1949
 HERBERT GENE SCHEFFLER, B.S., University of Oklahoma, 1940
 FRED KATHRYN SCHMIDT, B.S., 1941
 FREDERIC DEAN SELMEYER, B.Ed., Illinois State Normal University, 1943
 MERLA BEATRICE SHARPE, B.S., Lincoln University, 1941
 DOROTHY IMOGENE WALKER SHERADEN, B.S., 1948
 GEORGE SISCO, B.S., Loyola University, 1949
 SISTER MARY RICARDA MAHONEY, B.Mus., Fontbonne College, 1948
 SISTER THOMAS AQUINAS WINTERBAUER, A.B., Catholic University, 1937
 EDWARD EMMERSON SLUDER, B.S., Eastern Illinois State College, 1947
 HAZEL ISLEY SLUDER, B.Ed., Eastern Illinois State College, 1942
 CECIL DALE SMITH, B.S., 1941
 TRUMAN PERCY SMITH, B.Ed., Southern Illinois University, 1936
 OPHIA MAE SOKOLOWSKI, B.S., 1949
 CURTIS RONALD STAFFORD, B.S., 1947
 EARL WALDO STEININGER, A.B., 1940
 ROMILDA WOLFF STEPHENSON, B.S., Illinois State Normal University, 1949
 MABEL RUTH STEWART, B.Ed., Southern Illinois University, 1938
 JESSE WHAM STONECIPHER, B.Ed., Southern Illinois University, 1939
 LLOYD PHILLIP SWANSON, B.S., University of Nebraska, 1938
 LESTER DEWITT TAYLOR, B.S., Greenville College, 1948
 ERNESTYNE ETHEL THATCH, B.S., Arkansas State College, 1940
 ESTELLE NAOMI THOMPSON, B.S., 1942
 EVERETT LEE THOMPSON, B.S., Arkansas State College, 1940
 JOHN PAUL TIGHE, B.S., Pennsylvania State College, 1948
 RODGER NELSON TROXEL, B.S., 1948
 JOHN HOWARD TURNER, B.S., 1941
 BEATRICE TUTTLE, B.Ed., Southern Illinois University, 1943
 LAVERNA TUTTLE, B.S., Southern Illinois University, 1945
 ANDREW MICHAEL URBANCEK, B.S., 1939
 MAC CARL WALDRIP, B.Ed., Eastern Illinois State College, 1936
 GLENN ALEXANDER WASER, B.S., 1933
 PAUL KENNEDY WEATHERLY, B.S., 1947
 ALICE EMMA WELLPOTT, B.S., 1946
 RUSSELL MARVIN WESSELS, B.S., Illinois State Normal University, 1948
 HELENA JANET WESSER, B.S., Indiana State Teachers College, 1947
 KEITH BURTON WILCOX, B.S., 1949
 JOHN CALVIN WILLARD, B.S., University of Chicago, 1941
 BURWELL WARREN WILLIAMSON, B.S., Illinois State Normal University, 1947
 NORLAND REXFORD WILSON, B.S., 1949
 THOMAS LESSLEY WILSON, B.S., Slippery Rock State Teachers College, 1931
 LOWELL LEROY WISEMAN, B.S., 1948
 WILLARD WAYNE WITTE, B.S., 1939
 EDWIN THOMAS WYMAN, B.S., Murray State Teachers College, 1939
 RUFUS YOUNG, JR., B.S., Lincoln University, 1945
 SAMUEL ZATKOFF, B.S., 1949

In the Education of the Deaf

- CATHARINE DELAVAN ADAMS, B.S., St. Norbert College, 1942
 EILEEN JACKSON, A.B., University of Louisiana, 1949

In the Education of Mentally Handicapped Children

ELEANOR BERNICE CHRISTNER, B.Ed., Eastern Illinois State College, 1938
ELIZABETH MARCIA DUCEY, B.S., 1948
IVAN KENNETH GARRISON, A.B., Illinois College, 1948
LAURA JOSEPHINE JORDAN, A.B., 1948

In Electrical Engineering

DELBERT CLIFTON BAKEMAN, B.S., South Dakota School of Mines, 1949
LEON BAUM, B.S., Massachusetts Institute of Technology, 1949
FRANK EUGENE BUTTERFIELD, JR., B.S., 1941
RICHARD ALDEN CAMPBELL, B.S., 1949
CARMON LAVON CLAY, B.E.E., Ohio State University, 1939
GEORGE CLINTON CURTIS, B.N.S., B.S., 1948, 1948
DON DEE DAVISON, B.S., Illinois Institute of Technology, 1948
JOHN DOUGLAS DYSON, B.S., South Dakota State College, 1940, 1949
STANLEY FELDMAN, B.S., 1950
ALFRED HARLAN GETTY, B.S., Kansas State College, 1949
ROBERT ERWIN HILL, B.S., Purdue University, 1949
ROBERT LOUIS LEBDUSKA, B.S., 1949
JAMES DENIS RODEMS, B.E.E., University of Louisville, 1947
ERNEST FREDERICK SCHWAM, JR., B.S., University of Connecticut, 1949
HARVEY JAY SCHWARTZBERG, B.S., Louisiana State University, 1949
HARLAN WELBERT VAN GERPEN, B.S., South Dakota School of Mines and Technology, 1949
LEO GEORGE WOERNER, JR., B.S., Swarthmore College, 1949
SAUL B. YOCHELSON, B.E.E., Ohio State University, 1948

