

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

June 25, 1949

**With Actions of the Executive Committee
of June 9, 16, and 21, 1949**



The June meeting of the Board of Trustees of the University of Illinois was held on Saturday, June 25, 1949, at the LaSalle Hotel in Chicago according to the following schedule:

9:00 a.m. — Executive session, Committee of the Whole.

11:00 a.m. — Open session.

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

President Stoddard was present; also, Mr. Irvin L. Porter, Treasurer, Vice-President A. C. Ivy, Comptroller Lloyd Morey, A. J. Janata, Assistant to the President, and, during part of the meeting, Messrs. Newton C. Farr, Real Estate Consultant to the Board on acquisition of Chicago properties, W. E. Britton, Legal Counsel, and C. Lincoln Wiliston, Manager of Public Information for the Chicago Divisions.

SECRETARY, PRO TEMPORE

In the absence of Secretary H. E. Cunningham due to illness, Mr. A. J. Janata was appointed Secretary, *pro tempore*.

MINUTES APPROVED

The Secretary, *pro tempore*, presented the minutes of the meeting of April 21, 1949, with minutes of the Executive Committee of March 15, 29, and April 9.

On motion of Mr. Livingston, the minutes were approved as printed on pages 309 to 356 inclusive.

REPORTS OF THE EXECUTIVE COMMITTEE

The Secretary, *pro tempore*, presented for record the following report of actions of the Executive Committee, on the dates indicated, since the May 21 meeting of the Board.

Purchases

Authorized emergency purchases on items listed in the President's Agenda. Each recommendation was based on several competitive quotations. (June 9, 1949).

Remodeling to Eliminate Fire Hazards

Authorized the execution of a contract with Graham, Anderson, Probst, and White for architectural services in connection with remodeling work in University buildings to eliminate fire hazards; this firm to be paid the actual cost of labor and materials, plus 100 per cent of these costs as commission and overhead, plus travel expenses. (June 16, 1949).

Leave of Absence for Dean Ridenour

Granted leave of absence of one month to Dean L. N. Ridenour, to enable him to act as chairman of a working committee to advise the Scientific Advisory Board of the Air Force on Air Force installations and policies concerned with research and development, and to recommend plans and policies which will lead to the utmost economy and effectiveness in Air Force research and development. This is at the request of General Hoyt S. Vandenberg, Chief of Staff. Lieutenant General James H. Doolittle will serve as a member of this committee. (June 17, 1949).

Addition to Contract for Electrical Work for Mechanical Engineering Building

Approved an addition to the contract with the Square Deal Electric Company for electrical work in the construction of the Mechanical Engineering Building in the amount of \$4,280.20, to provide for thirty-nine additional power connections for machine tools secured by the University from the War Assets Administration. (June 21, 1949).

MATTERS PRESENTED BY PRESIDENT STODDARD

The Board considered the following matters presented by the President of the University.

STUDENT AND STAFF HOUSING AND LAND ACQUISITION FOR CHICAGO PROFESSIONAL COLLEGES

(1) At the request of the President of the University, Mr. Newton C. Farr, who has been serving as Consultant on Land Acquisition and Housing Projects for the Chicago Professional Colleges, submitted the following report and recommendations:

Commitment has been received by Mr. Walter A. Wade, representing the Medical Center Commission, from the Equitable Life Assurance Society for the financing of the student residence building and the staff apartments on the Chicago campus. Three recommendations have been made for an independent real estate

appraiser to review the operating figures on these projects. It is recommended that the appraiser selected by Equitable be employed at once to make his report.

On motion of Mr. Livingston, employment of an independent real estate appraiser was authorized, the cost to be charged against the appropriation of \$50,000 made on July 21, 1948, for the purchase of land from the Medical Center Commission.

In view of the fact that Equitable has agreed to go ahead with the financial program, it is recommended that the architectural firm of Skidmore, Owings, and Merrill be authorized to complete plans and specifications for the staff apartment building at the earliest possible date in order that bids may be taken for this project during the summer.

No action was taken. The Board had previously (Minutes, October 21, 1948, page 145) authorized the employment of this firm but specified that no contract be entered into for architectural services until funds for this project have been assured.

Mr. Harry Pearce has recommended that the property at 1712-14-16 West Taylor Street be purchased for use to house the Chicago Campus Paint Shop which is now located in the basement of the Research and Educational Hospitals. Funds for this purchase are available in the 1947-1949 Land Appropriation Account. It is estimated that these properties can be acquired for a total cost of \$20,500. It is recommended that funds be designated for the purchase of these properties.

On motion of Mr. McLaughlin, purchase of this property was authorized and assignment of \$20,500, or so much thereof as may be necessary, was made from the State appropriation for "Land acquisitions for extension of campus in Chicago," by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Mr. Nickell, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hickman, Dr. Meyer, Mr. Stevenson.

The area selected as a site for the proposed steam plant is located south of Taylor Street between Hermitage Avenue and Paulina Street and running approximately 350 feet south of Taylor Street. The cost of assembling this land has been estimated at approximately \$150,000. The University already owns the southeast corner of Hermitage Avenue and Taylor Street, approximately 125 feet square. The Medical Center Commission has already acquired certain parcels in this area. It is recommended that this area be approved for acquisition and that the balance of funds now available for land purchase be made available to this account at this time.

On motion of Mr. Livingston, purchase of this property was authorized and the balance of the unassigned funds in the State appropriation for "Land acquisitions for extension of campus in Chicago," or so much thereof as may be necessary, was appropriated for this purpose by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Mr. Nickell, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hickman, Dr. Meyer, Mr. Stevenson.

Certain areas for buildings to be built on the west side campus will not be available without the assistance of the Medical Center Commission in providing funds to purchase the land. It is recommended that Dr. Ivy be authorized to negotiate with the Medical Center Commission for them to acquire, with their own funds, land to be made available for the University of Illinois.

No action required.

This concluded the presentation of Mr. Farr's recommendations.

A progress report by Comptroller Lloyd Morey on negotiations with the Equitable Life Assurance Society of the United States for the

financing of student and staff housing projects was also presented. Copies of this report had previously been sent to all members of the Board of Trustees and a copy is in the files of the Secretary of the Board as a matter of record. Mr. Fornof called attention to one of the terms in the financing plan proposed by Equitable, namely, the requirement of "A commitment fee of $\frac{1}{2}$ of 1% per annum from the time the loan is approved and accepted until bonds are taken, not later than December 31, 1950." Mr. Porter, Treasurer of the Board, also commented on this requirement. Following discussion, on motion of Mr. Fornof, the Board voted that this commitment fee requirement be reviewed with representatives of Equitable to determine if it can be reduced.

APPROPRIATION FOR LEGAL SERVICES

(2) The Legal Counsel submits the following bills received for legal and other services:

Chapman and Cutler, 111 West Monroe Street, Chicago:

For services rendered to June 1, 1949, in a litigation involving the tax exemption of University properties in De Kalb, Piatt, and Champaign Counties.....\$1 527 97

Charles A. Boos, Law Reporter and Notary Public, 127 North Dearborn Street, Chicago:

- (a) For services rendered in the case of the People *ex rel* Kenny versus the Board of Trustees, January 24, 25, and 31, February 1, 2, 3, and 7.....\$542 60
- (b) For reporting services at hearings on March 24, 25, and 31, conducted by a subcommittee appointed by the Executive Committee of the House of Representatives, Sixty-sixth General Assembly, to consider and advise upon House Joint Resolution 22, which provided for the appointment of a committee consisting of three members of the Senate and three members of the House of Representatives to investigate the administration of the Research and Educational Hospitals and to recommend suitable legislative action if necessary..... 681 61 I 224 21

A special appropriation is necessary to cover payments for these services.

On motion of Mr. McLaughlin, these payments were authorized and an appropriation of \$2,752.18 was made as recommended, by the following vote: Aye, Mr. Fornof, Mr. Herrick, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Mr. Nickell, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hickman, Dr. Meyer, Mr. Stevenson.

CONTRACT FOR STUDENT HOUSING SURVEY

(3) In order to develop a long-range program for student housing, the Director of the Physical Plant Department and the Comptroller recommend that Skidmore, Owings, and Merrill, architects, Chicago, be employed to:

1. Make a survey of housing facilities for unmarried students in other institutions, at a cost of \$5,600, plus traveling expenses.
2. Develop standards of construction for future residence halls at the University of Illinois, with particular reference to capital and maintenance costs.

Skidmore, Owings, and Merrill are experts on institutional housing plans. The Dean of Students, the Coordinator of the Small Homes Council, and the Chairman of the University Building Program Committee concur in this recommendation.

Funds are available in the Physical Plant Department budget for the cost of this survey. Student housing is one of the University's serious building problems. It is important that we secure information on the best methods of dealing

with this problem based on the experience of others and the advice of competent authorities so that a sound program of development can be formulated.

I concur in these recommendations.

On motion of Mr. Livingston, the President of the University was requested to secure further information regarding this survey and to present it, with his recommendation, to the Executive Committee.

**OBJECTIONS TO DETERMINATION OF PREVAILING RATES OF WAGES
MADE BY THE UNIVERSITY OF ILLINOIS IN AWARDED
CONTRACTS AT ROBERT ALLERTON PARK**

(4) In accordance with the Prevailing Wage Act, the University published its determination with respect to wages in the locality of Monticello and Piatt County as to certain crafts and workmen.

Objections to such determination have been filed by the President of the Twin City Federation of Labor of Champaign. The Act provides that in such case the public body (in this case the Board of Trustees of the University of Illinois) shall set a date for and conduct a hearing on the objections. At least ten days' notice of the time and place must be given to objectors.

The Board of Trustees, itself, may conduct the hearing or it may designate some of its members or other persons to do so and to report their findings and recommendations to the Board for its consideration and action. In Civil Service hearings, the Board has appointed three persons who were not Board members to take testimony and to report back to the Board. There are several ways of setting up a hearing commission: (1) by the Board itself; (2) the Board may direct one of its standing committees or appoint a special committee to conduct the hearing; (3) by a faculty group appointed by the Board; (4) by a group of citizens with no official connection with the University appointed by the Board; and (5) the unions and the University may each select a representative and let those two select a third. If an outside group is appointed, the question of fees and traveling expenses must be considered. In any case some officer of the University must have authority and instructions to set up the machinery for this hearing and following through on such details as arrangements for a place for the hearing, sending notices, employment of a court reporter, and other services. The Secretary of the Board will be an appropriate officer for this purpose since he is an officer of the Board. (Neither the Legal Counsel, who will be defending the University, nor the Director of Nonacademic Personnel, who will be a witness, could properly do this.)

A special appropriation to cover the expenses of the hearing will also be necessary.

On motion of Mr. Hickman, the Board voted that (a) the hearing be conducted by a commission of the faculty to be appointed by the Board on nomination by the President of the University; and (b) the Secretary of the Board be directed to serve as executive secretary of the commission with authority to make all appropriate arrangements necessary for conducting the hearing.

On this motion Mr. Nickell voted "no," and Mr. Livingston asked to be recorded as not voting.

ADDITION TO STUDENT AND STAFF APARTMENTS

(5) The appropriations made by the Sixty-fifth General Assembly of Illinois for University buildings to be constructed during the biennium of 1947-1949 include \$400,000 for "Construction of student and staff apartments." With this fund as a partial equity, supplemented by a loan, the University is constructing permanent student and staff apartments to provide quarters for married students and members of the faculty. The complete project will consist of two six-story buildings and two three-story buildings containing altogether 213 apartments. At present, one-half of the project (one six-story building and one three-story building) is under construction and nearing completion, this being the maximum construction possible with the funds so far available.

Unassigned funds are still available in building appropriations to the University for the biennium 1947-1949 which, combined with the appropriation of \$200,000 requested for student and staff housing for the 1949-1951 biennium, would enable the University to proceed with another step in this project, the construction of the second six-story building, which would include ninety-five apartments.

There has previously been released \$48,405 from the contingency item in the building appropriations to the University, to supplement funds for the construction of student residence halls. This will not be needed for that project. There is also available an unexpended \$60,000 in funds previously released from items for student and staff apartments, and for preparation of plans and specifications for future building projects; and there is an unreleased balance of \$29,595 in the item for contingencies.

The Governor has been requested to: (1) rescind in part a previous release of funds authorized by him, so that \$48,405 assigned from the contingency item to supplement funds for the construction of student residence halls will be returned to the contingency appropriation; and (2) release a total of \$78,000 from the contingency appropriation to be applied on the construction of student and staff apartments. The sum of these items (\$60,000, \$29,595, and \$48,405) will provide \$138,000 of funds currently available for student and staff housing construction.

If this money can be combined with the \$200,000 requested for the biennium of 1949-1951, there will be available a total of \$338,000, which would enable the University to proceed with the construction of the second six-story apartment building. The total cost of this is estimated at \$1,152,000 (see Schedule A, page 476), of which \$814,000 can be borrowed and amortized from rental income. A preliminary survey indicates an estimated net income of \$54,904 (see Schedule B, page 477).

The Director of the Physical Plant Department and the Comptroller recommend the Board authorize the construction of the second six-story building subject to the release of funds in 1947-1949 building appropriations by the Governor, and subject to the receipt of construction and financing bids within the estimates.

I concur and recommend that:

1. The Finance Committee of the Board be authorized to act for the Board on bids for the financing of the second six-story unit.

2. The Executive Committee of the Board be authorized to award construction contracts if satisfactory bids are received.

Funds appropriated for the biennium 1947-1949 are available until September 30, 1949, but must be encumbered prior to June 30. Committee action is therefore recommended in view of this time element.

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

BIDS ON STUDENT AND STAFF APARTMENTS

(6) Bids on the second six-story building of the Student and Staff Apartments now under construction at Green Street and Goodwin Avenue, Urbana, indicate that the total capital cost will be \$1,038,000, or \$114,000 less than the architects estimated. Hence it will be necessary to borrow only \$700,000 instead of \$814,000. The estimated net annual income from rents will be adequate to amortize this amount.

The Director of the Physical Plant Department and the Comptroller recommend award of contracts to the lowest bidders as follows, subject to the release of funds in current building appropriations by the Governor and to final approval of an appropriation of \$200,000 for housing in the building appropriations requested for the 1949-1951 biennium:

Kuhne-Simmons Company, Inc., Champaign, general work	\$564 500
Bellis & Miller, Inc., Champaign, ventilating work.....	7 840
Bellis & Miller, Inc., Champaign, heating work.....	68 907
E. M. Hays, Champaign, plumbing work.....	114 999
Square Deal Electric Company, LaPorte, Indiana, electrical work.....	43 317
Otis Elevator Company, Chicago, installation of elevator	19 470

I concur.

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

DEGREE OF DOCTOR OF PHILOSOPHY IN COMMUNICATIONS

(7) The Executive Faculty of the Graduate College and the University Senate recommend the establishment of a program of study of mass communications leading to the degree of Doctor of Philosophy.

I concur.

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

FIVE-YEAR CURRICULUM IN ARCHITECTURE

(8) The faculty of the College of Fine and Applied Arts and the University Senate recommend the establishment of a five-year curriculum in architecture leading to the degree of Bachelor of Architecture with two options: (1) general option for architects and (2) engineering option for architectural engineers. This is a revision and expansion of the present four-year undergraduate curriculum in architecture to five years. It is proposed to inaugurate this curriculum for students entering as freshmen in September, 1949 (see Appendix, page 477).

I concur in these recommendations.

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

AWARD OF CERTIFICATES OF CERTIFIED PUBLIC ACCOUNTANT

(9) The Committee on Accountancy recommends the following persons for the Illinois C.P.A. certificate under Section 5 of the Accountancy Act of 1943. They have submitted satisfactory evidence that they were holders of valid unrevoked C.P.A. certificates issued by other states on the basis of written examinations. They have satisfied all other requirements of the law.

ORVIN HENRY ANDERSON (Mich.)	FRANK MICHAEL MALONEY (Ohio)
LEONARD ANGELO BARZAN (D.C.)	WRIGHT MOORE PARGELLIS (Calif.)
JOSEPH W. BOWER (N.J.)	JOHN RASQUI, JR. (Ohio)
ROBERT HAROLD CLARK (Ind.)	EARL VINCENT REUSCHLEIN (Wis.)
HESTER ELLEN ERB (Calif.)	JOSEPH GEORGE TRAGESSER (Mo.)
CHARLES E. FERNALD (Pa.)	MARTIN WILLIAM TRANEN (N.Y.)

I concur.