In Geography

WILMAN JOSEPH FAVERO, B.Ed., Illinois State Normal University, 1940

In Geology

JUNIOR CHAPMAN BANDY, A.B., Berea College, 1949
JACK WARREN PIERCE, B.S., 1949
HENRY EUGENE SNEED, B.S., Mississippi State College, 1949

In Home Economics Education

HAZEL ENID AITCHISON, B.S., Bradley Polytechnic Institute, 1926
INES MARIA BRESSAN, B.S., MacMurray College, 1945
DOROTHY MARIE BRUNSKILL, B.S., 1946
LILLIAN WILLA MARIE FORCHT, B.S., Illinois State Normal University, 1944
GWENDOLYN FRANCES HAMMER, B.S., 1937
ELLEN PATRICIA HANSEN, B.S., 1948
GEORGINA MARGARET SMITH, B.S., Eureka College, 1938
RUTH HUBBART THOMPSON, A.B., 1923

In Journalism

WILLIAM THOMAS TUCKER, A.B., DePauw University, 1941

In Library Science

JOHN FIRTH ANDERSON, A.B., Michigan State College, 1949
FANNIE MAE BARTMAN, A.B., Illinois Wesleyan University, 1932
MARTHA LYDIA BIGGS, A.B., Lake Forest College, 1929
THELMA CALFEE BIRD, B.S., Radford College, 1932
MABEL STOKES BOULDIN, B.S., Loyola University, 1940
MARTHA RUTH CAMPBELL, B.S.(L.S.), Virginia State College, 1946
MORTON COBURN, B.S., 1949
MERRIBETH COOK, A.B., University of Missouri, 1948
DOROTHY ELAINE DEBRAAL, A.B., Carthage College, 1949
HELEN LOYOLA DILLON, B.S., DePaul University, 1938
WILLIAM LAND DUNCAN, B.S., Centre College, 1949

JAMES PARVIN DYKE, A.B., Hardin-Simmons University, 1942; A.B.(L.S.), University of Oklahoma, 1946
HARRIET LYNN GRANADE, A.B., Monmouth College, 1949
VERNA HAZEL GRIFFITH, B.S., A.M., Northwestern University, 1944, 1946
HAROLD O. HARLAN, A.B., University of Missouri, 1949
HANNAH MARY HORNER, B.S., Indiana University, 1943
HARRY JOSEPH JORIA, B.Ed., Illinois State Normal University, 1938; Ed.M., Chicago Teachers College, 1940
SHERWOOD KIRK, A.B., University of Kentucky, 1949
MARY KIEWER, A.B., York College, 1938
SHIRLEY LOIS KOHN, B.S., Northwestern University, 1948
EFFIE NORRIS LAPLANTE, B.S., B.S.(L.S.), University of Minnesota, 1928, 1934
RALPH EDWARD MCCOY, A.B., Illinois Wesleyan University, 1937; B.S.(L.S.), 1939
HELEN RYAN MURRAY, A.B., Ball State Teachers College, 1929
BEULAH NANCY OLINGER, A.B., Manchester College, 1929
ROBERT WILLIAM ORAM, A.B., University of Toledo, 1949
FRANKLIN PARKER, A.B., Berea College, 1949
MADELINE SANDER RIFFEY, A.B., University of Iowa, 1944
JANE CAMILLA ROMAN, A.B., Smith College, 1948
SISTER MARY BERNARD FRIESS, A.B., Rosary College, 1939; B.S.E., University of Akron, 1939
NELLIE MAE WEZEMAN, A.B., Hope College, 1946

In Management

GEORGE J. GORE, B.S., 1949
ROBERT LEE GRUBAUGH, B.S., Eastern Illinois State College, 1949
HAROLD BROWN SIMPSON, B.S., 1940

In Marketing

CHARLES KRAMER, A.B., Colby College, 1948

In Mathematics

WILLIAM CLARENCE BENNEWITZ, B.S., 1949
MAHMOUD AHMAD EL-MELEHY, B.S., Fouad University, 1947; M.S., Ohio State University, 1949
DOROTHY JEAN JOHNSTON, B.S., 1947
MARTIN KRAKOWSKI, A.B., 1949
JOHN WILLIAM ROLLEY, B.S., 1949

In Mechanical Engineering

ERNEST R. ARCHAMBEAU, JR., B.S., Texas Technological College, 1949
BRUCE EDWARD BOSWELL, B.S., 1949
JAMES SEAY BROWN, B.S., Tennessee Polytechnic Institute, 1941
ELDON JOHN BRUNNER, B.S., 1949
WEN-LUNG CHOW, B.S., National Central University, 1946
BERNARD WILLIAM HILL, B.S., New Mexico College of Agriculture and Mechanic Arts, 1947
ROBERT CHARLES JUVINALL, B.S., Case Institute of Technology, 1939
ROSS PRESSLEY STROUT, B.S., George Washington University, 1937

In Music Education

ALICE RUNKWITZ DUNN, A.B., McKendree College, 1949
ROSALIA MARY JOST, B.Mus., A.B., MacMurray College, 1939, 1942
GERDA THEODORA KUBITZ, B.Mus., University of Wisconsin, 1942
FLOYD CLINTON MEAD, B.S., 1948
ETHELYN VIRGINIA MOSGROVE, B.S., 1948
LOIS MARY NORTON, B.Mus., Oxford College for Women, 1926
SISTER MARY MONICA ROSS, B.S., 1945
ARNOLD KENNETH WILLIAMS, B.S., 1949
CLEMENT LEE WILLIAMSON, A.B., Lake Forest College, 1930; B.S., Missouri State Teachers College, 1940

In Physical Education

MELVIN EUGENE BRODT, B.S., Miami University, 1949
JOSEPH HERMAN DAVES, JR., A.B., Talladega College, 1948
WILSON MALOY DAY, B.Ed., Eastern Illinois State College, 1942
JAMES ANDREW EBBESEN, B.S., Northern Illinois State Teachers College, 1949
ROBERT DEAN ELLIOTT, B.S., Miami University, 1949
WILLIAM DON FALLER, B.S., State College of Washington, 1949
LEO LEONARD GEDVILAS, B.S., 1947
ROBERT MILTON GRUETER, B.S., University of Wyoming, 1948
ROBERT DUANE HALFORD, A.B., Morningside College, 1941
JESSE CASH MACLEAY, B.S., Springfield College, 1949
ZOLLIE McCULLOR MAYNARD, B.A.E., University of Florida, 1937
JOYCE ARDEEN PERBIX, B.S., 1949
CARL WARREN SELIN, B.S., Northern Illinois State Teachers College, 1949
DONALD ALEXANDER VON EBERS, B.S., 1949
ROBERT WILLIAM WALKER, B.S., Northern Illinois State Teachers College, 1949
CHARLES PAUL WOLBERS, B.S., University of Pittsburgh, 1949

In Physics

DAVID RANDOLPH CHIPMAN, B.S., Massachusetts Institute of Technology, 1949
HOWARD GORDON COOPER, JR., B.S., 1949
S. MARVIN FREEMAN, B.E.E., New York University, 1948
RICHARD CARREL MILLER, B.S., University of Chicago, 1948
BRUCE HARLAN NOORDHOFF, A.B., Miami University, 1949
DAVID CLAIR RICH, B.S., Texas Technological College, 1949
ABRAHAM SOSIN, Ph.B., B.S., University of Chicago, 1948, 1949
ROBERT EARL SWANSON, A.B., Hastings College, 1942
HENRY PAUL WHITTEN, B.S., Mississippi College, 1949

In Physiology

MILDRED ELAINE KELLER, A.B., Randolph-Macon Woman's College, 1947
JOHN WILLIAM YUSKEN, B.S., Northwestern University, 1949

In Speech Correction

DORIS MARTIN COLVIN, A.B., Monmouth College, 1949
BETTY JAYNE MILLER HARDIN, A.B., Northwestern State College, 1948
WANDA RICH LEBDUSKA, A.B., 1947
AVA MARIE ENNIS TINGLEY, A.B., 1929

In the Teaching of Biological Sciences and General Science

RENA GERALDINE KAHN, B.S., 1946
ORRIS ARTHUR SENG, A.B., 1949
ROBERT DOYLE SISSON, B.Ed., Eastern Illinois State College, 1941
MAMIE IDELLA WALKER, B.Ed., Eastern Illinois State College, 1942

In the Teaching of English

THELMA PARENTI, B.Ed., Western Illinois State College, 1947

In the Teaching of Mathematics

RICHARD B. FREY, A.B., Carthage College, 1948

In Theoretical and Applied Mechanics

ANDREW AARON BJELLAND, B.S., 1948
JOHN ARTHUR HUMBLE, B.S., Rose Polytechnic Institute, 1949
ROBERT LEE WATSON, B.S., 1949

In Veterinary Pathology and Hygiene

JAMES ROGER WADSWORTH, V.M.D., University of Pennsylvania, 1944

In Vocational Agriculture

DAVID EARL SISTLER, B.S., 1948

In Zoology

LEONARD DURHAM, B.S., 1949

CHARLES FRANCIS ELLERMANN, B.S., 1949

DONALD CHARLES GOODMAN, B.S., 1949

CYRIL WILLIAM KUPFERBERG, B.S., 1949

Degree of Master of Fine Arts*In Painting*

JANE BURKE BETTS, B.F.A., 1946

EDSON LEE CASPER, B.F.A., Art Institute of Chicago, 1949

Degree of Master of Music

CARDON VERN BURNHAM, JR., B.Mus.Ed., Bradley University, 1949

VIRGINIA LEE PARRY, B.Mus., Illinois Wesleyan University, 1949

SISTER MADELEINE SOPHIE GOLDKAMP, B.Mus., Fontbonne College, 1941

COLLEGE OF LAW**Degree of Bachelor of Science***In Law*PHILIP EVERETT PETERSON, with
Honors

CHARLES JOHN WINIKATES

Degree of Bachelor of Laws

STUART JEROME BONEM, B.S., 1948

LIONEL IRVING BRAZEN, B.S., 1949

BJORN CHRISTOPHERSEN

THOMAS JAMES HALPIN, B.S., 1949

GALE PILLSBURY HILYER, JR., B.S., 1948

BUFFORD WATSON HOTTLE, JR.