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

SABBATICAL LEAVE OF ABSENCE FOR PROFESSOR NEIL E. STEVENS*

(10) Professor Neil E. Stevens of the Department of Horticulture has been granted sabbatical leave of absence for six months beginning March 1, 1950, on one-half pay. He has requested that this be changed to sabbatical leave for one year on one-half pay, beginning September 1, 1949.

I recommend approval.

On motion of Mrs. Holt, this leave of absence was authorized.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(11) The Committee on Special Appropriations and Nonrecurring Expenditures recommends assignments from the General Reserve Fund for the following purposes:

1. Converting and remodeling Allerton property
(additional).....\$21 000
2. Equipment for Department of Bacteriology..... 20 000
3. Remodeling in Noyes Laboratory..... 17 700
4. Remodeling in Horticulture Field Laboratory..... 6 356
5. Housing of stock animals for Physiology Department.. 5 000
6. Remodeling in Smith Music Hall..... 5 390

\$75 446

* Professor Stevens died on June 26, 1949.

These proposed improvements have been carefully studied by the Committee on Special Appropriations and Nonrecurring Expenditures. Its reports giving details of the reasons for these improvements are submitted herewith.

I concur and recommend that these appropriations be made from the 1948-1949 General Reserve Fund to the extent that funds are available therein and the remainder from the General Reserve Fund from 1949-1950, and that all of these appropriations be made available until June 30, 1950.

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

CHANGES IN CIVIL SERVICE CLASS SPECIFICATIONS AND SALARY RANGES

(12) The Director of Nonacademic Personnel recommends the following changes in University Civil Service positions, to become effective July 1, 1949: (1) deletions from class specifications; (2) additions to class specifications; (3) changes in existing class specifications; and (4) changes in salary ranges of existing class specifications.

These changes are shown in detail in the accompanying schedules and they have previously been submitted to the Committee on Civil Service and Employees for study in advance of the Board Meeting. A copy is filed in the office of the Secretary of the Board.

I concur in the Director's recommendations.

On motion of Mr. Herrick, these changes in class specifications and salary ranges were approved.

APPOINTMENTS TO THE FACULTY MADE BY THE PRESIDENT OF THE UNIVERSITY

(13) The Secretary has reported that the President has approved the following new appointments to the faculty of the rank of Assistant Professor and above since the previous meeting of the Board of Trustees:

1. WAYNE MELVILLE BEVER, Associate Professor of Crop Pathology, on one-fifth time, beginning July 1, 1949, at an annual salary of \$1,005.

2. GORDON W. BINKERD, Assistant Professor of Music, beginning September 1, 1949, at an annual salary of \$4,300.

3. ROBERT CAMPBELL, Assistant Professor of Economics, beginning September 1, 1949, at an annual salary of \$4,500.

4. HERMAN CHERNOFF, Assistant Professor of Mathematics, beginning September 1, 1949, at an annual salary of \$4,500.

5. THOMAS L. GRISAMORE, Assistant Professor of Hygiene and Medical Adviser for Men, in the Undergraduate Division in Chicago, on one-half time, beginning July 1, 1949, at an annual salary of \$3,500.

6. LEONID HURWICZ, Research Professor of Economics and Mathematical Statistics, beginning September 1, 1949, at an annual salary of \$7,850.

7. WILLIBALD KARL JENTSCHKE, Assistant Professor of Electrical Engineering, beginning March 16, 1949, without salary.

8. MARTHA SUE LEWANDOSKI, Assistant Professor of Hygiene and Medical Adviser for Women, beginning June 1, 1949, at an annual salary of \$5,000.

9. JAMES HARRY POTTER, Professor of Mechanical Engineering, beginning July 1, 1949, at an annual salary of \$6,200.

10. SOL SPIEGELMAN, Research Professor of Bacteriology, beginning July 1, 1949, at an annual salary of \$7,500.

11. PETER NICHOLAS VUKASIN, Assistant Professor of Economics, beginning September 1, 1949, at an annual salary of \$4,500.

12. ERWIN KURT EDWARD WEISE, Assistant Professor of Electrical Engineering, beginning March 16, 1949, without salary.

13. PAUL YOUNG, Professor of Music, beginning September 1, 1949, at an annual salary of \$7,000.

On motion of Mr. McLaughlin, the action of the President in making these appointments was confirmed.

CONTRACT FOR PIPING IN ABBOTT POWER PLANT

(14) The Director of the Physical Plant Department and the Comptroller recommend the award of a contract for \$16,582.53 to the Dobe Piping Company, Edwardsville, the lowest bidder, for the installation of piping for the feed water treatment equipment in the Abbott Power Plant. Contracts have previously been authorized by the Board of Trustees for the additional feed water treatment equipment and for the purchase of structural steel. This equipment is needed to increase the generator capacity of one turbo-generator by increasing the feed water capacity. Funds are available.

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 authorized.

CONTRACT FOR GENERAL WORK IN ABBOTT POWER PLANT

(15) Bids have been requested twice for the general construction work required for the installation of feed water equipment for the Abbott Power Plant at Urbana-Champaign. This project has already been authorized by the Board and some of the equipment contracts have been awarded.

Only one bid, for \$31,250, was received on the general work on the first attempt. The bid was rejected because it was in excess of the engineering estimates of the cost of the job. As a result of the second invitation, the following bids were received:

Kuhne-Simmons Company, Inc., Champaign.....	\$27 500
John Felmley Company, Bloomington.....	30 950

These bids are still in excess of engineering estimates. As a result of negotiations with the lower bidder, he has offered to do the construction work, with certain minor revisions acceptable to the University, at a cost of \$18,080.

Funds are available for this project in the appropriation for "Enlargement of Power Plant" for the biennium of 1947-1949. The funds will lapse unless encumbered by June 30 and expended by September 30, 1949.

The Director of the Physical Plant Department and the Comptroller recommend that all bids be rejected again and that a contract for \$18,089 be awarded to Kuhne-Simmons Company.

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

On motion of Mr. Nickell, this contract was authorized.

ADDITION TO CONTRACT FOR FIRE PROTECTION FACILITIES AT URBANA

(16) The University has a contract with the Kil-Bar Electric Company, Chicago, for the installation of a new fire alarm system on the Urbana-Champaign campus at a contract price of \$28,565. The contract also provides that the Company shall test existing fire-alarm cable on the campus and that if replacements are necessary they will be made at an additional cost of 36 cents a lineal foot.

Tests indicate that approximately 12,000 lineal feet of cable should be replaced. The Director of the Physical Plant Department and the Comptroller recommend an addition to the contract with the Kil-Bar Electric Company for the replacement of cable at a cost of not to exceed \$4,320, final payment to be determined by the actual measurement of new cable installed.

Funds are available in the State appropriation for "Construction of fire protection facilities" for the biennium of 1947-1949. I concur and recommend that the Comptroller be authorized to execute this contract change.

On motion of Mrs. Holt, this change was authorized.

CONTRACTS FOR PHYSICAL PLANT SERVICE BUILDING ANNEX

(17) The Director of the Physical Plant Department and the Comptroller recommend award of contracts to the following lowest bidders for the construction of a temporary one-story building, approximately 24 feet by 80 feet, as a Physical Plant Service Building Annex:

E. N. DeAtley, Champaign, general work.....	\$16 000
Square Deal Electric Company, LaPorte, Indiana, electrical work.....	2 321
E. M. Hays Plumbing & Heating Company, Champaign, heating	2 759
E. M. Hays Plumbing & Heating Company, Champaign, plumbing.....	<u>2 924</u>
	\$24 004

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

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

On motion of Mr. Fornof, these contracts were authorized.

CONTRACT FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM TO STUDENT AND STAFF APARTMENTS AT URBANA

(18) The Director of the Physical Plant Department and the Comptroller recommend the award of contracts for the extension of the electrical distribution system to the Student and Staff Apartments at Green Street and Goodwin Avenue to:

John Felmley Company, Bloomington, general work.....	\$ 4 500
A. S. Schulman Electric Company, Chicago, electrical work	<u>5 883</u>
	\$10 383

These are the lowest bids in each case.

Funds are available in the State appropriation for "Extension of the Utilities Distribution System."

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

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

CONTRACT FOR RECORD PROGRAM SERVICE

(19) The Director of Radio Station WILL and the Comptroller recommend the award of a contract to the Muzak Corporation, New York City, for a recorded program service consisting of transcriptions aggregating four thousand or more recorded titles for a two-year period from July 1, 1949. The contract also provides for additional recorded program service each month consisting of a set of transcriptions aggregating at least two hours of continuous playing time. The cost of this service is \$2,910, payable in twenty-four monthly installments, of which the first six shall be \$110 each and the remaining eighteen \$125 each.

I concur.

On motion of Mrs. Holt, this contract was authorized.

CONTRACT FOR ARCHITECTURAL SERVICES AT CHICAGO PROFESSIONAL COLLEGES

(20) The Vice-President in charge of the Chicago Professional Colleges, the Director of the Physical Plant, and the Comptroller recommend the employment of Pace Associates for architectural services in connection with the design and construction of the proposed new classroom and laboratory building at the Chicago Professional Colleges. Pace Associates propose to provide complete architectural, engineering, and supervisory service for a fee of 5½ per cent of the cost of the work designed by them or purchased under their direction. This firm was previously engaged for preliminary studies on this project and any payments received for this preliminary work will be credited against the fee under the contract now proposed.

It is recommended that authority be granted to execute a contract with Pace Associates for this project subject to the availability of funds in the 1949-1951 appropriations.

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

On motion of Mr. Livingston, this contract was authorized.

REPLACEMENT OF TENNIS COURTS IN CHICAGO

(21) The Director of the Physical Plant Department and the Comptroller recommend the awarding of a contract for \$11,095 to Frank H. Stowell, Chicago, the lowest bidder, for the construction of tennis courts at the corner of Polk and Wood Streets in Chicago. This construction is necessary to replace tennis courts which were torn up for the installation of underground steam and electrical lines.

Funds are available.

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

On motion of Mr. Nickell, this contract was authorized.

CONTRACT FOR INSTALLATION OF DENTAL UNITS

(22) The Director of the Physical Plant Department and the Comptroller recommend the awarding of a contract for \$4,083 to Fettes, Love, and Sieben, Chicago, the lowest bidder, for the installation of thirteen dental units in the Medical and Dental College Laboratories Building in Chicago. The purchase of these units was previously authorized by the Board and funds were appropriated for this purpose, including installation costs.

Funds are available.

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

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

CONTRACT FOR A NEW 500 KVA UNIT SUBSTATION IN CHICAGO

(23) The Director of the Physical Plant Department and the Comptroller recommend the award of a contract for \$10,975 to the White City Electric Company, Chicago, the lowest bidder, for the electrical work for a new 500 kva unit substation in the Chicago Illini Union Building on the Chicago Professional Colleges Campus.

Funds are available.

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

On motion of Mr. Hickman, this contract was authorized.

ADDITION TO CONTRACT FOR HOUSING AREA SANITARY SEWER

(24) The Director of the Physical Plant Department and the Comptroller recommend an addition of \$2,340.65 to the contract with Mancini, Ventrella, and Sons for the construction of a sanitary sewer serving the University housing area and other University buildings on the west side of the campus. The increase is to provide for crushed rock for bedding sewer tile where poor soil bearing conditions were encountered and for the additional work required because of unrecorded utility lines.

The specifications for this construction job provide for additional allowances for unusual conditions encountered during construction. This allowance relieved the contractor of including in his bid a contingency factor. It has been the experience of consulting engineers that making such provisions for contracts in sewer jobs results in a lower over-all cost than would be the case if contractors had to anticipate such contingencies in the base bid.

Funds are available in the State appropriation for "Construction of temporary student housing."

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

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

INCREASE IN EQUIPMENT CONTRACT FOR EAST CHEMISTRY BUILDING

(25) The Building Committee of the Department of Chemistry, the Director of the Physical Plant Department, and the Comptroller recommend an increase of \$2,815.20 in the contract with the Kewaunee Manufacturing Company for the laboratory equipment in the East Chemistry Building on the Urbana Campus.

In the original planning of the equipment for the new building, it was decided that part of the furniture should be of wood construction. The Building Committee of the Department of Chemistry has reconsidered this problem and has come to the conclusion that metal furniture is much more desirable. All of their studies indicate that metal furniture will last longer, and in the long run be more economical than wooden furniture.

The recommended increase of \$2,815.20 will provide for the additional cost of all steel equipment.

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

On motion of Mr. Livingston, this change was authorized.

ADDITIONS TO HEATING AND VENTILATING CONTRACT FOR EAST CHEMISTRY BUILDING

(26) The Director of the Physical Plant Department and the Comptroller recommend two increases in the contract with the Carson-Payson Company, Danville, for the construction of the East Chemistry Building:

Installation of additional hydrogen sulphide lines in six different rooms.....	\$1 262 80
Construction of a separate vent independent of the rest of the ventilating system for a hood in Room 405 to make possible the use of this room for radio carbon work without creating a hazard in other areas in the building.....	2 377 72

Funds are available in the State appropriation for 1947-1949 for "Construction of a New Chemistry Building."

I concur and recommend that the Comptroller be authorized to execute these changes in the contract.

On motion of Mr. Nickell, these changes were authorized.

ADDITION TO ELECTRICAL CONTRACT FOR EAST CHEMISTRY BUILDING

(27) After bids were received for the construction of the East Chemistry Building, changes had to be made in all contracts so that the total construction cost would be within the available funds. One of the reductions was changing the majority of the interior lighting fixtures from fluorescent to incandescent. The building plans had specified interior fluorescent lighting throughout.

The estimated cost of interior fluorescent lighting fixtures for the entire building was \$55,000. The actual cost of interior lighting fixtures (mostly incandescent; a small amount of fluorescent lighting has been used where such installations are justified for special reasons), including light bulbs, is \$10,447.16. The lighting fixtures are not a part of the electrical contract but were purchased separately by authority of the Board of Trustees on the basis of competitive quotations.

Incandescent fixtures require more wiring, i.e., a larger gauge of copper wire, than fluorescent, and other incidental changes require additions to the contract for electrical work. The Board has previously authorized an increase of \$6,936.80 in the contract for the electrical work for switchboard changes due to the change from fluorescent to incandescent light fixtures, and an additional increase of \$120 was authorized by the Comptroller for changing the size of the cable.

The Director of the Physical Plant Department and the Comptroller now

recommend an additional increase of \$14,556.35 (for new design for switchboards, bus ducts, and transformer, \$5,584.54; for increase in wiring throughout the building, \$8,971.81) in the contract with the Leverenz Electric Company, Danville. These increases aggregate (\$6,936.80, \$120.00, \$14,556.35) \$21,613.15, to which must be added the cost of incandescent fixtures, \$10,447.16, making a total of \$32,060.31, as compared with an estimated cost of \$55,000 for fluorescent fixtures. The net capital saving is \$22,939.69.

While current consumption of incandescent lighting is from two to two and one-half times that of fluorescent lighting, Professor J. O. Kraehenbuehl of the Department of Electrical Engineering, an expert on illumination, has advised that with the low cost to the University of producing electric power, from fifteen to twenty years of operation would be necessary before the saving in current would offset the higher capital cost of fluorescent lighting, and by that time the fixtures will probably be obsolete. Professor Kraehenbuehl states that maintenance of fluorescent lighting fixtures costs from two to three times the maintenance of incandescent lighting.

I concur and recommend that the Comptroller be authorized to execute these changes in the contract.

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

ADDITION TO ELECTRICAL CONTRACT FOR MECHANICAL ENGINEERING BUILDING

(28) The Director of the Physical Plant Department and the Comptroller recommend an increase of \$4,280.20 in the contract with the Square Deal Electric Company for the electrical work in connection with the Mechanical Engineering Building.

It has been possible to secure additional machine tools from the War Assets Administration as surplus government equipment at a very low cost to the University. Some of the machines were obtained for the cost of transportation and some of them at 5 per cent of the government appraised value. This additional equipment, however, required a revision of the arrangement of shop equipment and thirty-nine additional power connections. The architects checked the costs involved and find them very reasonable for the work to be done.

Funds are available for this addition.

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

On motion of Mrs. Holt, this change was authorized.

ADDITION TO CONTRACT FOR BUILDING ALTERATIONS FOR DEPARTMENT OF PHYSICAL MEDICINE

(29) The Director of the Physical Plant Department and the Comptroller recommend an addition of \$1,426 in the contract with E. H. Marhoefer, Jr., Company of Chicago for the intercommunication system in the Department of Physical Medicine, Chicago. The details for this work were not completely worked out when the original contract was awarded and the contract was let without it to avoid delay in starting the remodeling.

Funds are available for this addition.

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

On motion of Mr. Nickell, this change was authorized.