JOHN RICHARD KELLER, B.S., 1949

KATHLEEN ELIZABETH KELLY, B.S.,

1949

ERIC PAGE McNAIR, B.S., 1949

JOHN JOSEPH MORAN, B.S., 1949

WILLIAM KIRLEY O'CONNOR, B.S., 1949

ARTHUR LOWELL PRICE, JR., B.S., 1948

ROBERT HARRISON RECK, B.S., 1949

HAROLD EDWARD SORTOR, B.S., 1949

ERNEST HARPER UTTER

Degree of Doctor of Law

CHARLES HENRY BOWMAN, B.S., 1949

ARTHUR BRANTMAN, B.S., 1949

HARRY C. PIRTLE, A.B., Southern

Illinois University, 1950

COLLEGE OF AGRICULTURE**Degree of Bachelor of Science***In Agriculture*

CHARLES BLAIR ALLEN, with Honors

DONALD ROBERT ANDERSON

ROBERT LA FOLLETTE ANDREWS

LESTER RAY AUSTIN

CALVIN EARL BAYLOR

GLEN EDWARD CARLETON, with Honors

LEE RAYMOND CARLSON

STANLEY EUGENE Ceglinski

JOHN RICHARD CRADDOCK, with Highest

Honors

GENE LOUIS ELLIOTT

LORIMER DICKINSON ELWELL, JR., with

High Honors

WILLIAM JAMES ERVIN

JUSTIN ROBERT FUELLEMAN

EUGENE RICHARD GUGERTY

RICHARD SEVIER HUDSON

WILLIAM JOSEPH MATTHEWS

WILLIS EVERETT MCKINNEY, JR.

THOMAS WILLIAMS MILLS

MICHAEL VINCENT O'CONNELL

ERNEST WAYNE OZIER

MILAN PETRAS

ROBERT RAPPAPORT

JAMES ROBERT ROUSH, with High

Honors

THOMAS KINAHAN RULE

RICHARD SHINKLE SOUDER

BOB HAROLD STIERWALT
KENNETH EDWIN STULL
BURDETTE ELMER SWANSON, with High
Honors
DONALD LEE TEEL

FREDERICK KARL WAECHTER
WILLIAM MARTA WAKEMAN
ROBERT D. WALKER
WILBUR HERALD WOOD
RICHARD KYLE YOHNKA

In Dairy Technology

OLLEN WILLIAM RAMEY

DONALD GENE RUESTMANN

In Home Economics

CAROL CHAPMAN CLEVEN
JANET GRIGG
DOLORES EPSTEIN NEUHAUSEN

JANE MOORE RUSKIN, with Honors
KATHRYN JEAN WHITENACK
HELEN OGDEN ZAJIC

In Home Economics Education

ELIZABETH JEAN KEEFER

In Vocational Agriculture

JAMES MANCIL CUNNINGHAM, with
Honors

ARLIN HENRY OBST
BYRON AUGUSTUS PETERS

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical Engineering

HENRY LEE BESTOR
LADDIE FRANK MASTNY

GERALD JOSEPH REYNOLDS
KENNETH EUGENE WEISS

In Agricultural Engineering

ANDREW JUNIOR ASHER
WALTER MARTIN ASHLEY, Jr.
KENNETH LOUIS EIDMAN

CARL MILLARD JACOBS
WARREN ARTHUR KENT
MICHAEL MOLITORIS

In Ceramic Engineering

ROBERT ENGH LINDSTROM

In Civil Engineering

JAMES WILLIAM ASBURY
THOMAS GRIFFIS BOARD
DALE WENDELL BURROUGHS
JOHN LE BARON CRIDER
ALBERT FRANK

JAMES MARK IOCCA
ARTHUR JOHN MILLER
DAVID ARTHUR ROGOW
ROBERT EARL VAIL

In Electrical Engineering

CHARLES ELWYN ANDERSON
JOHN CARSON BARKER
WILLIAM SYLVESTER BARRETT
DONALD RUSSELL BARTHE
MAX STUART CASLER, with High
Honors
EDWIN HALL CHAPIN
GERARD JOSEPH COWLEY
ARTHUR JACKSON DAVIS, with Honors
WILLIAM DEWEY DE VORE, Jr.
HAROLD BENJAMIN ELLICOTT
MARK RICHARD ESTABROOK
GEORGE GLENN FLAIG
NEAL FRED FRERICHS
ARMANDO ENRIQUE GUIA-MONASTERIO,
with High Honors
AMBROSE MICHAEL GURIEL

EARL JAMES HAJIC, with High Honors
REUBEN EUGENE HOPKINS
HAROLD ROBERT HOWELL
WILLIAM HENRY JACAWAY
WILLIAM LOUIS JACQUES
STEVE JOHN JANJI
FRANK ANTON JANTZ
BERT OTTO JOHNSON
ROBERT KESLIN
ROBERT BLISS KINNEY
CHARLES FREDERICK KRAUSE
CHARLES ROY LEEPER
MICHAEL LAWRENCE LEGLAIRE
JOSEPH LOOS, Jr., with Honors
LUTHER MOHLER LORANCE, Jr.
LOUIS WILLIAM MAKK
HUGH FERGUSON MARSHALL

GEORGE MCCAIN
 RICHARD STEWART PHILLIPS, with
 Honors
 ROBERT LEE PRICE
 RICHARD SVEN ROEING
 ROBERT JOSEPH ROSSING
 WILLIAM JOHNSTONE SELKIRK
 WALTER CONRAD STEMLER