APPROPRIATIONS BY THE ATHLETIC ASSOCIATION

(30) The following appropriations by the Board of Directors of the Athletic Association are submitted to the Board of Trustees for their approval:

1. An appropriation of \$2,000 for necessary paving of walks, drive, and apron to the barn at the golf course.

2. Supplementary appropriation of \$13,000 for the completion of the well and other miscellaneous work necessary to complete the project at the golf course.

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

INVESTMENTS

(31) The Finance Committee reports the following transactions involving securities:

*Purchase:***ENDOWMENT FUNDS**

\$10,000 B. F. Goodrich Company first mortgage 2¾% bonds
due 1965.....\$10 152 58

*Exchange:***STUDENT LOAN FUNDS**

\$37,000 U.S.A. Certificates of Indebtedness, 1⅛%, due June 1, 1949, for \$37,000
U.S.A. Certificates of Indebtedness, 1¼%, due June 1, 1950.

On motion of Mr. Livingston, the action of the Finance Committee was approved.

PURCHASES

(32) There are submitted reports of (A) emergency purchases authorized and of (B) purchases recommended (see Appendix, page 479).

On motion of Mrs. Watkins, the action of the President of the University in authorizing an emergency purchase was confirmed, and purchases were authorized as recommended.

COMPTROLLER'S REPORT OF CONTRACTS

(33) The Comptroller's report of contracts executed from May 11 to June 10, 1949 (see Appendix, page 483).

This report was received for record.

WAGE ADJUSTMENTS FOR CERTAIN NONACADEMIC GROUPS

(34) I. The President of the University has given approval and directions concerning certain modifications of the policy and procedures (see addendum below) relating to employees in salary-range, nonprevailing rate groups as follows effective July 1, 1949:

A. All employees now receiving \$150 a month or less in total compensation and who on July 1, 1949, will have completed their six months' probationary period shall receive a minimum annual increase of \$150 for the biennium of 1949-1951.

B. Agricultural employees at the Assistant level (Group II) now receiving various individual salaries within a \$175-250 range shall receive \$250 a month, and adjustments are to be made in ranges and rates of all agricultural employees to bring them into harmony with this basic adjustment.

C. The 75 cents minimum hourly rate (\$130 monthly for the forty-hour week) approved in March shall be applied to the cash compensation of food service employees without deduction of the value of meals furnished, and adjustments shall be made in other ranges and wages of food service classifications to maintain harmony with this increase in the base rate.

II. These provisions call for further budget adjustments as follows:

A. Approximately 375 employees who now receive \$1,800 or less will receive increases totaling approximately \$21,000 in addition to those already provided in departmental budget recommendations.

B. Approximately one hundred employees will receive increases totaling approximately \$21,000 in addition to those anticipated in earlier computations. Ranges are being moved upward an average of \$25 in order to accommodate these salary increases.

C. All food service employees will receive an increase of at least \$120 a year with larger sums being provided at the lower end of the present pay brackets.

Approval of the 75 cents an hour minimum involves a revision of the first five ranges in the Civil Service classification system as follows:

Range I	now \$100-\$140	} Combined as one range \$130-\$165
Range II	now 120- 160	
Range III	now 125- 175.....	140- 175
Range IV	now 140- 200.....	150- 200
Range V	now 150- 225.....	160- 225

I request approval of these new wage scales subject to favorable action by the General Assembly and the Governor on the University's biennial operating budget of \$67,271,742 for the biennium of 1949-1951. The budget will carry the changes required within the allocations for nonacademic salaries. The additional funds needed for increasing the wages of food service employees are being provided from nonacademic wage reserves and will not be charged to food service operations. If the Board gives approval of these changes it will not be necessary for it to act separately on an itemized and detailed list of the classifications affected.

Nonacademic salaries are paid on the basis of the fiscal year from July 1 to June 30. Since the internal budget for 1949-1950 will not be presented to the Board of Trustees at this meeting, and to avoid the necessity of payroll adjustments for retroactive salary increases, authority is requested to pay the July nonacademic salaries in accordance with rates recommended by the Director of Nonacademic Personnel and approved by the President. Such rates will be included in the budget to be presented to the Board of Trustees later.

ADDENDUM

I. On March 15, 1949, the President of the University approved a statement of general policy for wage and salary increases for the fiscal year beginning July 1, 1949. The essential elements in this policy were:

A. For Prevailing Rate Groups, changes in wage rates as they occur in the community in which the work is performed.

B. For Salary Range Groups:

1. Requirements of the Policy and Rules and of the terms of certain collective bargaining agreements calling for minimum increases of \$120 a year to employees below range midpoint are to be given first priority.

2. Balance of available funds is to be assigned to colleges, departments, and divisions on an equitable basis related to total salary budgets, for application to individual salaries which shall take into account merit, internal equities, length of service, and rates paid for similar duties by outside employment.

a. No increases are to be given which will carry individual salaries above the top of approved ranges.

3. The University will recognize a minimum rate of 75 cents an hour for non-academic employment.

C. Of the 10 per cent of total salary and wage funds included in the biennial budget approximately three-quarters was to be made available for use in the first year of the biennium and one-quarter held in reserve for the second year.

II. Under this policy, budgets have been prepared and submitted which provide for the following:

A. Prevailing Rate Employees will receive in full and on time adjustments equal to those provided for similar work in their respective community.

B. Salary Range Employees:

1. All food service and agricultural employees except a few at the top of their range will receive increases on July 1 in accordance with the provisions of University-Union agreements.

2. At least 90 per cent of all laboratory, stores, and airport employees will receive sizable increases under contract provisions and departmental recommendations.

3. A similar proportion of clerical, supervisory, and other non-unionized employees will receive comparable increases.

4. About the only ones for whom no increases are being proposed are (a) those already at the top of their range; (b) very new employees still in their probationary period; (c) a few employees now being paid the top limit of their value on their particular jobs.

The plan as approved and implemented in accordance with the above details was intended to provide for adjustments based on merit and relationship to rates paid for similar work by the best type of employers elsewhere. It allowed for consideration of individuals and for the establishment of an over-all salary schedule in proper internal relationship and proportion. In so doing, while it did provide

certain rather low salary ranges and individual rates, these ranges and rates were based on similar ones at the community level.

On motion of Mr. Livingston, these wage adjustments were approved as recommended.

**APPOINTMENT OF WALTER H. ROETTGER AS
ASSISTANT DIRECTOR OF ATHLETICS**

(35) The Director of Athletics has recommended, and the Board of Directors of the Athletic Association has approved, the appointment of Walter H. Roettger as Assistant Director of Athletics effective July 1, 1949. He will continue as Associate Professor of Physical Education for Men, as Head Coach of Baseball, but will be relieved of his duties as Assistant Basketball Coach in view of his increased administrative responsibilities. This change in status involves no increase in his salary (\$7,670 a year, of which the University pays \$1,500 for teaching services). That portion of salary he has been receiving from the Athletic Association for basketball coaching will be charged against administration.

I recommend approval.

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

**APPOINTMENT OF DANIEL BORTH, JR., AS ASSOCIATE DEAN OF
THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**

(36) The Dean of the College of Commerce and Business Administration recommends the appointment of Daniel Borth, Jr., now Professor of Accountancy, as Professor of Accountancy on indefinite tenure and Associate Dean of the College for one year from September 1, 1949, at an annual salary of \$9,000.

I concur in this recommendation.

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

LEAVE OF ABSENCE FOR DIRECTOR R. B. DOWNS

(37) Director R. B. Downs of the Library and the Library School has been asked to advise the Library of Congress on the future development of its National Union Catalog. This is a field in which he has had much professional experience and he has asked for a leave of absence during July in order to accept the assignment.

I recommend that he be given the leave with full pay.

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

**ADVISORY COMMITTEES FOR THE COLLEGE OF COMMERCE
AND BUSINESS ADMINISTRATION**

(38) The Dean of the College of Commerce and Business Administration recommends the appointment of the following advisory committees for that College for a period of one year beginning July 1, 1949, or until their successors have been appointed:

Accountancy

OTTO GRESSENS, Chicago
H. C. HAWES, Chicago
HERBERT T. MCANLY, Chicago

Advertising

J. C. ASPLEY, Chicago
HOMER J. BUCKLEY, Chicago
G. D. CRAIN, JR., Chicago
HOWARD H. MONK, Rockford

Banking

HARRY A. BRINKMAN, Chicago
FRANK C. RATHJE, Chicago
CHARLES R. REARDON, Joliet
C. S. YOUNG, Chicago

Foreign Trade

F. L. MARSHALL, Chicago
HARRY SALINGER, Chicago
V. D. SEAMAN, Chicago
C. M. WYNNE, Chicago

Governmental Finance

NEWTON C. FARR, Chicago
GEORGE B. MCKIBBIN, Chicago
STERLING MORTON, Chicago
FRANK E. PACKARD, Chicago

Industrial Management

T. W. EDWARDS, Chicago
C. B. HOFFMAN, Chicago
ARTHUR S. MANN, Kankakee
H. M. RAILSBACK, Moline

Insurance

ROLLIN M. CLARK, Chicago
 WADE FETZER, JR., Chicago
 GEORGE H. MOLONEY, Chicago
 ROYCE G. ROWE, Chicago

Investments

RALPH CHAPMAN, Chicago
 A. R. GARDNER, Chicago
 HARRY GOODSITT, Springfield
 PAT G. MORRIS, Chicago

Marketing

E. B. MORAN, Chicago
 A. C. NIELSEN, Chicago
 ERNEST PAXTON, Danville
 JOSEPH C. SPIESS, Elgin

Personnel Relations

WILLIAM M. EDENS, Chicago
 HARVEY C. MARMADUKE, Chicago
 RALPH M. MONK, Peoria
 M. M. OLANDER, Toledo, Ohio

Public Utilities

JOHN B. BIGGS, Springfield
 KENNETH D. CARPENTER, Chicago
 N. B. ELLIOTT, Champaign
 A. E. PATTON, Chicago

Statistics

GUENTHER BAUMGART, Chicago
 WALTER E. HOADLEY, JR., Chicago
 HOWARD L. JONES, Chicago
 LESTER S. KELLOGG, Moline

Transportation

WAYNE A. JOHNSTON, Chicago
 WAYNE L. MCMILLEN, New York
 City
 CHESTER G. MOORE, Chicago

I concur and recommend further that these gentlemen be appointed or reappointed to the Citizens Committee of the University of Illinois.

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

AWARD OF CONTRACT BY THE ATHLETIC ASSOCIATION

(39) The Board of Directors of the Athletic Association has awarded a contract to Mr. W. L. Hall for the purchase and installation of a complete underground irrigation system for the gridiron in Memorial Stadium and has assigned the sum of \$15,000 from Stadium Maintenance Funds for the completion of the project. Bids were received for this work including the excavation, back-filling, sodding, purchase of pipe, sprinkler heads, tees, valves, and connections as follows:

Lynne Meyer.....	\$12 500 00
G. S. Chastain.....	12 850 00
J. L. Johnson & Sons.....	13 327 60
W. L. Hall.....	11 750 00

The Comptroller recommends that the action of the Board of Directors of the Athletic Association be approved.

I concur in this recommendation.

On motion of Mr. McLaughlin, the action of the Board of Directors was approved.

LIBRARY BINDING

(40) The Director of the Library, the Director of Purchases, and the Comptroller recommend placing an order for library binding for two years beginning July 1, 1949, for all University of Illinois requirements (Urbana-Champaign, Chicago Professional Colleges, and the Chicago Undergraduate Division) with Ernst Hertzberg and Sons, Chicago, the lowest bidder.

I concur.

On motion of Mr. Nickell, this contract was authorized.

CONTRACT FOR LANDSCAPING WORK

(41) The Director of the Physical Plant Department and the Comptroller recommend the award of a contract for \$8,727 to Martin Ivey, Urbana, the lowest bidder, for landscaping the East Chemistry Building and Physics Research Laboratory areas. The total cost is divided into a charge of \$6,198 for the East Chemistry Building area and \$2,529 for the Physics Research Laboratory area.

Funds are available in the State appropriations for the construction of these buildings to cover the cost.

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

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

**ADDITION TO ELECTRICAL CONTRACT FOR
ELECTRICAL ENGINEERING BUILDING**

(42) The Director of the Physical Plant Department and the Comptroller recommend an increase of \$1,671.51 in the contract with Leverenz Electric Company for the electrical work in the construction of the Electrical Engineering Building. This will provide for furnishing and installing eight reduced voltage starters for eight motors on the supply and exhaust fans, replacing the "across-the-line" starters furnished with the fans. The change in starters is requested to comply with the policy of the Physical Plant Department of using reduced voltage motor starters on all motors over five horsepower, thereby reducing the load on power lines when motors are started.

Funds are available in the State appropriation for the construction of the Electrical Engineering Building.

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

On motion of Mr. Livingston, this change was authorized.

ADDITION TO GENERAL CONTRACT FOR EAST CHEMISTRY BUILDING

(43) When plans and specifications for the East Chemistry Building were prepared, acoustical ceilings were eliminated from all but four rooms to keep construction costs to the minimum until availability of funds was assured.

The Chemistry Department has requested acoustical ceilings in additional rooms, since it is now known that funds will be available in the appropriation for this building.

The Director of the Physical Plant Department and the Comptroller recommend an increase of \$8,000 in the contract with John Felmley Company for the general work on the construction of this building for acoustical ceilings in:

Ground floor: Entrance lobby No. 2, corridors Nos. 12 and 17.

First floor: Lobby (students lounge) No. 101, seminar No. 118, classroom Nos. 121, 123, and 136, corridor No. 122, conference room No. 130, departmental offices Nos. 133 and 134.

Second floor: Drafting and lecture room No. 203 and library No. 235.

Third floor: Seminar No. 319, departmental offices Nos. 321 and 322.

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

On motion of Mr. Hickman, this change was authorized.

**CONTRACT FOR ENGINEERING SERVICES ON VIVARIUM
REFRIGERATION SYSTEM**

(44) The present refrigerating system at the Vivarium Building at Urbana-Champaign is twenty-five years old and has reached the point beyond which it is no longer economical to repair it. Its obsolescence has been accelerated by rapid progress in the refrigerating field. The refrigerant used is a hazardous sulphur dioxide type. The present system is incapable of obtaining the temperature and humidity ranges required for certain experimental work.

The Director of the Physical Plant Department and the Comptroller recommend that a contract be awarded to Mr. E. C. Manthei of Champaign to prepare plans, specifications, and cost estimates for replacing this refrigerating system, the contract to be on the basis of $4\frac{1}{2}$ per cent of the cost of the new equipment, equipment replacement, and installation, with the provision that the fee shall not exceed \$2,800. The total estimated cost for modernization, exclusive of these engineering services, is \$60,460.

Funds are available in the Physical Plant budget for this contract for preparing plans and specifications.

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

On motion of Mr. Nickell, this contract was authorized.

CONTRACT FOR PURCHASE OF COAL

(45) The Director of Purchases and the Comptroller recommend that a contract be awarded to the Republic Coal and Coke Company, Mattoon, the lowest bidder, for approximately 40,000 tons of screenings coal to be delivered to the Abbott Power Plant, Urbana-Champaign, as required from September 1, 1949, to May 31, 1950, at a price of \$4.00 a ton f.o.b. mine. The total expenditure will be approximately \$160,000 for the coal, plus \$38,160 for freight, a total of \$198,160.

The lowest bid is determined by the number of British thermal units for one cent based on guaranteed analyses.

I concur.

On motion of Mr. McLaughlin, this contract was authorized, subject to constitutional provisions.

REAPPROPRIATION OF UNEXPENDED BALANCES

(46) The Comptroller recommends that the following unexpended balances in appropriations made by the Board of Trustees for services and projects not completed as of June 30, 1949, be reappropriated (see Appendix, page 483). The total of such balances recommended for reappropriation is \$2,377,467, of which it is recommended that \$1,017,187 be reappropriated for a period of sixty days from July 1, 1949, and the remainder of \$1,360,280 be reappropriated for the fiscal year beginning July 1, 1949. The appropriation balances included in the first group are for projects which can be completed within the sixty-day period provided by the State Finance Act and can be charged against the University's appropriation for the biennium of 1947-1949. Other items will be covered by unexpended balance in University Income Fund at June 30, 1949, which will be covered by State appropriations for 1949-1951.

I concur.

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

**INSTALLATION OF LABORATORY EQUIPMENT IN
EAST CHEMISTRY BUILDING**

(47) Much of the equipment for the East Chemistry Building has already been purchased and will be paid for from the State building appropriations for 1947-1949 for the construction of this building. An additional appropriation of \$400,000 has been requested for 1949-1951 for the purchase of additional equipment and for installation.