WILLIAM HENRY TOMETICH
 BERFORD ALEXANDER TURKE
 KENNETH JUDD TYSSSEN
 ARTHUR CHARLES VACCARO
 ROBERT THEODORE VANREENEN
 CLAIRE RUSSELL WAINWRIGHT
 HUGH OTIS WELLS
 JOSEPH EUGENE WILSON

In Engineering Physics

HERMAN MAIER DIECKAMP

In General Engineering

ARTHUR WILLIAM BUCKNER, JR.
 FRANCIS JOSEPH CROWLEY
 JOHN GEORGE GERCHALK
 JAMES GEORGE GREANIAS
 GEORGE WALLACE MADDOX

DANIEL GEORGE MANCZAK
 JACK DARRELL MORRIS
 ROBERT JOHN PIETKA
 MILTON LOUIS STEINER

In Mechanical Engineering

EDWARD WILLIAM ASMUS, JR.
 JOSEPH GREELEY BLICK
 EARL MILTON BRAGG, JR.
 CARL WALTER CARLSON
 EARLE WALTER CHESNUTT
 HENRY STANLEY CHODACKI
 JAMES LEARD DAVIDSON, JR.
 JAMES DURWARD EATON, with Honors
 JAMES PETER FAIRBAIRN
 DAVID COCHRAN FARISS
 ROBERT EDWARD GLUCK
 DONALD LYNN GOLLAHON
 ROBERT JOHN HARER
 LOY GENE HOLDER
 LYNHAM DOUGLAS JONES
 BERNARD FRED KALVELAGE
 LAMBERT JAMES KILBOY, JR.
 MURRAY KRUPNICK
 GLENN DOUGLAS LAWSON

FOOK HO LI
 ALAN MACDONALD, JR.
 HAROLD WAYNE MASON
 RAYMOND ARTHUR MOEHLE
 HOWARD FRANCIS MORAN
 JAMES J. NAKANISHI
 RICHARD PHILMORE OSBERG
 IRWIN PALMER
 WALTER RUSSELL PEIRSON
 JEROME MORTON PODOLSKY
 STEVE ANTHONY SPRETNJAK
 CHARLES VINCENT STARMAN
 CHARLES ALFRED STOCKS
 GLENN PAUL STUBENRAUCH
 FRED FRANK SUPERGAN
 LEONARD WALTER SZYMANSKI
 EDWARD EMMETT THOMAS
 DON OLAF WENDELBORG

In Metallurgical Engineering

WARREN WILLIAM DAVIS

EDWARD THOMAS GALE

In Mining Engineering

JAMES RUSSELL MILLER

COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

In Liberal Arts and Sciences

BEVERLY ROSE ADDIEGO
 JAMES RICHARD ALLEN
 NATALIE DELORES BAILEY
 JO ANNE BECKER
 ARNOLD ELLIS BEGUN
 ELAINE SYLVIA BERSON
 JOHN ROGER BRAY, with High Honors
 in Botany
 FRANCES ELIZABETH BROWN
 CARL BURT CARLSON
 ROBERT B. CHATZ

MARY JANE CONNELL
 WANDA LEE CECELIA DOYLE
 SAMUEL ISIDORE FEINSON
 HERBERT SHELDON FRIEDMAN
 JOHN WARREN FRISCH
 BARBARA SWAIN GAUMER
 WILFRED LAURENCE GEEDING
 HERBERT MANLEY GOLDMAN
 JEAN ROSELLINI GOWGIEL
 WILLIAM FREDERICK HENSOLD
 GEORGE THOMAS JIARAS

DALE WAYNE KALLSTROM
 JOHN GROSVENOR KING
 CECILIA PAULA KLUCZYNSKI
 ROBERT JOSEPH KRET
 FRANCIS PATRICK KWAN, with High
 Honors in Chemistry
 JEANNE GLORIA LEE
 WILLIAM DAVID LEWIS
 GILBERT BARROMELO MANNING
 WILLIAM THOMAS MARTIN
 ADELE MASON
 ANNA FRANCES MATNEY
 JOHN HARLAN MEINERS
 MAURICE SIDNEY NADELMAN
 RICHARD LAWRENCE NELSON
 EDWARD NYKAZA
 AUDREY COMER OPPENHEIMER

DORIS JACQUELINE PERSINGER, with
 High Honors in Spanish
 MARGIE LORRAINE PETERS
 JOSEPH LEO PREISSIG, with Honors in
 Political Science
 JAMES WILLIAM PROKOP
 JOHN CASIMIR PRZYPYSZNY
 SHIRLEY JOAN RACINE
 DONALD RICHARD REIMER
 WALTER BRUNO REMDT
 LENORE SANDERS
 JOANNE SEIDLER
 IDAMAY DINSMORE SWENSEN
 IRA JAY WEINSTEIN
 JOHN LOUIS WHITE, JR.
 LILLIAN JANE WILLIAMS
 DOLORES BECK WRIGHT

In Home Economics

FLORENCE JUANITA LEWIS

In the Teaching of English

MURIEL WINNIFRED PATTERSON

In the Teaching of German

INKA HIRSCH ARSENEAU

In the Teaching of Social Studies

JOHN BERNARD MAYER, with Honors
 ROSEMARIE RECKLING, with High
 Honors

PAUL JAMES STEWART, JR., with
 Honors
 PATRICIA JANE THOMAS

In the Teaching of Speech

IRENE HELEN CLAUSEN
 NANCY ELIZABETH HELME

CAROL FAYE WAGLE

Degree of Bachelor of Science

In Chemical Engineering

ROBERT FRIEDMAN, with Highest
 Honors
 EDWARD FRANKLIN GRIZZELL
 CARL LAVERNE HART, with High
 Honors
 DANIEL GEORGE KEEFE

DONALD MICHAEL KLEIN
 EUGENE LEROY POWERS
 NORMAN ALBERT REMER, with High
 Honors
 NEAL DOW SMITH, JR.