In the meantime, bids have been taken on the installation of this equipment. The Director of the Physical Plant Department and the Comptroller recommend award of the contracts to the lowest bidders as follows, in each case the contract to be subject to availability of funds for the biennium of 1949-1951:

Brunkow Electric Company, Champaign, electrical work.....	\$ 18 740
W. T. Mahoney and Sons, Chicago, plumbing work.....	110 718
Carson-Payson Company, Danville, heating work.....	99 933
Carson-Payson Company, Danville, pipe supports.....	21 480

\$250 871

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

On motion of Mrs. Holt, these contracts were authorized subject to availability of funds.

**CONTRACT FOR EXTENSION OF UTILITY SERVICES TO
VETERINARY SCIENCE BUILDING**

(48) The Board of Trustees has awarded contracts for the construction of a steam tunnel and installation of piping for extension of the utilities distribution system to the site of the proposed new College of Veterinary Medicine building.

Bids have now been received for (1) insulation of the pipe, and (2) the construction of underground electric duct run and manholes.

The Director of the Physical Plant Department and the Comptroller recommend award of the contracts to the lowest bidders:

Asbestos & Magnesite Materials Company, Chicago, insulation of the pipe.....	\$ 8 570
Kuhne-Simmons Company, Inc., Champaign, construction of electric duct run and manholes.....	34 717

Funds are available in the State appropriation for 1947-1949 for the enlargement and extension of the utilities distribution system.

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

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

CONTRACT FOR WATERPROOFING EXTERIOR WALLS OF PHYSICS RESEARCH LABORATORY

(49) Shortly after the completion of the Physics Research Laboratory (the Betatron Building), it was found that the mortar joints, particularly in the south wall, were not water-tight. This is probably due to use of mortar of too rich a mixture in the laying of the bricks, causing shrinkage and fine cracks in the joints. During heavy rains there is considerable leakage with damage to the interior walls and in some cases to equipment.

The Physical Plant Department consulted the State Architect's office and the Small Homes Council regarding corrective measures. Both organizations had experienced similar defects but knew of no product or treatment they could recommend. After further investigation, information and estimates were secured from two organizations specializing in this kind of work, the Western Waterproofing Company, Chicago, and the A. C. Horn Corporation, Minneapolis, Minnesota. Western quoted a price of \$3,450 for repairing the entire south elevation of the Physics Research Laboratory and the Horn Corporation quoted \$3,344 for the same job. Work done by this company on other buildings, including some hotel jobs, was investigated and found satisfactory.

The treatment consists of testing all joints with hammer and chisel, taking out loose joints, and grouting all of the joints with factory-mixed material. The work is all done by the Horn Corporation's trained crew.

I recommend that the Comptroller and the Secretary of the Board be authorized to execute a contract for \$3,344 for the restoration of the south elevation of the Physics Research Laboratory.

Funds are available in existing appropriations for this work.

On motion of Mr. McLaughlin, this contract was authorized.

CLOSING OF GALESBURG UNDERGRADUATE DIVISION

(50) Further conferences have been held with the Public Housing and Home Finance Administrator (in charge of the temporary housing project at Galesburg), and the Director of Public Welfare with respect to the time and conditions of the final transfer of government property used by the Galesburg Undergraduate Division.

Under the date of May 31, 1949, the War Assets Administration approved a transfer of this property to the State of Illinois for use for public health purposes, including especially the operation of a Geriatrics Institute for the care of the aged, infirm, and senile as of June 1, 1949, subject to concurrence of the University. This transfer was accepted by the Director of the Department of Public Welfare and by the Comptroller on behalf of the University, by Letter Agreement dated May 31, 1949, subject to ratification by the Board of Trustees.

By agreement with the Department of Public Welfare, the University has continued in possession in order to close up its activities. The Department further requested that the University continue responsibility for the property until September 1, 1949 (the original lease with the University ran until September 20, 1949). Officers of the University have agreed to do this, it being understood that operations are to be reduced as rapidly as possible and the staff and expenses

limited to those necessary for the protection of property and winding up the records and affairs of the University, including the removal of University property.

A resolution relating to the temporary housing units was approved by the Board on April 21, 1949. The effective date of that transfer has now been made July 30, at which time this portion of the property will be returned to the Public Housing Administration.

A resolution is now submitted relating to the general hospital property and its approval by the Board is requested.

Resolution approving the Letter Agreement for transfer of the site of the former Mayo General Hospital now under lease to the University of Illinois from the War Assets Administration

Whereas, it has been decided to close operation of the Galesburg Division of the University of Illinois at the end of the current academic year, and

Whereas, the Department of Public Welfare of the State of Illinois has applied to the War Assets Administration for purchase of the property and site now leased by the University of Illinois at the Galesburg Division, and that such application of purchase has been processed and transfer conditionally consummated by a Letter Agreement dated May 31, 1949, in which such property, personal and real, has been sold to the State of Illinois for public health purposes,

Now, Therefore, Be It Resolved, that the Letter Agreement dated May 31, 1949, between the State of Illinois Department of Public Welfare and the War Assets Administration or its successor in function, be confirmed, and the execution thereof by Lloyd Morey, Comptroller, through William J. English, Business Manager, Galesburg Division, be and is hereby ratified and approved.

On motion of Mr. Nickell, this resolution was adopted.

LEASE OF ILLINI CENTER

(51) On April 24, 1947 (Minutes, page 348), the Board of Trustees authorized the leasing of quarters (3,000 square feet of space) in the LaSalle Hotel, Chicago, for the Illini Center, to be used jointly by the University and the Alumni Association, at a rental of \$4,500 a year. The lease will terminate on June 30, 1949. The University has the option of renewing it for three successive two-year periods; the lessor has reserved the right to negotiate an adjustment in the rental with each renewal.

In consideration of the expenditure by the University for remodeling and furnishing the quarters, the LaSalle Hotel accepted a moderate rental for the earlier years of the occupancy, with the understanding that a higher rental would be put into effect later.

The LaSalle Hotel has requested a rental of \$5,400 for 1949-1950 and of \$6,000 for 1950-1951. The present rental is at the rate of \$1.50 a square foot, and the proposed rates are \$1.80 a square foot for 1949-1950 and \$2.00 a square foot for 1950-1951. The rates are reasonable in comparison with other office quarters of similar quality in terms of location and services available in the Chicago Loop.

The Comptroller requests authority to extend this lease for two years ending June 30, 1951, at a rental of \$5,400 for 1949-1950 and \$6,000 for 1950-1951.

I concur.

On motion of Mr. McLaughlin, this lease was authorized.

HOUSE BILL 970

(52) At this point Mr. Livingston asked that the Board consider the implications of House Bill 970 now before the Senate of the Sixty-sixth General Assembly of Illinois.

This bill was introduced in the House of Representatives on May 17, 1949. It would amend an Act of 1941 by placing the administration of civil service in the University of Illinois under a separate board of commissioners to be appointed by the Governor. The Act of 1941 authorized and directed the Board of Trustees of the University of Illinois to classify by rules adopted for that purpose all nonacademic positions and employments in the University of Illinois (except the faculty, administrative officers, professional and scientific positions) with reference to duties thereof for the purpose of establishing grades, salary scales, and

standards of examinations therefor. Such positions and employment now constitute the classified civil service of the State in relation to the University of Illinois. All appointments are made in accordance with the provisions of such rules.

Mr. Livingston pointed out that the Board as a whole has not had a previous opportunity to consider House Bill 970 and take an official position on it. The bill was introduced shortly before the May meeting of the Board, at which time the Board had no knowledge of it. There has been no meeting of the Board since that time and obviously the Executive Committee could not speak for the Board. The present University Civil Service system was enacted at the request of the Board which also adopted the Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees pursuant to such legislation.

After thorough discussion, on motion of Mr. Hickman, the Board adopted the following resolution and requested that it be transmitted to the Senate:¹

"The Board of Trustees of the University of Illinois is opposed to the passage of House Bill 970 which would change the administration of civil service in the University by removing it from the Board of Trustees and placing it under a separate board of commissioners to be appointed by the Governor.

"The Board of Trustees is of the strong conviction that this bill would seriously hamper the Board and administrative officers in the administration of nonacademic employees."

MESSAGE TO MR. H. E. CUNNINGHAM

On motion of Mr. Livingston, the Board expressed to Mr. H. E. Cunningham, Secretary, its sympathy in his illness, and best wishes.

SECRETARY'S REPORT

The Secretary, *pro tempore*, presented the following lists for record, as printed in the Appendix.

1. Appointments made by the President of the University (page 423).
2. Graduate fellows (page 426).
3. Allerton scholarships (page 427).
4. Resignations, declinations, and terminations (page 427).
5. Retirements (page 428).
6. Lists of degrees approved by the University Senate to be conferred at Commencement June 12, in Urbana, and June 17, in Chicago (page 429).

The Board adjourned.

A. J. JANATA

Secretary, pro tempore

KENNEY E. WILLIAMSON

President

¹ This was done by the President of the University.

APPENDIX

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.)

- BEVER, WAYNE M., Associate Professor, Crop Pathology (Agronomy) (C) ($\frac{1}{2}$), indefinite tenure beginning July 1, 1949, to render service during two semesters of each academic year, \$1005 (6-8-49).
- BICKERS, DONALD, Research Assistant, Psychiatry (Medicine) ($\frac{1}{4}$), four months beginning May 1, 1949, \$50 a month (5-21-49).
- BINKERD, GORDON W., Assistant Professor, Music, two years beginning September 1, 1949, to render service during two semesters of each academic year, \$4300 a year (5-28-49).
- BLAND, GEORGE F., Research Assistant, Electronic Digital Computer (Graduate College), three months beginning June 1, 1949, \$275 a month, supersedes (6-9-49).
- BOLDUC, BARBARA, Nursery School (Division of Special Services for War Veterans) (5/7), Summer Session, 1949, June 17-August 13, 1949, \$493 (6-14-49).
- BRANTLEY, JOHN C., Postdoctoral Research Assistant, Chemistry (Graduate College), July 1-August 15, 1949, \$450 (5-28-49).
- BUCK, W. L., Special Research Assistant, Physics (C), three months beginning June 1, 1949, \$270 a month, supersedes (6-17-49).
- CAMPBELL, ROBERT, Assistant Professor, Economics, academic year beginning September 1, 1949, \$4500 (5-28-49).
- CHERNOFF, HERMAN, Assistant Professor, Mathematics, academic year beginning September 1, 1949, \$4500 (5-23-49).
- CHRISTY, BARBARA, Special Research Assistant, Chemistry (Graduate College), one year beginning September 1, 1949, \$2700 (6-17-49).
- CHUNG, KAI-LAI, Visiting Lecturer (Graduate College), two months beginning June 15, 1949, \$1000 (6-13-49).
- COHEN, ALVIN J., Postdoctoral Research Assistant, Chemistry (Graduate College), July 1-August 15, 1949, \$450 (5-28-49).
- DOWSE, EUNICE M., Head Resident, New Residence Hall, ten months beginning September 1, 1949, \$3000; also to be furnished housing valued at \$100, and three meals daily, valued at \$168 (5-26-49).
- DRESKIN, E. A., Instructor, Pathology (Medicine) ($\frac{3}{4}$), nine months beginning July 1, 1949, \$3000 a year, supersedes (5-26-49).
- EMIGH, C. R., Special Research Assistant, Physics (C), three months beginning June 1, 1949, \$3240 a year, supersedes (6-13-49).
- ERDŐS, PAUL, Visiting Lecturer (Graduate College), two months beginning June 15, 1949, \$1800 (6-13-49).
- ERKMAN, J. O., Special Research Assistant, Physics (C), three months beginning June 16, 1949, \$270 a month (6-8-49).
- EVANS, KARL H., Instructor, Civil Engineering (C) ($\frac{1}{2}$), academic year beginning September 1, 1949, \$2000 (5-26-49).
- FIX, LESTER W., Clinical Teaching Assistant, Pathology (Medicine), one year beginning July 1, 1949, without salary, supersedes (5-26-49).
- FLEMING, MRS. MARILYN M., Electroencephalographer, and Assistant, Psychiatry (Medicine), four months beginning May 1, 1949, \$200 a month (5-21-49).
- FRAENKEL, GOTTFRIED S., Special Research Professor, Entomology (Graduate College), three months beginning June 15, 1949, \$1998 (6-13-49).
- FRANKEL, SHERMAN, Special Research Assistant, Physics (C), three months beginning June 1, 1949, \$270 a month, supersedes (6-16-49).
- GENTRY, DWIGHT L., Instructor, Marketing (Business Organization and Operation) ($\frac{1}{2}$), academic year beginning September 1, 1949, \$1800 (6-17-49).
- GRAFFIN, JACK W., Clinical Assistant, Dermatology (Medicine), May 18-August 31, 1949, without salary (6-9-49).
- GRIEGER, PHILIP F., Research Assistant, Chemistry (Graduate College), one year beginning July 1, 1949, \$4200 (6-13-49).
- GRIFFITH, PAUL R., Clinical Associate, Dermatology (Medicine), five months beginning April 1, 1949, without salary, supersedes (5-21-49).

- GRISAMORE, THOMAS L., Assistant Professor, Hygiene, and Medical Adviser for Men, Health Service (Undergraduate Division in Chicago) ($\frac{1}{2}$), July 1, 1949-August 31, 1950, \$3500 a year (6-13-49).
- HAMLIN, HOWARD H., Clinical Assistant, Surgery (Medicine), three months beginning June 1, 1949, without salary (5-28-49).
- HURWICZ, LEONID, Research Professor, Economics and Mathematical Statistics (Graduate College), indefinite tenure beginning September 1, 1949, to render service during two semesters of each academic year, \$7850 a year (6-13-49).
- IRWIN, OWEN R., Research Assistant, Chemistry (Graduate College), one year beginning July 1, 1949, \$3600 (6-9-49).
- JANNEY, I. W., Special Research Assistant, Physics (C), two months beginning June 16, 1949, \$270 a month (6-17-49).
- JENSEN, MRS. KATHERINE B., Assistant Head Resident, New Residence Hall, ten months beginning September 1, 1949, \$2400; also to be furnished three meals daily, valued at \$168 (5-26-49).
- JENTSCHKE, WILLIBALD K., Assistant Professor, Electrical Engineering (C), March 16-August 31, 1949, without salary (6-1-49).
- JOLLY, WILLIAM L., Research Assistant, Chemistry (Graduate College), two months beginning July 1, 1949, \$500 (6-9-49).
- KIRCH, E. R., Chemistry (Undergraduate Division in Chicago) ($\frac{1}{3}$), Summer Session, 1949, June 27-August 19, 1949, \$386 (6-15-49).
- KIRK, COLLEEN J., Instructor, Music ($\frac{1}{3}$), College of Education ($\frac{1}{2}$), and Counselor, University Council on Teacher Education (17/100), academic year beginning September 1, 1949, \$4090, supersedes (5-26-49).
- KRAMER, CHARLES H., JR., Clinical Assistant, Medicine (Medicine), fifteen months beginning June 1, 1949, without salary (6-8-49).
- KRATHWOHL, D. R., Instructor, Unit on Evaluation, Bureau of Research and Service, one year beginning September 1, 1949, \$4600 (6-9-49).
- KREGER, W. E., Special Research Assistant, Physics (C), two months beginning June 16, 1949, \$270 a month (6-17-49).
- LANDES, JACK L., Research Assistant, Bureau of Research and Service, June 16-August 31, 1949, \$233.34 a month (5-21-49).
- LEE, ZUR-KONG, Special Research Associate, Civil Engineering (S) ($\frac{1}{2}$), one year beginning June 16, 1949, \$2000, supersedes (5-26-49).
- LEWANDOSKI, MARTHA S., Assistant Professor, Hygiene, and Medical Adviser for Women, Health Service, fifteen months beginning June 1, 1949, \$5000 a year (5-23-49).
- LITTLE, MARGUERITE, Research Assistant, English (Graduate College), nine months beginning September 16, 1949, \$3000 (6-17-49).
- LLOYD, S. P., Special Research Assistant, Physics (C), three months beginning June 1, 1949, \$270 a month, supersedes (6-8-49).
- MAHAN, ROBERT D., Special Research Assistant, Civil Engineering (S), three months beginning July 1, 1949, \$275 a month (6-8-49).
- MCNEIL, E. B., Special Research Assistant, Physics (C), two months beginning June 16, 1949, \$270 a month (6-16-49).
- MEINHARDT, NORMAN A., Research Assistant, Chemistry (Graduate College), one year beginning July 1, 1949, \$3900 (6-9-49).
- MOHR, PAUL, Research Assistant, Chemistry (Graduate College), two months beginning July 1, 1949, \$500 (6-9-49).
- MORTLAND, MAX M., Assistant, Soil Survey Research (Agronomy) (S), three months beginning June 1, 1949, \$266.67 a month, supersedes (5-21-49).
- NOWLIN, GENE, Research Assistant, Chemistry (Graduate College), one year beginning July 1, 1949, \$3900 (6-9-49).
- PALEVSKY, HARRY, Special Research Assistant, Physics (C), three months beginning June 1, 1949, \$3240 a year, supersedes (6-13-49).
- PESKIN, BERNARD A., Assistant, Mechanical Engineering (C), nine months beginning September 16, 1949, \$3000 (5-28-49).
- POTTER, JAMES H., Professor, Mechanical Engineering (C), two months beginning July 1, 1949, \$688.89 a month (6-14-49).
- POTTER, JAMES H., Professor, Mechanical Engineering (C), indefinite tenure beginning September 1, 1949, to render service during two semesters of each academic year, \$6200 a year (5-23-49).
- POWER, RUTH T., Chemistry Librarian, rank of Instructor, Library, one year beginning September 1, 1949, \$4000 (5-21-49).