In Chemistry

ROBERT GLENN FESSLER, with Honors
 EMILY FISCH, with Highest Honors
 WALTER THEODORE GRZEGORZAK
 JACK WAUGH HEBERLING, JR., with
 High Honors

ROBERT LOUIS POYNTER
 THOMAS ARNOLD REED, with Honors
 ALVIN JOSEPH UNICK
 JACK EDWARD WEILER
 NATHAN ZLOTOWITZ

In Home Economics

LAURA JEAN REIDELBERGER FARMAN-FARMAIAN

In Liberal Arts and Sciences

AUDREY FLORENCE COHN
 JAMES O'DONNELL CUNNINGHAM
 DAVID GORDON DAehler
 JOHN COREY DANIELSON
 BARBARA JEAN DICKEY
 JOHN WILLIAM FINUCANE
 BETTYLENE WELSCH FRANZUS

GEORGE SPIRO GEORGACAPULOS
 IRVING GITTELMAN
 EUGENE EDDIE GRASSEL
 ELIZABETH MARY GROSSMAN
 EDWARD FRANKLIN HARRISON, with
 Honors in Bacteriology
 DAVID LEE AUGUST LANCEBARTEL

JOHN NEIL MARQUIS
 JEROME HENRY MCKENNEY
 JAMES DAVID MYERS
 RUTH NEWMAN NANUS
 EARLE GEORGE PERSON, JR.
 MALCOLM ALAN POOLE, JR.
 JAMES FRANCIS ROBINSON
 JORDAN MAYNARD ROSENBAUM
 GROVER JOHN D. SCHACK
 WALTER JOSEPH SCHREIBER, JR.

PATRICIA JULIA BOTHWELL SCHROEDER
 CARL FREDERICK SEPMAYER
 LORRAINE FRANCES TAUBER
 SARAH EILEEN TAYLOR
 JOYCE GERALDYNE TREWYN
 VIRGINIA CLAIRE VAN VELZER, with
 Highest Honors in Psychology
 WILLIAM RAYMOND WATSON
 HENRY JOSEPH ZIELINSKI

In Speech Correction

MARGARITE DORIS ECKHARDT

In the Teaching of Geography

WILLIAM JOSEPH CRESCENZO

LIBRARY SCHOOL

Degree of Bachelor of Science

In Library Science

RUTH MAXINE BATMAN, with Honors
 MILDRED CAROLYN BOPP
 MARIAN ELIZABETH DIERDORFF
 JESSIE MAY DOUGLAS

BETTY MAXINE HARRIS
 HELEN HOWARD KUYKENDALL
 ALENIA BELLE MCCORD, with Honors
 VERNA JEAN VAN VELZER

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

LENORE ISAN COHEN
 GERTRUDE FRANCES ROBINSON CORDELL
 GEORGIA ELIZABETH DONEY
 RALPH GILBERT DUDLEY
 RHETA JOYCE EISENBERG, with Honors
 in Education
 ANNE BURNETT FLINT
 THERESA GERTRUDE GILLEN
 GLENN CURTIS HALL
 ROBERT JAMES REYNOLDS LARGEN

FERN FREED LEVIN
 GEORGE WALTER MAYS, JR.
 HENRY CHARLES MEYER
 DONALD DALE ROBINETT
 DON GLENN RUCKRIGEL
 RAYMOND JULES SCARCE
 JAMES WILLIAM SMITH
 NELLIE ODELIA HELM WESLEY
 MILDRED ERLENE WRIGHT

In the Education of the Deaf

ANTOINETTE PATRICIA NOCEK

In Industrial Education

JOHN EMERSON GRISWOLD, with
 Honors in Education

EURUS VERNON STOLTZ
 JOHN RICHARD UEBLER

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

HAROLD AXEL AHLBECK
 LOUIS SEBASTIAN BAUER, JR.
 RAYMOND LEROY BONAGUIDI
 ARNOLD FISCHER BROOKSTONE
 KENNETH LEROY CLEAVER, with Honors
 KENNETH DANIEL COOK

HAROLD EDWARD EARHART
 ROBERT ELDON FRANZ
 JERRY JOSEPH GAMBINO
 CARL HERBERT GOLTERMANN, with
 Honors
 VIRGIL EDWIN GOODRICH, with Honors

STUART HARVEY GREEN
 JOHN CASS GRISSOM
 DALTON LAVINE HILDRETH, with
 Honors
 HERBERT ABRAHAM HOFFMAN
 IRWIN JACOBSON
 JEAN PATRICK KAINE, with Honors
 CECILY ANNE KLEIN
 WILLIAM LAIRD KNODELL
 THOMAS CHRISTIAN KRUEGER
 HARLEY DAVIS LICHTENBERGER
 RUBERT JOHN LINDQUIST, JR.
 FLOYD LOFCHIE