- PRICE, G. A., Special Research Assistant, Physics (C), two months beginning June 1, 1949, \$3240 a year, supersedes (6-13-49).
- QUASTLER, HENRY, Research Associate Professor, Radiobiology (Physics, Zoology, and Physiology) (Graduate College), indefinite tenure beginning July 1, 1949, \$7500 a year, supersedes (5-23-49).
- RANDS, ROBERT D., Research Assistant, Chemistry (Graduate College), seven months beginning July 1, 1949, \$1400 (6-9-49).
- RAUSCH, DOROTHY, Clinical Instructor, Nursing (Pediatrics) (Nursing), three months beginning June 1, 1949, \$277 a month; also to be furnished one meal daily while on duty valued at \$8 a month, supersedes (5-21-49).
- RAY, BURTON W., Assistant, Soil Survey Research (Agronomy) (S), three months beginning June 1, 1949, \$283.34 a month, supersedes (5-21-49).
- ROCKWOOD, RUTH H., Administrative Assistant and Instructor, Library Science, June 6, 1949-August 31, 1950, \$3400 a year (6-9-49).
- ROWLAND, R. E., Special Research Assistant, Physics (C), two months beginning June 16, 1949, \$3240 a year (6-13-49).
- RUST, RICHARD H., Assistant, Soil Survey Research (Agronomy) (S), three months beginning June 1, 1949, \$266.67 a month, supersedes (5-21-49).
- SAUNDERS, DAVID R., Research Assistant, Psychology (Graduate College), two months beginning July 1, 1949, \$250 a month (6-17-49).
- SCHIFF, DANIEL, Special Research Assistant, Physics (C), three months beginning June 16, 1949, \$270 a month (6-16-49).
- SCHILLING, WILLIAM M., Research Assistant, Chemistry (Graduate College), eleven months beginning August 1, 1949, \$325 a month (6-9-49).
- SCHOOF, W. W., Special Research Assistant, Physics (C), three months beginning June 16, 1949, \$270 a month (6-16-49).
- SCOTT, M. B., Special Research Assistant, Physics (C), three months beginning June 16, 1949, \$270 a month (6-8-49).
- SEWELL, DORIS C., Head Resident, New Residence Hall, ten months beginning September 1, 1949, \$270 a month; also to be furnished housing valued at \$100 and three meals daily, valued at \$168 (6-17-49).
- SHAPIN, THEODORE, JR., Research Assistant, Electronic Digital Computer (Graduate College), one year beginning June 16, 1949, \$3360 (6-8-49).
- SHAPIRO, MAURICE D., Research Assistant, Electronic Digital Computer (Graduate College), one year beginning July 1, 1949, \$3120 (6-9-49).
- SHIMEK, JOHN L., Editor, rank of Instructor, Business Management Service, June 15, 1949-August 31, 1950, \$4000 a year (6-16-49).
- SHORE, F. J., Special Research Assistant, Physics (C), three months beginning June 16, 1949, \$3240 a year (6-13-49).
- SLEPYAN, ALBERT H., Clinical Associate, Dermatology (Medicine), five months beginning April 1, 1949, without salary, supersedes (5-21-49).
- SONNENSCHN, RALPH R., Research Assistant, Psychiatry (Medicine), four months beginning May 1, 1949, \$333.33 a month (6-8-49).
- SPIEGELMAN, SOL, Research Professor, Bacteriology (Graduate College), July 1-August 31, 1949, \$1657; indefinite tenure beginning September 1, 1949, to render service during two semesters of each academic year, \$7500 a year (5-23-49).
- STENN, FREDERICK, Lecturer, History of Medicine (Medicine), March 28-August 31, 1949, without salary (5-21-49).
- STEPHENSON, L. P., Special Research Assistant, Physics (Graduate College), two months beginning July 1, 1949, \$270 a month (6-17-49).
- STEPPER, BACIA R., Instructor, Art, academic year beginning September 1, 1949, \$3000 (6-17-49).
- TAYLOR, CHARLES B., Assistant Professor, Pathology (Rush) (Medicine) (½), one year beginning September 1, 1949, \$5000 (4-22-49).
- TAYLOR, DONALD E., Special Research Assistant, Mechanical Engineering (S), three months beginning June 1, 1949, \$250 a month (6-16-49).
- TONG, KIN NEE, Instructor, Theoretical and Applied Mechanics (C) (½), academic year beginning September 1, 1949, \$1800 (5-26-49).
- TOPPING, ALANSON D., Instructor, Theoretical and Applied Mechanics (C) (½), academic year beginning September 1, 1949, \$1900 (6-17-49).
- VANHORN, JOHN R., Special Research Assistant, Physics (C), two months beginning July 1, 1949, \$270 a month (6-17-49).

- VAN SLYKE, JAMES K., Instructor, Rural Sociology Extension, Agricultural Economics (E), fifteen months beginning June 1, 1949, \$4000 a year (6-9-49).
 VUKASIN, PETER N., Assistant Professor, Economics, academic year beginning September 1, 1949, \$4500 (5-28-49).
 WEGSTEIN, J. H., Special Research Assistant, Physics (Graduate College), two months beginning July 1, 1949, \$270 a month (6-17-49).
 WEIMER, RUTH H., Assistant Head Resident, New Residence Hall, ten months beginning September 1, 1949, \$2400; also to be furnished three meals daily, valued at \$168 (5-26-49).
 WEISE, ERWIN K. E., Assistant Professor, Electrical Engineering (C), March 16-August 31, 1949, without salary (6-1-49).
 WOOD, VIVIAN M., Temporary Head Resident, Busey Hall, June 12-August 11, 1949, \$360; also to be furnished housing valued at \$10 per month, and board valued at \$21 per month (6-26-49).
 YOUNG, PAUL, Professor, Music, indefinite tenure beginning September 1, 1949, to render service during two semesters of each academic year, \$7000 a year (5-17-49).

GRADUATE FELLOWS

(The following appointments were made by the President of the University on the dates indicated in parenthesis.)

- ABBOTT, JOHN C., Fellow, Agricultural Economics, nine months beginning September 16, 1949, \$850 (5-20-49).
 AYOUN, RAYMOND G., Fellow, Mathematics, nine months beginning September 16, 1949, \$850 (5-20-49).
 BOREN, HENRY C., Fellow, History, nine months beginning September 16, 1949, \$700 (5-20-49).
 BROOKSHIER, WILLIAM K., Galvin Fellow, Electrical Engineering, nine months beginning September 16, 1949, \$750 (5-20-49).
 BROWN, FLOYD W., Fellow, Business Organization and Operation, nine months beginning September 16, 1949, \$700 (5-20-49).
 CELMER, WALTER D., Upjohn Company Fellow, Chemistry, one year beginning September 1, 1949, \$1500 (5-20-49).
 COLVIN, DORIS M., Zeta Phi Eta Fellow, Speech, nine months beginning September 16, 1949, \$700 (5-20-49).
 DEWALT, HARRY A., JR., E. I. du Pont de Nemours and Company Fellow, Chemistry, nine months beginning September 16, 1949, \$1200 (5-27-49).
 EGGENBERGER, WALTER, Booth Fellow, Horticulture, nine months beginning September 16, 1949, \$1500 (5-20-49).
 EILAR, KENDRICK R., American Cyanamid Company Postdoctoral Fellow, Chemistry, one year beginning September 1, 1949, \$3000 (6-2-49).
 FITZPATRICK, WILLIAM D., Edward Orton, Jr., Ceramic Foundation Fellow, Ceramic Engineering, nine months beginning September 16, 1949, \$1000 (6-20-49).
 GOODE, WILLIAM E., Eli Lilly and Company Fellow, Chemistry, nine months beginning September 16, 1949, \$1000 (5-27-49).
 GREENWELL, BENJAMIN E., Upjohn Company Fellow, Chemistry, one year beginning September 1, 1949, \$1500 (5-20-49).
 HEARN, WALTER R., Upjohn Company Fellow, Chemistry, one year beginning September 1, 1949, \$1500 (5-20-49).
 HEIDENREICH, CLARENCE R., Fellow, Medicine, one year beginning July 1, 1949, \$1800 (6-20-49).
 HELPER, MALCOLM M., Fellow, Psychology, nine months beginning September 16, 1949, \$700 (5-20-49).
 KLEBAN, WARREN G., Fellow, Mechanical Engineering, September 16, 1949-January 31, 1950, \$350 (5-20-49).
 KOHN, PAUL, Upjohn Company Fellow, Chemistry, one year beginning September 1, 1949, \$1500 (5-20-49).
 LANGLOIS, KENNETH JOHN, Research Fellow, Clinical Science (Medicine), March 15-June 30, 1949, without salary (5-21-49).
 LIFE, JOHN R., Fellow, Physical Education, nine months beginning September 16, 1949, \$700 (5-20-49).
 MANGE, FRANKLIN E., Henry J. Strong Fellow, Chemistry, nine months beginning September 16, 1949, \$850 (5-20-49).

- MATTES, DOROTHY J., Florence L. White Fellow, Economics, nine months beginning September 16, 1949, \$700 (5-20-49).
- MILLER, RICHARD P., Upjohn Company Fellow, Chemistry, one year beginning September 1, 1949, \$1500 (5-20-49).
- MURRAY, HAYDN HERBERT, Illinois Clay Products Company Fellow, Geology, nine months beginning September 16, 1949, \$1500 (6-6-49).
- PETERSON, BETTY M., Fellow, English, nine months beginning September 16, 1949, \$700 (5-20-49).
- PIKRAMENOU, MARIKA, Special Research Fellow, Chemistry, nine months beginning September 16, 1949, \$1750 (5-23-49).
- REANEY, JAMES C., Fellow, English, nine months beginning September 16, 1949, \$850 (5-20-49).
- REYNOLDS, JAMES A., Fellow, Journalism, nine months beginning September 16, 1949, \$700 (5-20-49).
- SCHNEIDER, HORST G., Upjohn Company Fellow, Chemistry, one year beginning September 1, 1949, \$1500 (5-20-49).
- SCHUTZ, FREDERICK W., JR., Fellow, Civil Engineering, nine months beginning September 16, 1949, \$700 (5-20-49).
- SELLEG, DONNA J., Zeta Phi Eta Fellow, Speech, nine months beginning September 16, 1949, \$700 (5-20-49).
- SHELTON, JOHN W., Fellow, Geology, nine months beginning September 16, 1949, \$700 (5-20-49).
- SLEZAK, GEORGE CHARLES, Research Fellow, Clinical Science (Medicine), March 15-June 30, 1949, without salary (5-21-49).
- TASSLER, MILFORD C., Standard Oil Company of Indiana Fellow, Chemical Engineering, nine months beginning September 16, 1949, \$1200 (6-1-49).
- WILSON, ANNETTE L., Fellow, Institute of Labor and Industrial Relations, nine months beginning September 16, 1949, \$700 (5-20-49).

ALLERTON SCHOLARSHIPS

(The following award of scholarships was made by the President of the University on May 17, 1949.)

RAYMOND CHARLES OVRESAT and LYMAN RAY TROXELL, JR., Allerton American Traveling Scholarships in Architecture.

RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- CANEPA, JUAN F., A. E. Staley Manufacturing Company Research Fellow, Clinical Science (Medicine) — resignation effective 3-1-49.
- CLARY, CORNELIA, Nursery School (Division of Special Services for War Veterans), Summer Session, 1949 — declination effective 6-17-49.
- CONNERY, ROBERT H., Professor, Political Science — resignation effective 9-1-49.
- COVINGTON, MRS. JEANNE, Housemother (Undergraduate Division in Galesburg) — resignation effective 7-15-49.
- CRANDALL, P. H., Fellow, Surgery (Medicine) — resignation effective 6-7-49.
- CULLISON, C. W., Instructor, Pathology (Medicine) — resignation effective 6-1-49.
- DAVIS, W. T., Business Law, Summer Session, 1949 — declination effective 6-17-49.
- DOWELL, DOROTHY, Instructor, Labor and Industrial Relations and Extension (Institute of Labor and Industrial Relations, and in the Division of University Extension) — resignation effective 6-23-49.
- EHRHARDT, DOROTHY JEAN, Zeta Phi Eta Fellow, Speech — resignation effective 9-16-49.
- EVANS, KARL H., Instructor, Civil Engineering (C) — declination effective 9-1-49.
- GIANASI, CHARLES A., Assistant Physician, Health Service (Chicago Professional Colleges) — resignation effective 7-1-49.
- GOOD, DALE E., Research Assistant, Institute of Labor and Industrial Relations — resignation effective 6-1-49.
- GRIMSHAW, AUSTIN, Management, Business Organization and Operation, Summer Session, 1949 — declination effective 6-17-49.
- HAHN, ANDREW LOUIS, Assistant Professor, Hygiene, Medical Adviser for Men — resignation effective 7-31-49.
- HANLEY, BERNARD CAHILL, Special Research Associate, Theoretical and Applied Mechanics (S) — resignation effective 7-16-49.

- HUGHES, RICHARD E., Flight Instructor, Institute of Aviation — resignation effective 6-15-49.
- KLINE, MARLYS I., Assistant Teacher, Nursery School (Division of Special Services for War Veterans) — resignation effective 8-13-49.
- KNIGHT, J. D., Special Research Associate, Physics (S) — resignation effective close of business 6-21-49.
- KOGEN, EARL R., Head Resident (Undergraduate Division in Galesburg) — resignation effective 7-1-49.
- LIFE, JOHN R., Fellow, Physical Education — declination effective 9-16-49.
- MAGUIRE, J. T., English, Summer Session, 1949 — declination effective 6-17-49.
- MATTES, DOROTHY J., Florence L. White Fellow, Economics — declination effective 9-16-49.
- MURRELL, T. A., Electrical Engineering, Summer Session, 1949 — declination effective 6-17-49.
- NEWKIRK, TERRY FRANKLIN, Special Research Associate, Ceramic Engineering (S) — resignation effective 6-9-49.
- OSINSKI, MRS. CAROLYN B., Assistant, Veterinary Pathology and Hygiene (Veterinary Medicine) — resignation effective 7-15-49.
- PALMER, C. E., Architecture, Summer Session, 1949 — declination effective 6-17-49.
- PARK, ALVIN L., Research Assistant, Institute of Labor and Industrial Relations — resignation effective 7-20-49.
- PATTERSON, BETTE J., Assistant Reference-Circulation Librarian, rank of Instructor, Library (Undergraduate Division in Galesburg) — resignation effective 7-11-49.
- PEARSON, J. E., General Engineering Drawing, Summer Session, 1949 — declination effective 6-17-49.
- REANEY, JAMES C., Fellow, English — declination effective 9-16-49.
- REYNOLDS, JAMES A., Fellow, Journalism — declination effective 9-16-49.
- RIPPER, MRS. KATHLEEN POST, Instructor, Art — resignation effective 9-1-49.
- ROOS, F. J., JR., Art, Summer Session, 1949 — declination effective 6-17-49.
- SAMUEL, A. L., Electrical Engineering, Summer Session, 1949 — declination effective 6-17-49.
- SCHAFFNER, JOHANNES SAMUEL, Special Research Associate, Electrical Engineering (S) — termination effective 6-6-49.
- SEIDLER, BURTON M., Manager, Temporary Housing (Undergraduate Division in Galesburg) — resignation effective 7-6-49.
- SHARPE, J. T., Mechanical Engineering, Summer Session, 1949 — declination effective 6-17-49.
- SONNENSCHN, RALPH R., Smith, Kline & French Research Fellow, Clinical Science (Medicine) — resignation effective 5-1-49.
- STUBBLEFIELD, LOUISE M., Reference-Circulation Librarian, rank of Instructor, Library (Undergraduate Division in Galesburg) — resignation effective 7-6-49.
- SUNYAR, A. W., Special Research Associate, Physics (C) — resignation effective 6-20-49.
- SUTTON, MRS. NANCY B., Administrative Assistant, and Instructor, Library Science — resignation effective 5-7-49.
- TAYLOR, C. E., Theoretical and Applied Mechanics, Summer Session, 1949 — declination effective 6-17-49.
- VON KHRUM, PAUL, Acquisition Librarian, rank of Instructor (Undergraduate Division in Chicago) — resignation effective 9-1-49.
- WEBERLING, MRS. JEANNE B., Research Assistant, Division of Courses and Curricula (Provost's Office) — resignation effective 6-24-49.
- WHAM, MRS. DOROTHY S., Clinical Counselor, Student Counseling Bureau — resignation effective 7-1-49.
- WOODSON, HAROLD W., Research Fellow, Biological Chemistry (Medicine) — resignation effective 2-15-49.
- WUELLNER, GEORGE E., Instructor, Art — resignation effective 9-1-49.
- YALE, MRS. HELEN W., Research Assistant, Animal Science (S) — resignation effective 5-31-49.

RETIREMENTS

- BOND, ETHEL, Associate Professor, Library Science — retirement effective 9-1-49.

DEGREES CONFERRED

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	74
Architectural Engineer.....	1
Ceramic Engineer.....	1
Civil Engineer.....	3
Engineer of Mines.....	1
Doctor of Education.....	2
Master of Education.....	1
Master of Social Work.....	4
Master of Arts.....	123
Master of Science.....	337
Master of Fine Arts.....	2
Master of Music.....	4
<i>Total, Graduate College.....</i>	<i>553</i>

Degrees in Law, conferred at Urbana:

Bachelor of Science.....	18
Bachelor of Laws.....	40
Doctor of Law.....	4
<i>Total, Law.....</i>	<i>62</i>

Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, Library School.....	1
Bachelor of Science, College of Agriculture.....	202
Bachelor of Science, College of Engineering.....	499
Bachelor of Arts, College of Liberal Arts and Sciences.....	321
Bachelor of Science, College of Liberal Arts and Sciences.....	314
Bachelor of Science, College of Education.....	122
Bachelor of Science, College of Commerce and Business Administration.....	346
Bachelor of Science, School of Journalism.....	127
Bachelor of Science, College of Fine and Applied Arts.....	101
Bachelor of Fine Arts, College of Fine and Applied Arts.....	55
Bachelor of Music, College of Fine and Applied Arts.....	11
Bachelor of Science, School of Physical Education.....	73
Bachelor of Science, Division of Special Services for War Veterans.....	356

Total, Baccalaureate Degrees..... 2,528

Total, Degrees Conferred at Urbana..... 3,143

Degrees in Dentistry, conferred in Chicago:

Bachelor of Science in Dentistry.....	4
Doctor of Dental Surgery.....	23
<i>Total, Dentistry.....</i>	<i>27</i>

Degrees in Medicine, conferred in Chicago:

Bachelor of Science in Medical Technology.....	1
Bachelor of Science in Medicine.....	40
Bachelor of Science in Occupational Therapy.....	10
Doctor of Medicine.....	158
<i>Total, Medicine.....</i>	<i>209</i>

Degrees in Pharmacy, conferred in Chicago:

Bachelor of Science in Pharmacy.....	86
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Degrees in the Graduate College, conferred in Chicago:

Doctor of Philosophy.....	5
Master of Science.....	67
<i>Total, Graduate College.....</i>	<i>72</i>

Total, Degrees Conferred in Chicago..... 394

Total, Urbana and Chicago..... 3,537

*Degrees Conferred June 12, 1949, at Urbana***GRADUATE COLLEGE****Degree of Doctor of Philosophy***In Agronomy*

ABDUL ALIM, B.S., Dacca University, 1938; M.S., Calcutta University, 1943
HOTCHAND CHELLARAM MIRCHANDANI, B.Ag., University of Bombay, 1934

In Animal Science

ALVIN LUDWIG NEUMANN, B.S., M.S., Oklahoma Agricultural and Mechanical College, 1938, 1939

In Bacteriology

JOSEPH FRANK PAGANO, B.S., M.S., 1942, 1947
THOMAS GRENVILLE PRIDHAM, B.S., M.S., 1943, 1946

In Botany

GLEN SPELMAN WINTERRINGER, A.B., Illinois College, 1929; A.M., 1930

In Ceramic Engineering

ANDREW TUNG-SHENG YEN, B.S., M.S., Yenching University, 1939, 1941

In Ceramics

WILLIAM ARTHUR GRAFF, B.S., M.S., 1946, 1947

In Chemical Engineering

JOHN MILTON LENOIR, B.S., 1942; M.S., State University of Iowa, 1947
NORWIN CALEY PIERCE, B.S., M.S., 1942, 1947
DONALD JAMES TREVOY, B.E., M.E., University of Saskatchewan, 1944, 1946

In Chemistry

PAUL HARWOOD ALDRICH, A.B., University of Minnesota, 1942
BERNARD RICHARD BLUESTEIN, B.S., University of Pennsylvania, 1946; M.S., 1947
JOHN CALVIN BRANTLEY, A.B., Northeast Missouri State Teachers College, 1942
JEROME ENGEL BROWN, B.S., West Virginia Wesleyan College, 1944
ALVIN JEROME COHEN, B.S., University of Florida, 1940
CHARLES JARCHOW DELBECQ, B.E., University of Toledo, 1943
EDWIN HAROLD FLYNN, B.S., University of Nebraska, 1941
RUSSELL GILKEY, B.S., University of Kentucky, 1943
GORDON OWEN GUERRANT, A.B., Westminster College, 1944
HENRY KINGSTON HALL, Jr., B.S., Polytechnic Institute of Brooklyn, 1944; M.S., Pennsylvania State College, 1946
JOHN ROBERT HUIZENGA, A.B., Calvin College, 1944
JESSE CHIA-HSI HWA, B.S., St. John's University, 1945; M.S., 1947
HAROLD LEONARD JACKSON, A.B., University of Wichita, 1946
JOHN HARPSTER JOHNSON, B.S., University of Toledo, 1942
VIRON VERNON JONES, B.S., University of Utah, 1940
ORIN CLAWSON KEPLINGER, Jr., B.Ed., Southern Illinois University, 1940; M.S., 1948
WILLIAM RICHARD KRIGBAUM, B.S., James Millikin University, 1944; M.S., 1947
WILLIAM HARRIS LIBBY, A.B., Carleton College, 1946
JOHN MIRZA, A.B., DePauw University, 1943
ERWIN WARD NOMMENSEN, B.S., M.S., 1943, 1947
CHARLES LAVERNE PAINTER, A.B., Fort Hays Kansas State College, 1941
JOHN WILLIAM ROTHROCK, B.S., Pennsylvania State College, 1941
ELIZABETH HENG-HUI SHEN, B.S., St. John's University, 1945; M.S., 1947
CARLYLE EDWARD SHOEMAKER, B.Ch.E., Ohio State University, 1943; M.S., 1946
SISTER MARY MARTINETTE HAGAN, A.B., Clarke College, 1933

ROGER JAMES TULL, B.S., Michigan State College, 1944
ELIZABETH JOYCE UNDERHILL, A.B., University of Toronto, 1946
BENJAMIN WEISS, B.S., State University of Iowa, 1944
FRANK XAVIER WERBER, B.S., Queens College, 1944; M.S., 1947
WILLIAM COOPER WILDMAN, A.B., DePauw University, 1943; M.S., 1947
GARRARD ERNEST ALFRED WYLD, A.B., Reed College, 1941; M.S., State University of Iowa, 1942
CHARLES LEON ZIRKLE, B.S., Indiana University, 1942

In Civil Engineering

WALTER JAMES AUSTIN, B.S., Rice Institute, 1941; M.S., 1946
MENG-TE CHANG, B.S., National Chiao Tung University, 1938
CHI-YU TENG, B.S., National Central University, 1942; M.S., 1946

In Education

ROY GLADSTONE, B.S., M.S., 1942, 1947

In English

WILLIAM EARL BUCKLER, A.B., A.M., University of Kentucky, 1944, 1946
GORDON WILSON CLARKE, A.B., M.S., 1943, 1947
RALPH WATERBURY CONDEE, A.B., 1937; A.M., University of Chicago, 1939

In Entomology

JAMES WILBUR APPLE, B.S., Ohio State University, 1937; M.S., Iowa State College, 1940
WILLIS EVERETT SNOW, A.B., M.S., 1942, 1944

In French

GEORGE LOUIS PLAYE, A.B., A.M., Brown University, 1939, 1940

In Geology

ROBERT VERNON KESLING, A.B., DePauw University, 1939; M.S., 1941

In History

JOHN PHILIP AGNEW, A.B., A.M., 1942, 1947
KATHLEEN EDITH DUNLOP, A.B., A.M., 1944, 1946
LAVERN MARSHALL HAMAND, B.S., Illinois Wesleyan University, 1940; M.S., 1947
PAUL GAYLORD HUBBARD, JR., A.B., Wabash College, 1943; A.M., 1945
MURIEL CLEVERLY KENISTON, A.B., University of Maine, 1942; A.M., 1947
RALPH JOSEPH ROSKE, A.B., DePaul University, 1943; A.M., 1947
RICHARD EUGENE SULLIVAN, A.B., University of Nebraska, 1942; A.M., 1947

In Horticulture

VICTOR JAY MILLER, B.S., M.S., 1942, 1947
OSCAR EDMUND SCHUBERT, B.S., West Virginia University, 1942; M.S., 1947

In Mathematics

LOIS AILEEN HOSTINSKY, B.S., Kansas State College, 1943; A.M., 1943
ANNETTE SINCLAIR, B.S., Central Missouri State Teachers College, 1940; A.M., 1945

In Physics

SIDNEY DAVID DRELL, A.B., Princeton University, 1946; A.M., 1947
ERWIN LOUIS HAHN, B.S., Juniata College, 1943; A.M., 1947
ROBERT KATZ, A.B., Brooklyn College, 1937; A.M., Columbia University, 1938
HOWARD ALLEN LEITER, A.B., Miami University, 1940; A.M., 1942

In Political Science

FRANK GRACE, A.B., Vanderbilt University, 1939; A.M., Louisiana State University, 1940

In Psychology

CECIL AUSTIN GIBB, A.B., B.Ec., A.M., University of Sidney, 1935, 1939, 1940
HENRIETTA VER MEER WILLIAMS, A.B., State University of Iowa, 1944; A.M., 1946

In Theoretical and Applied Mechanics

MYRON LEE GOSSARD, B.S., M.S., 1937, 1939

In Veterinary Pathology and Hygiene

THEODORE WIER MILLEN, B.S., Monmouth College, 1930; M.S., D.V.M., Iowa State College, 1939

Professional Degrees*Degree of Architectural Engineer*

HOWARD EMERSON PHILLIPS, B.S., 1939

Degree of Ceramic Engineer

WILLIAM WEBER COFFEEN, B.S., M.S., 1935, 1937

Degree of Civil Engineer

I. CHRISTIAN ARNE, B.S., 1936
HENRY JULE TEBOW, B.S., 1930
ALBERT LINNE THOLIN, B.S., 1924

Degree of Engineer of Mines

GEORGE BROMLEY CLARK, B.S., M.S., University of Utah, 1935, 1946

Degree of Doctor of Education

HARRY DONALD LOVELASS, B.Ed., Eastern Illinois State College, 1936; A.M., 1938
EARL GRAHAM POGUE, B.S., Monmouth College, 1932; A.M., University of Minnesota, 1941

Degree of Master of Education

HAROLD JAMES SNIDOW, A.B., A.M., Colorado State College, 1934, 1941

Degree of Master of Social Work

SHIRLEY SMITH CONGER, A.B., 1941
WILTON KEITH DUCKWORTH, B.B.A., Tulane University, 1943
ROWENA HUBBARD, B.S., Washington University, 1943
ARTHUR BARCLAY SWENEY, B.S., 1947

Degree of Master of Arts*In Architecture*

JACK SHERMAN BAKER, B.S., 1942
TURHAN YUSUF OKEREN, Graduate, Academy of Fine Arts, 1946

In Chemistry

HENRY CHARLES GELLER, A.B., Rice Institute, 1948

In Classics

MARIA JOHN COSMAS NICHOLS, Ph.B., University of Chicago, 1946; A.B., 1947

In Economics

ESTHER VIRGINIA DUVALL, A.B., 1948
YAN-CHING KAO, A.B., Kung Shang University, 1946
MARVIN KOGAN, A.B., 1948

In Education

MARY SCHNEIDER BAUMGARDNER, B.Ed., Illinois State Normal University, 1942
JOHN BUCHANAN BINGAMAN, B.Ed., Eastern Illinois State College, 1943
JOHN JAMES BLINDT, A.B., Gallaudet College, 1940

- LENORA BYOUS, A.B., Stowe Teachers College, 1945
 MARY ELEANOR CARMODY, A.B., University of Chicago, 1945
 HARRY JOSEPH DEARWORTH, A.B., 1938
 LLOYDE DOUGLAS DEES, A.B., Illinois Wesleyan University, 1941
 FRED WILLIAM EWALD, A.B., Carthage College, 1927
 DEAN ARTHUR FLING, B.Ed., Eastern Illinois State College, 1940
 JOHN WILLIAM FUNK, B.S., 1948
 MILDRED WILSON GOODNER, A.B., William Penn College, 1937
 LILLIAN MAE PARKER GRAGG, B.S., 1948
 NORA ZWERIN GRAHAM, B.S., 1947
 GEORGE VANCE GUY, A.B., 1948
 LARAE BENNETT HAMBENNE, A.B., Ball State Teachers College, 1938
 FINLEY HAROLD HOGGIN, A.B., Eureka College, 1923
 WILLIAM CORBETT HOWARD, B.Ed., Northern Illinois State Teachers College, 1936
 MARY LUCILLE HUTCHISON, B.S., 1942
 ELMER EDWARD ICENOGLE, B.S., 1947
 SYLVIA ELEANORE KOLPACK, A.B., 1946
 CARTER SEVERT KVAVLI, A.B., 1948
 VICTORIA LUCILE LARSON, A.B., Lake Forest College, 1946
 STEPHEN AUGUST LARUSSA, A.B., Illinois College, 1937
 CAROLINE NAOMI LIPPS, B.S., Bradley University, 1944
 ELIZABETH JONES MACKEY, A.B., Hillsdale College, 1943
 JAMES CHARLES McMAHON, B.S., 1948
 SHIRLEY LOU MERSHON, A.B., Aurora College, 1942
 ROBERT McKEE NELSON, B.S., 1948
 WILBUR RICHARD OLDHAM, A.B., Earlham College, 1941
 KENNETH PAUL PARKER, B.S., 1943
 JOHN WILLIAM PATTON, A.B., 1942
 DORIS ALLENE PIERCY, B.S., 1942
 McCLENDA JONES POLLARD, A.B., Shaw University, 1942
 LOIS LAVONE ROMIG, B.S., 1942
 JEANNE KATHERINE SALZER, A.B., B.S.(L.S.), University of Missouri, 1943
 HAROLD LEE SANDERS, B.Ed., Southern Illinois University, 1939
 HERSCHEL ADOLPHUS SCHERMERHORN, A.B., A.M., Baylor University, 1937, 1947
 ROSANNA SHANKS, A.B., MacMurray College for Women, 1946
 DAROLD LEE SHUTT, A.B., 1943
 ENOS CLARENDON SMITH, A.B., Illinois College, 1934
 LEONARD RICHARD STACHURA, A.B., St. Ambrose College, 1945
 MABEL LORAIN STONEY, A.B., Johnson C. Smith University, 1948
 ALEXANDER ENDICOTT STRAWN, A.B., Lincoln University, 1948
 GLENN EDWARD SUNDERMAN, B.Ed., Eastern Illinois State College, 1939
 LOUISE MARIE THOMPSON, B.Ed., Superior State College, 1942
 BILLY EARVEY WETZEL, B.S., 1934
 MARION LOUIS WILEY, B.Ed., Southern Illinois University, 1938
 JANE PATRICIA WILSON, A.B., 1948
 EDMUND JOHN ZEHR, A.B., Illinois Wesleyan University, 1943