EDWARD DONALD MOUNTZ
 RICHARD AUSTIN PARKS
 LEWIS DEAN PETRY
 ALBERT WALTER RECHER
 LEON PHILIP REISTROFFER
 FRANK STEVE RIVARA
 LAWRENCE ARTHUR RUHNOW
 NILES RICHARD SAGER
 WILLIAM ROBERT TODD
 CLARENCE WARREN VOGLER
 ROBERT LESLIE WARD
 FRED PIERCE WILSON, with Honors

In Banking and Finance

KENNETH HAGMAN FRYE

JOHN DALE THORNTON

In Commerce and Law

ROBERT FRANKLIN BRANDWEIN
 JOHN FRANCIS MCKINZIE, with Honors

ROBERT CHARLES THOMPSON

In Commercial Teaching

JEANNETTE MARY CATHERINE ALTHOFF

In Economics

BURTON FRANK KOEPKE
 ROBERT HOWARD RIEMENSNIER, with
 High Honors

CARL EMIL WAGNER, with High
 Honors
 GEORGE HENRY WILSON, with High
 Honors

In Economics and Marketing

RICHARD JAMES KIRBY

ROGER LEE MCCULLOCH, with Honors

In Economics and Public Affairs

MAX CALVIN BURCKY, with High Honors

In General Business

HAROLD KINGSLEY

In Industrial Administration

JOHN TROSSEN CARROLL
 IRVIN HARRY DONER
 DONALD FREDERICK LITWIN
 JERRY MENCINSKY

LOUIS EDWIN PARKINS
 JACK JUHL SWENSEN
 RICHARD MALCOLM TURNER
 SAMUEL HAROLD WEINTRUB

In Management

ALVIN RAPHAEL COOKE, JR.
 ANTHONY ENTILE
 ROBERT CLYDE GREEN
 LARUE BRIAN HIGHSMITH
 MELVIN AARON KRAMER
 RAYMOND HAYES MOORE, JR.
 JAMES MELVIN OTTOSON
 JOHN WILLIAM PAINTER
 KENNETH ELMER PEARSON

OSWALD JOSEPH PIUNTI
 ROBERT ELVIN PRICE
 CARL ROBERT ROACH
 SHELDON HERSCHEL ROBINSON
 JERRY SCHAFFNER
 ROBERT LANDIS SCHERTZ
 BERNARD DANIEL TAUBER, JR.
 CHARLES HARGER WHITELEATHER, JR.
 RALPH EUGENE WINKLER

In Management and Marketing

GALE EUGENE CRAWFORD
 EARL GEORGE EBERHART
 DAVID LEWIS FISHER
 LELAND WILLIAM FUCHS
 HAROLD KRANS JOHNSON
 EUGENE JOSEPH KALTENBRONN

JAMES FRANCIS MITCHELL
 BERNHARDT ERICK OLSON
 PETER LEO PANTAROTTO
 JOHN FREDERICK SCHMALING
 FRANCIS JOSEPH STENGER
 EDWARD ANTHONY ZALDOKAS

In Marketing

HARRY TOWNSEND ALLEN
 BERTIL EMANUEL ANDERSON
 FREDERIC HENRY BALZER
 MATTHEW CASIMER BERES
 DONALD EUGENE BETTISWORTH
 LEWIS EVERETT BURRITT, JR.
 ERNEST RALPH COLLINS
 WILLIAM ANDREW CREAMEAN
 DUANE CURTIS DeCOTA
 LOWELL DAVID EMBS
 JOHN LAWRENCE HAYES
 ARTHUR WILLIAM HOLLE
 ROY DALE HOSTETLER

JOHN ANTHONY INGRASSIA
 WAYNE FRANKLIN JOHNSON
 MAX FERDINAND KOHLSDORF, JR.
 HAROLD JAMES LANKFORD
 AUBREY HARRIS LeGRANDE, JR.
 ROBERT BURNS NICHOLSON
 RICHARD ALAN ROSENGARD
 CLARENCE WILLIAM SCHULTZ, JR.
 KENNETH BREVIK STRAND
 EUGENE A. SURATT
 ELLIS GEORGE WACHS
 ROBERT THEODORE WELSCH
 ROBERT LOUIS WOOD

In Public Affairs

INEZ ESTHER BAKER

SCHOOL OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Journalism

CHARLES RICHARD BRODERICK
 WALTER JEWETT DAWLESS
 EDWARD JAMES DONEY, JR.
 PETER FLEISCHMANN
 MELVIN JOHN GARBER
 MYRNA JOAN GROSSMAN

STANLEY KOLKER
 BRUCE C. MOSHER
 JACK EDWARD NOONAN
 RUTH ELIZABETH SHAW
 PATRICIA DARLAND VENEKLASEN

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Science

In Architectural Engineering

JOE DAVIS ALLEN
 WARNER HENRY CISKE
 WILLIAM BUNTIN DEEMING
 GUNDUZ SAIT GUNGEN, with High
 Honors

DONALD ROBERT MEYER
 LOUIS JAMES MILLER
 EDWARD JOSEPH MONAHAN

In Architecture

JACK COLWELL BLACKMAN
 BRUCE DAVID BOSWELL
 HARRY EUGENE COOLER, JR., with
 Honors
 WILLIAM PAUL CRAIG
 WALTER LAWRENCE KERR

WILLIAM BERNARD KOERBER
 RICHARD LEO KREUTZ
 HERBERT HENRY THOMPSON
 LYMAN RAY TROXELL, JR., with Honors
 HALFDAN WENDT

In Music Education

DALE CLIFFORD COLLINS
 ESTHER CORETZ, with Honors
 ROBERT THORNTON CROWDER
 CYNTHIA SUE McILHENNY, with
 Honors

JERRILENE ODOM
 ROBERT ANDREW SNYDER

Degree of Bachelor of Fine Arts

In Advertising Design

LEE ALBERTSON, JR.
 CHARLES KENNETH BAKER

JEAN PLAMBECK

In Art Education

MARY ALICE ENRIGHT

YOLANDA LOUISE ROSSI

In Industrial Design

ROBERT EDWIN HORTER, JR.