In English

- KENNETH CHISHOLM BENNETT, JR., A.B., University of Wisconsin, 1947
 GLORIA LOGAN CAPLE, A.B., LeMoyne College, 1946
 ROY ALLEN CHERRY, B.S., Northwestern University, 1948
 RUTH CERKEL ESSERMAN, B.S., 1948
 LESTER HELLER, A.B., 1947
 MARIA ELIZABETH KEEN, A.B., University of Chicago, 1941

In Entomology

- JOHN McMASTER WRIGHT, A.B., University of Utah, 1939

In French

- MILDRED CLAIRE SWINT, A.B., San Diego State College, 1938

In German

ROBERT RALPH ANDERSON, A.B., University of Missouri, 1947
BERLE ELAINE GARRETT, A.B., 1948

In History

ROBERT WILLIAM CRYDER, A.B., 1948
JOHN EDGAR KEPHART, A.B., Wheaton College, 1948
MANNIE ASIA LOWERY, JR., A.B., Howard University, 1943
MADALYN OLIVE MAXWELL, B.S., 1947
AMOS CALVIN MILLER, A.B., Oberlin College, 1947
CECIL LEROY MORRIS, A.B., McKendree College, 1941; B.D., Eden Theological Seminary, 1946
ELSIE ELLEN REYNOLDS, A.B., Hofstra College, 1948
LOUIS WALLS SHROYER, III, A.B., Washington and Lee University, 1948
FERN MARIE WATSON, B.Ed., Illinois State Normal University, 1940
SYLVIA CHIA-LUN YIN, A.B., St. John's University, 1944

In Home Economics

OLIVE JORSTAD HOLLIDAY, A.B., Iowa State Teachers College, 1947

In Labor and Industrial Relations

IRVING ISAAK RAINES, A.B., 1942
JAMES WILLIAM SHANKS, A.B., Pennsylvania State College, 1947
JOHN HENRY SMITH, B.S., 1948

In Mathematics

GEORGE HENRY DEMERS, A.B., 1948
WILLIAM ALVIN HOWARD, A.B., University of British Columbia, 1948
THOMAS JAMES MCNAMARA, A.B., Park College, 1947
JEAN ELAINE SAMMET, A.B., Mt. Holyoke College, 1948
JOHN ELDON WHITESITT, A.B., Montana State University, 1943

In Philosophy

HASKELL FAIN, B.S., 1948

In Physics

CHARLES PALMER BEAN, A.B., University of Buffalo, 1947
THOMAS NOLEN MORGAN, A.B., Oberlin College, 1948
LAWRENCE THOMPSON ZIMMER, A.B., Williams College, 1943

In Political Science

TWILEY WENDELL BARKER, JR., A.B., Southern University and Agricultural and Mechanical College, 1948
WILLIAM JOSEPH BLOCK, B.S., Eastern Illinois State College, 1948
CATHERINE SULLIVAN GRIGOROFF, A.B., Southern Illinois University, 1948
WILLIAM CURTIS HISE, A.B., 1948
ALICE FRITSCHLE KENNEDY, A.B., A.M., 1925, 1929
THOMAS GOLMAN ROADY, JR., A.B., J.D., 1940, 1948

In Psychology

BYRON EGBERT FULK, B.S., 1946
LEVARL MERLE GUSTAFSON, A.B., 1947
ALFRED PHILLIP LASKER, A.B., Roosevelt College, 1947
RUSSELL VARNELLE MAY, JR., A.B., 1948
ROBERT JAMES SCHREIBER, A.B., 1948
BABETTE TWAITE, B.S., 1937

In Social Science

THOMAS CARROLL BLOOMER, A.B., 1948
JOHN DAVID DICKMAN, B.S., Illinois State Normal University, 1946
FRED BERNARD JOHNSON, A.B., 1948
WILLIAM CRANDALL THAL, B.S., Valley City State Teachers College, 1947

In Sociology

JACK VINCENT BUERKLE, B.S., 1948

ROBERT HENDERSON SMITH, A.B., Southern University and Agricultural and Mechanical College, 1947

In Spanish

WALTER BORENSTEIN, B.S., 1948

ADELE JACQUELINE KIESELE, A.B., 1947

In Speech

HENRY PAUL CAYWOOD, A.B., Evansville College, 1945

NORMA DEL DIEDRICH, A.B., 1947

JOHAN ROSS DONALD, A.B., 1948

DIETRICH ARNO HILL, B.S., 1948

MARY ELIZABETH HOMRIGHOUS, A.B., 1947

MARY PATRICIA LAUCHNER, A.B., 1948

MARVIN WILLIAM ROBINSON, A.B., 1948

In the Teaching of English

ENID MARTELL OLSON, A.B., Gustavus Adolphus College, 1940

In the Teaching of Latin

MARY SWAN BAKER, A.B., University of Saskatchewan, 1935

In the Teaching of Mathematics

GENEVIEVE ROSE SABATINI, A.B., New York State College, 1946

In the Teaching of the Social Studies

JAMES MARTIN DOERR, A.B., 1948

ROBERT GENE HUGHES, A.B., 1948

JOYCE LANGE MANNING, B.S., 1948

In the Teaching of Spanish

. ROSE MARIE MCCORMICK, B.S., 1947

Degree of Master of Science*In Accountancy*

RAMZY KHALIL RIZK, A.B. (Soc. Sci.), A.B. (Ed.), American University (Cairo), 1942, 1944

In Agricultural Economics

JOHN ADDINGTON DAWSON, B.S., McGill University, 1947

HARRY OLIVER DOTY, JR., B.S., 1947

GEORGE ERIC LAMMING, B.S., University of London, 1947

THADDEUS JOSEPH OBAL, B.S., 1948

RALPH DONALD TOMPKIN, B.S., Iowa State College, 1947

DONALD BIRTALL WILLIAMS, B.S., Sydney University, 1943; B.Com., Melbourne University, 1947

In Agronomy

ANSON RABB BERTRAND, B.S., Agricultural and Mechanical College of Texas, 1947

FREDERICK WALKER CLINE, B.S., 1948

CHARLES ADDISON GUY DUNCAN, B.S., 1936

ARVIN RUDOLPH HILST, B.S., 1948

WALTER O'DANIEL SCOTT, B.S., Kansas State College of Agriculture and Applied Science, 1939

HOLLIS DELTON STEARNS, B.S., Langston University, 1948

In Animal Nutrition

LUCILE SHANNON DEKKER-VAN GHYL, B.S., Johns Hopkins University, 1937

HOWARD LEROY SCHILT, B.S., 1947

In Animal Science

DAVID FRANKLIN BYRNE, B.S., 1948
JAMES VERNE CRAIG, B.S., 1948
ROBERT EDWIN MEYER, B.S., 1948
MARSHALL ALLEN MOHLER, B.S., Purdue University, 1948
CLINTON REA GWYNNE SMITH, B.S., Northwestern University, 1943

In Architectural Engineering

HERBERT ROGER SHAFFER, B.S., 1947, 1948

In Architecture

GLENN CLARK BARNGROVER, B.S., Kansas State College, 1944
CHI-KWAN CHEN, A.B., National Central University, 1944
DAWSON CHUANG, B.F.A., Hangchow Christian College, 1945; B.Arch., Miami University, 1947
TUN-HOU TSAI, B.S., National Central University, 1946

In Bacteriology

ELIZABETH JEAN BOND, B.S., 1948
MARGARET KRAMER CRAWFORD, B.S., 1948
LORETTA MAE FATLAND, B.S., 1947
JOSYANE GREISCH, Diploma de Laborantine, University of Geneve, 1947
MARY EVELYN HARRIS, B.S., University of Oklahoma, 1942
REGINALD KENDALL, B.S., 1948
LAWRENCE KIVIAT, B.S., College of the City of New York, 1948
JUNE BERNICE NEUMANN, A.B., 1942
NUTULAPATY UMAMAHESWARA RAO, B.S., Benares Hindu University, 1946
NORMAN GILBERT ROTH, B.S., University of Chicago, 1947

In Biological Science

GILBERT GRAHAM, A.B., New York University, 1948
MERLE JOHN WURTH, B.S., Illinois State Normal University, 1948

In Botany

RICHARD KEITH BENJAMIN, B.S., 1947

In Ceramic Engineering

JAMES HUESTON HEALY, B.S., 1944
LOUIS RALPH MCCREIGHT, B.S., 1946
HAROLD GENE SOWMAN, B.S., 1948

In Ceramics

VED PRAKASH MAHESHWARY, A.B., Hindu Sabha College, 1943; B.S., College of Technology, 1946

In Chemical Engineering

ROGER EARL ECKERT, B.S., Princeton University, 1948

In Chemistry

EUGENE P. BERTIN, JR., B.S., 1948
HARRIETT VIRGINIA BERTOGLIO, A.B., MacMurray College for Women, 1948
RICHARD LEE DALTON, A.B., Central College, 1948
ROBERT LINCOLN FOSTER, B.S., Monmouth College, 1948
ANDREW JULIAN FRANK, B.S., 1948
HENRY ZUCKERT FRIEDLANDER, A.B., Oberlin College, 1948
JOSEPH ALLEN FULLER, JR., B.S., University of Wichita, 1948
JACK MEALEY GILLETTE, B.S., Bradley University, 1947
CHARLES FRANCIS GILMAN, A.B., George Washington University, 1948
DONALD PAUL HALLADA, B.S., University of Wisconsin, 1948
RICHARD JASON HELLMANN, B.S., University of Wisconsin, 1948

WILLIAM LEE JOLLY, B.S., 1948
 SEEMON HAYDEN PINES, B.S., Lehigh University, 1948
 ROGER WILLIAM ROESKE, A.B., University of Wisconsin, 1948
 HORST GERHARD SCHNEIDER, B.S., Marquette University, 1946
 ROBERT CLAIR SENTZ, B.S., Bucknell College, 1948
 GEORGE PHILLIP SPERANZA, B.S., Southern Methodist University, 1948
 JANE ELIZABETH TWIST, A.B., University of Wisconsin, 1948
 KATHARINE ROMMELL WEIDMAN, A.B., Cornell University, 1948
 WILLIAM ARTHUR ZIEGLER, A.B., 1948

In City Planning

HOWARD WILLIAM BORCHARDT, B.S., Kansas State College of Agriculture and Applied Science, 1948
 YU-LING SHEN, A.B., Hangchow Christian College, 1943; M.S., 1948

In Civil Engineering

JOSEPH HAYNE APPLETON, B.C.E., Alabama Polytechnic Institute, 1947
 ERTUGRUL BERKSUN, B.S., Robert College, 1947
 MACIT AHMET CAYCI, B.S., Alabama Polytechnic Institute, 1947
 TSZE-TE CHEN, B.S., Tung-Chi University, 1941
 HERBERT YUAN-SHING CHU, B.S., Ta-Tung University, 1948
 ROBERT BRUCE CODLING, B.S., United States Military Academy, 1944
 ELLIS DANNER, B.S., 1930
 ASHBY TRICE GIBBONS, JR., B.C.E., Georgia School of Technology, 1948
 MARVIN LEROY JACOBS, B.S., United States Military Academy, 1940
 HENDRYX WOODROW JOHANSEN, B.S., B.C.E., University of Alaska, 1940
 LAWRENCE JOHN KLIMA, B.S., United States Military Academy, 1945
 CHU-YUAN KU, B.S., Aurora University, 1940
 MONOR COLLINS MABRY, B.S., United States Military Academy, 1945
 ROBERT DALE MAHAN, B.S., 1947
 SAMUEL WILLIAMS PINNELL, B.S., United States Military Academy, 1943
 CARLOS ESCALANTE PORTAS, C.E., National University of Mexico, 1942
 BILLY CHARLES REED, B.S., 1948
 ROGER LEE RUSSELL, JR., B.S., United States Military Academy, 1942
 ROY ALEXANDER SANDERS, B.S., United States Military Academy, 1943
 JOHN JAMES TKACIK, B.S., United States Military Academy, 1944
 MAX CAMPBELL TYLER, B.S., United States Military Academy, 1941
 JESS PAUL UNGER, B.S., United States Military Academy, 1941
 JAMES TODD WHITE, JR., B.S., United States Military Academy, 1944

In Clinical Psychology

JAMES EDWARD MABRY, B.S., 1947
 GEORGE LAFAYETTE WATSON, B.S., 1947

In Dairy Production

SHELDEN FELDMAN, B.S., 1948

In Dairy Technology

VERNON LEE PORTER, B.S., 1940

In Economics

HARVEY CHARLES BUNKE, B.S., 1947
 LAWRENCE VINCENT CONWAY, B.S., 1947
 THOMAS JOSEPH FITZGERALD, JR., B.B.A., Manhattan College, 1947
 ROBERT DOIT FREELAND, A.B., 1948
 ARCHIBALD STUART HALL, B.S., 1947
 ARTHUR TSUNG-YUAN LOH, A.B., St. John's University, 1945
 TSUO CHOW MA, A.B., Kung Shang University, 1946
 ROBERT JOSEPH RUNDBACK, A.B., Brooklyn College, 1947
 HSIANG-CHIEN TANG, B.Com., Ta-Tung University, 1945

In Education

WILLIAM PETER ADAMS, B.S., 1948
 RICHARD CASIMIR AGACINSKI, B.S., Milwaukee State Teachers College, 1947
 MILFORD VOIGT ARNDT, B.S., Illinois State Normal University, 1946
 CATHERINE IRENE BAUNER, B.S., Western Illinois State College, 1948
 ROBERT WILLIAM BOKENKAMP, B.Ed., Eastern Illinois State College, 1943
 JOHN DEWEY BOYD, B.S., Alcorn Agricultural and Mechanical College, 1931
 RICHARD FULLER BOYLES, B.S., Northern Illinois State Teachers College, 1948
 DOROTHY MILLS CHEEK, B.S., Shaw University, 1946
 GEORGE DONAVON COIL, B.S., 1947
 DELBERT CRUZE COMPTON, B.S., Manchester College, 1939
 VAIL RALPH CORDELL, A.B., 1916
 VAIL ROBISON CORDELL, JR., A.B., 1941
 SEYMOUR CORENSEN, B.S., 1948
 FERNE CHRISTINE DALE, B.S., 1929
 KENNETH DONALD DIEHL, B.S., 1931
 HARRY DELMER DONAHEY, B.S., 1948
 MARY LUCILLE DOWNEN, B.Ed., Southern Illinois University, 1942
 RUBY WILEY DUFFY, A.B., Carthage College, 1925
 LEWIN JOSEPH ELLIOTT, B.S., Bradley University, 1937
 EFFIE CHANEY ERKMAN, B.S., Southern Illinois University, 1948
 ANN KRUSE FINGER, B.S., 1940
 GEORGE DAVID FLETCHER, B.S., 1948
 MARY JANE GEORGE, B.S., Illinois State Normal University, 1945
 PHILIP EDWIN GILL, B.S., 1934
 CLARA OLSON GORDY, A.B., 1947
 GERALD JOHN HASBARGEN, B.S., 1948
 OREN CORNELIUS HAWSE, B.S., 1948
 MARGARET MARY HEGGEMEIER, B.S., 1947
 SCOTTIE EUGENIA HERNDON, B.S., Louisville Municipal College, 1944
 EDWARD LeROY HILL, B.Ed., Northern Illinois State Teachers College, 1939
 CLARENCE WILLIAM HORRELL, B.Ed., Southern Illinois University, 1942
 WILLIAM HENRY JARVIS, JR., Ch.E., Rensselaer Polytechnic Institute, 1924
 ROSEMARY GAGE JERO, B.S., 1946
 EUGENE ROBERT KACZMAREK, B.S., 1948
 FLOYD OLIN KING, B.S., Illinois State Normal University, 1946
 MARILYN CALMES LINK, B.S., New York University, 1946
 ROBERT ALEXANDER LYONS, B.Ed., Superior State Teachers College, 1939
 BERTHA LENA MALZAHN, B.S., 1941
 EDWARD RUSSELL MARSHALL, B.Ed., Northern Illinois State Teachers College, 1938
 JOHN WILLIAM MCCORMICK, A.B., William Penn College, 1936
 JOSEPH ALBERT MORIN, B.S., North Central College, 1939
 MABEL CAMERON MURPHY, B.S., Mississippi Delta State Teachers College, 1939
 ORVILLE RAYMOND NETTLESHIP, B.Ed., Illinois State Normal University, 1940
 BURL WOOD PANKEY, B.Ed., Eastern Illinois State College, 1941
 ALLEN LEE PEEK, B.S., 1947
 MILDRED ELIZABETH PERKINS, B.Ed., Northern Illinois State Teachers College, 1937
 OTTO JOHN PIHERA, B.S., 1948
 TOMI TINSLEY PLUMMER, B.S., Virginia State College, 1941
 GRACE ELIZABETH POSTLEWAIT, B.S., Western Illinois State College, 1944
 JAMES WALTER RATTEN, B.S., Eureka College, 1932
 DAVID MELVIN READ, B.Ed., Illinois State Normal University, 1939
 JOHN HENRY ROSS, JR., B.S., Langston University, 1946
 ISHMAEL ELMO RUBY, B.S., 1945
 JOSEPH BOUCK SENTENEY, B.Ed., Eastern Illinois State College, 1939
 ENOLA ENID SHEARER, B.Ed., Illinois State Normal University, 1933
 CHARLENE HIGGINSON SHIELDS, B.S., Eastern Illinois State College, 1944
 PEARL BARNETT SISK, B.S., 1935
 WALTER MONROE SOICE, III, B.S., 1947
 MILO BENJAMIN WATSON, B.S., 1941