PAUL JUNIOR SCHWIND

In Painting

PAT JANE BOODELL, with Honors

DONALD ROSS STEVENSON

Degree of Bachelor of Music

PAUL MARION, with Highest Honors

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

ROBERT DEAN CAIN
 FREDERICK EUGENE EWING
 LAWRENCE ARTHUR GOLDING
 ROBERT LEONARD HITCHEN
 DON JUAN LESHER
 ARTHUR MINDES

RICHARD BARRETT MUDGE
 CHARLES JOHN WILFORIE ROBERTS, JR.
 ARTHUR LELAND SHEARBURN
 MATTHEW THOMAS SMERDEL
 CLIFTON LEROY TOZER
 RICHARD WEISSMAN

DIVISION OF SPECIAL SERVICES FOR WAR VETERANS**Degree of Bachelor of Science**

DAGFINN ODLAND AMDAL
 GILBERT WILLIAM ANDERSON
 DONALD EDWIN ARMSTRONG
 GEOFFREY ARN
 ERNEST FREDERICK BAIRDAIN
 JOSEPH HOWARD BARNETT, with Honors
 JEROME SIDNEY BECKER
 JAMES BELLS
 THOMAS REID BRADLEY
 EDWARD FRANCIS BRAMLET
 LEE AUGUST BROICH
 WINSTON EDWARD BRYMER, JR.
 JACKIE DEAN BURNS
 PETE CAVIC, JR.
 JOHN EDWARD CECIL
 SIDNEY JOSEPH CHITTLER
 ROBERT JULIAN COMEIN
 WILLIAM RALPH CONNER
 JAMES ROBERT CORBITT
 JOHN LEWIS COSTA
 RICHARD FARR DAYKIN
 LOUIS S. DRISH
 ROBERT JEROME DRUCKER
 JOHN MICHAEL DUFFY
 STEVE WARREN DUNCAN
 ROBERT GALE DWYER
 WILLIAM HENRY FEHRS, JR.
 EDMUND JOSEPH FORDYCE
 WILLIAM MATTHEW GALLEN, JR.
 ELDON HARRY GILJAMES
 THOMAS ALBERT GRAMAN
 DEAN INGERSOLL HARRISON
 KERMIT WILLIAM HARTMAN
 GORDON HAROLD HARTSHORNE
 JAMES WILLARD HENDRICKS
 EDWARD ANTHONY HLINKA
 ALBERT JAMES HOSS
 JOHN OSCAR JENSEN
 STANLEY ARTHUR KACHEL

THOMAS HOWARD KRIGBAUM
 HENRY WALTER LAGOWSKI
 RALPH LAMB
 EARL FRANCIS LAPANSE
 JOHN WILLIAM LARSON, JR.
 EDWARD ELLSWORTH LUNDQUIST
 CARL EUGENE MAKEMSON
 JOHN ROBERT MCCARTHY
 JOHN LANTZ MCGLONE
 CHARLES THOMAS MCKEE
 HENRY WILLIAM MCNEAL
 ROBERT GENE MEYER
 JOHN JAMES MORGAN, JR.
 GLENN ROBERT NELSON
 JOHN PAUL NOBLE
 JACK RAYMOND OLSEN
 DONALD LOUIS PARISE
 ROBERT CORY PARKER
 KATHRYN SCOTT RANDOLPH
 LAUREN EUBANK RASH
 JOHN PEMBERTON RAUSCH
 ROGER WILLIAM REESE
 WILLIAM JOHN REILLY
 EVERETT ALVIN REMUS
 JOHN EDWARD RILEY
 KENT ELMER ROSE
 ARTHUR ROSEN
 FRANKLIN WALDO ROTH, JR.
 CHARLES DEAN RUMLEY
 HAROLD OVID SCHAEFER
 GERALD JOSEPH SCHUENEMAN
 WILLIAM R. SCHWARZ
 ANDREW ALOYSIUS SESTAK
 ALBIN JOSEPH SLAKIS
 ALFRED ALONZO SMITH
 GERALD DONALD SMITH
 MAX SMITH
 HENRY JAMES SPANGLER
 HARRY ALFRED SPEARS

JAY ELMER STALEY
JAY LAWRENCE STONE
ROBERT ANDREW SURRETT
ROBERT PAUL TROSS
CHARLES JOSEPH TURNER
JAMES FRANCIS URBANSKI
MORRIS WALECK, with Honors

HAROLD DALE WALLACE
JAMES H. WARD, JR.
EARLE EUGENE WARNER, JR.
LOREN EDWARD WATSON
HERSCHEL RAY WORTHEY, Jr., with
Honors
JOSEPH WILLIAM ZIMMERMANN

The Board adjourned.

A. J. JANATA
Secretary

KENNEY E. WILLIAMSON
President