EUGENE SEIBERT WOOD, B.S., 1947
MARTHA LOU ZEARING, B.S., 1942
JOSEPH WENDELL ZIMMERMAN, B.S., 1948

In Electrical Engineering

ALBERT MARTON BACALAR, B.S., Washington University, 1948
LAWRENCE EDWARD BRENNAN, B.S., 1948
PHILIP MAURICE DADANT, B.S., 1948
MURLIDHAR VINAYAK DESHPANDE, B.E., College of Engineering (Poona), 1937;
B.E., University of Bombay, 1937
PAUL RAYMOND EGBERT, B.S., 1936
JOHN URBAN JEFFRIES, B.S., 1945
CHI-LUNG KANG, B.S., Chiao Tung University, 1945; M.S., 1948
CLARENCE KARAN, B.S., 1943
JAMES SANFORD STEPHENSON KERR, B.A.Sc., University of British Columbia, 1948
EDWARD ALFRED KROENCKE, JR., B.E.E., Ohio State University, 1948
ISRAEL ARNOLD LESK, B.S., University of Alberta, 1948
YUEN-TZE LO, B.E., National Southwest Associated University, 1942
CHESTER GODFREY LOB, B.E., Tulane University, 1946
ROBERT MARTIN MATTISON, Graduate, United States Air Force Institute of Technology, 1948
RICHARD CURRY McADAM, B.S., United States Military Academy, 1943
KENNETH ALLEN MCCOLLOM, B.S., Oklahoma Agricultural and Mechanical College, 1948
RICHARD DAVID McCORD, B.S., United States Military Academy, 1943
ROBERT MATTHEWS NOONAN, Graduate, United States Air Force Institute of Technology, 1948
LOUIS KALLMAN POLLEN, B.S., 1947
MARTIN JOHN PRUCHA, JR., B.S., 1948
IRVING RESNICK, B.S., Pennsylvania State College, 1947
ROBERT CHARLES SCHNEIDER, B.S., 1948
THEODORE SHAPIN, JR., B.S., Illinois Institute of Technology, 1948
LIONEL SHUB, B.S., Illinois Institute of Technology, 1948
ARTHUR FRANK SPERO, B.S., University of Texas, 1940
ALAN DURYEA SUTHERLAND, B.E.E., Cornell University, 1946
JAMES BUCKLEY TAPP, Graduate, United States Air Force Institute of Technology, 1948
SHIH-PAI TUNG, B.C.E., Hangchow Christian College, 1942; B.E.E., National Southwest Associated University, 1946
LING YUN WEI, B.S., National Northwestern College of Engineering, 1942; M.S., Chiao Tung University, 1946
WALTER WELKOWITZ, B.S., Cooper Union, 1948
HARRY ELLSWORTH WILLIAMS, JR., B.S., 1948
JAMES YETOW WONG, B.S., University of Manitoba, 1948

In Entomology

GLENN EUGENE PRINTY, B.S., 1944
SELWYN S. ROBACK, B.S., Cornell University, 1948
ROBERT HARRY SCHIFFMAN, B.S., 1947

In Geography

LOREN FREEMAN BOATMAN, B.S., Southern Illinois University, 1947

In Geology

EDWARD LAMBLIN DILLON, B.S., 1947
JOHN MELVIN HENTON, JR., B.S., 1948
ERNEST HATHAWAY MULLER, A.B., Wooster College, 1947
WILLIAM ARTHUR OESTERLING, A.B., 1943
ROBERT MONROE STEPHENS, B.S., 1948
WARREN LEROY TAYLOR, B.S., Kansas State College, 1947
WALTER RICHARD ZIEBELL, B.S., 1943

In Home Economics

BERTHA JEAN KINNEAR BERGER, B.S., 1942
 MARTHA LOUISE EDWARDS BUEKLE, B.S., Winthrop College, 1944
 JEAN ARCHER CRAIG, B.S., 1947
 SADIE WHITE TAYLOR, B.S., Guilford College, 1943
 HELEN DREW TURNER, B.S., 1932
 MARION SKINNER WALKER, B.S., University of Alabama, 1947

In Horticulture

TORU ARISUMI, B.S., University of Hawaii, 1947
 HERBERT CARROLL BARRETT, B.S., 1948
 MAHMOUD ABDEL RAOUF TAYEL, B.S., Fouad I University, 1938

In Journalism

GEORGE ARTHUR EISENHUTH, B.S., 1948
 RONALD RAYMOND FETT, A.B., University of North Dakota, 1948
 CHARLES WILLIAM REENE, B.S., 1948
 ELMER GRIFFITH SULZER, A.B., DePauw University, 1925
 GEORGE FOX THOMA, B.S., 1948
 ROBERT BENNING WENTWORTH, B.S., Northeastern University, 1935; Ed.M., Boston University, 1936

In Library Science

HULDA MAE BERG, B.S., Kansas State Teachers College, 1947
 CHRISTINE LUCILLE BUDER, A.B., Culver-Stockton College, 1948
 KARL OTTO BURG, A.B., Roosevelt College, 1948
 MO-LING HWANG CHEN, A.B., Ginling College, 1944
 MARGARET SUSAN CRIGHTON, A.B., Southwest Missouri State College, 1931; B.S.(L.S.), Western Reserve University, 1932
 DOROTHY KATHLEEN EADS, A.B., 1948
 BERNARD IVES GILL, A.B., 1943
 JACK HOWARD GOODWIN, A.B., Olivet Nazarene College, 1948
 NAOMI RUTH HOLLOWAY, A.B., Municipal University of Wichita, 1945
 DOROTHY MARIE HOVDE, A.B., University of Minnesota, 1934; B.Mus., Northwestern University, 1939; B.S.(L.S.), 1944
 MARTHA HUPP, B.S., University of Missouri, 1943
 ALICE MARIE MARTIN, A.B., Monmouth College, 1931; A.M., 1932
 MARIETTA RUTH METCALF, A.B., Indiana University, 1946
 CLARA GRACE PRENTICE, A.B., Walla Walla College, 1947
 BETTY ERB RICHARDSON, A.B., Butler University, 1947
 CARRIE COLEMAN ROBINSON, A.B., Tougaloo College, 1931; B.S.(L.S.), Hampton Institute, 1932
 RUTH HUMISTON ROCKWOOD, A.B., Wellesley College, 1927
 SUSAN A. SCHULTZ, B.S., 1946
 EDNA DONALDSON SHIPLEY, B.Ed., Eastern Illinois State College, 1937
 MARGARET JANET TAYLOR, B.S., 1948
 MARGUERITE ROBINSON TUPPER, A.B., A.M., 1932, 1942
 ROY NELSON VAN NOTE, B.Ed., Eastern Illinois State College, 1939; A.B.(L.S.), University of Michigan, 1946
 JOSEPH WILLIAM VIVIANO, Ph.B., Loyola University, 1948
 ELIZABETH ANNA WAKENHUT, A.B., University of Kansas, 1947
 JANE WHITE, A.B., University of Pittsburgh, 1947

In Management

WILLIAM FRANKLIN DUNN, B.S., 1947
 AHMET SECI EDIN, A.B., Robert College, 1947
 HOWARD LEROY KING, B.S., 1948
 FLOYD McCALL MAUPIN, B.S., 1948
 BURTON CONRAD PERSON, B.S., 1947
 WADE PARKE SEWELL, B.S., 1947
 ROBERT ANTHONY STALLMANN, B.S., Western Illinois State College, 1948
 LUKE JEROME VORTMAN, B.S., 1947

In Marketing

MATTHEW ANTONIO, B.S., 1948
ROBERT SPENCER HANCOCK, B.S., North Central College, 1947
WILLIAM EDWARD KERRIGAN, A.B., Cornell College, 1948
BILL REID MOECKEL, B.S., 1948
JOSEPH WILMER THOMPSON, B.S., 1948

In Mathematics

GEORGE TRUETT CATES, B.S., East Texas State Teachers College, 1947
EDWIN RICHARD DUNKLE, JR., B.S., 1948
JAMES RICHARD GILLAN, B.S., 1948
WILLIAM HOWELL GREGORY, B.S., 1948
GEORGE FREDERICK MAURER, B.S., 1948
ALLEN IVES ORMSBEE, B.S., 1946
PAUL ROBERT PEABODY, B.S., 1948
NATHAN HENRY ROCHMES, A.B., University of Minnesota, 1947
CHARLENE MILDRED SPRANKEL, B.S., Southern Illinois University, 1947
JOHN GEORGE WOZENCRAFT, B.Ed., Eastern Illinois State College, 1942

In Mechanical Engineering

ROBERT EUGENE AHERN, B.S., 1946
HENRY STANLEY BIENIECKI, B.S., 1948
SHIH-NGANG CHIANG, B.S., National Wu-han University, 1944
SAHIR MEHMET ERISPAHA, B.S., 1948
WARREN RUSSELL HEDRICK, B.S., 1948
BRUCE ALLERTON HERTIG, B.S., Columbia University, 1946
TZU-CHUEN HUANG, B.S., National Chiao Tung University, 1946
CLARENCE HARVEY McCLAY, B.S., 1943
RAYMOND NEIL McDONALD, B.S., University of Colorado, 1936
GEORGE ALBIN POLK, B.S., 1947
WILLIAM MATTHEW SCHULTZ, B.S., 1946
THEODORE LOUIS TOWNE, B.S., 1948
ANDREW GRANT WILSON, B.E., University of Saskatchewan, 1946
TI YEN, B.S., Chiao-Tung University, 1944

In Metallurgical Engineering

GEORGE MORTON SINCLAIR, B.S., 1948

In Music Education

CHARLES LOUIS BERGLAND, JR., B.S., 1948
ELIZABETH MARIE BOND, B.S., 1948
JANIE ALYCE CRAWFORD CHRIST, B.Mus., Eastman School of Music, 1946
WARREN HENRY SCHUETZ, B.S., 1948
ROBERT MELVIN SIMMERGREN, B.S., 1948

In Physical Education

LAVERGNE ANN BERGMAN, B.S., 1944
JAMES LOWELL BREEN, B.S., Eastern Illinois State College, 1948
CARL EDWARD GRAD, B.S., 1948
EDWARD HARDY, JR., A.B., 1938
LAWRENCE RUSSELL HERKIMER, B.S., Southern Methodist University, 1948
AUDREY EUBANKS LEWIS, B.S., 1944
ERNEST DENZIL MICHAEL, JR., B.S., Purdue University, 1947
EDWARD RICHARD REUTER, B.S., Washington State College, 1948

In Physics

JOHN SANBORN BLAIR, B.S., Yale University, 1943
LIANG CHANG, B.S., National Peking University, 1933
FRASER SCHOLFIELD GRANT, A.B., University of Toronto, 1948
KAZUYUKI HIROSHIGE, B.S., University of Chicago, 1948; Ph.B., Loyola University, 1947

MALVIN HOWARD KALOS, B.S., Queens College, 1948
WALTER YONEO KATO, A.B., Haverford College, 1946
STUART PHINNEY LLOYD, B.S., University of Chicago, 1943
HARRY LUSTIG, B.S., College of the City of New York, 1948
SYDNEY MESHKOV, A.B., University of Pennsylvania, 1947
IRA PULLMAN, B.S., Columbia University, 1941
MERRILL BLOOD SCOTT, B.S., 1946
BENJAMIN SEGALL, B.S., Brooklyn College, 1948
LEE PALMER STEPHENSON, A.B., Fresno State College, 1947

In Physiology

EDWARD ROBERT ARQUILLA, B.S., Northern Illinois State Teachers College, 1947
ALVIN HENRY FREIMAN, A.B., New York University, 1947
ALLYN ELLSWORTH GILBERT, B.S., 1948

In Sanitary Engineering

HUGH HOLMES CONNOLLY, B.S., 1948
CLIFFORD MARION PARRISH, B.S., Texas Technological College, 1941
HJALMAR ST. PIERRE SUNDIN, B.S., Dartmouth College, 1946

In Speech Correction

HAZEL FLORA BOTHWELL, A.B., 1942
THOMAS CHRISTIAN ERIKSEN, B.S., 1948
EILEEN SHEPARD HILL, A.B., 1945
DOROTHY ALLISON HUNTINGTON, A.B., A.M., University of Colorado, 1943, 1944
GRACE HARRIETT SCHMUNK OLSON, A.B., 1946
MARGARET JEANETTE WATKINS, B.S., 1946

In the Teaching of Biological Science and General Science

SHIRLEY GOLDSTEIN BEYM, B.S., 1947
GARWOOD ABBOTT BRAUN, B.S., Eureka College, 1946

In the Teaching of Mathematics

JAMES JOHN HAVEL, B.S., 1948
WILLARD GLADE WARRINGTON, B.Ed., Western Illinois State College, 1941

In Theoretical and Applied Mechanics

ALFRED HARTMANN HAUSRATH, B.S., Iowa State College, 1947
WILLIAM MEREDITH OWEN, B.S., 1943

In Veterinary Pathology and Hygiene

NAMIK MEHMET BUHARALILAR, V.M., University of Ankara, 1941
JAMES EDDY PRIER, D.V.M., Cornell University, 1946
SAMUEL CONRAD SCHMITTLE, D.V.M., Ohio State University, 1947

In Vocational Agriculture

MARION FRANCIS WELLES, B.S., 1946

In Zoology

WILLIAM CLARENCE DOLOWY, B.S., 1948
HERMAN WILLIAM LEWIS, B.S., 1947
SAROSH DINSHAW MISTRY, B.S., M.S., University of Bombay, 1941, 1946
ROBERT WILLIAM REESE, B.S., 1947
BARNET HERMAN WEINSTEIN, B.S., College of the City of New York, 1948

Degree of Master of Fine Arts

In Art Education

CARLETON WILLIAM BRIGGS, B.F.A., 1941

In Art History

JANE FRANCES MCCALL, A.B., Mt. Holyoke College, 1947

Degree of Master of Music

HARRY JUNIOR GILLE, B.Mus., B.S., 1948
DELBERT ARTHUR GORANSON, B.S., 1947
MARY FRANCES JAMES, B.Mus., Oberlin Conservatory of Music, 1947
LUDWIG ERNST ZIRNER, B.Mus., 1946

COLLEGE OF LAW**Degree of Bachelor of Science***In Law*

RICHARD LEROY ACKMAN
WALTER EUGENE BILLERMAN
WILLIAM WEBB BLAIR
ARTHUR BRANTMAN
ROBERT LINUS BURNS
LIONEL EARLE CLARK
THOMAS PATRICK FITZMAURICE, JR.
CHARLES IVAN HOPKINS, JR., with Honors
MARY ELIZABETH HULL
KATHLEEN ELIZABETH KELLY
PAUL THOMAS KNOBLOCK
WILLIAM KOKONTIS
ERIC PAGE MCNAIR
EDWARD JOSEPH MURPHY
WILLIAM JAMES NEMANICH
CLARENCE LEE NICHOLS
ARTHUR MATTHEW PADELLA
WILLIAM CHARLES WELCH

Degree of Bachelor of Laws

RICHARD NORMAN BURGESS, A.B., 1946
IRWIN CANTOR
JAMES CLETUS CRAVEN, A.B., 1948
ERIC SULGRAVE DEMAR
MILTON ERNEST ECKER, A.B., 1946
STEVE MITCHELL FORREST, B.S., A.B., Southwestern Missouri State Teachers
College, 1945
ARTHUR ROBERT GOTTSCHALK
ROY OSCAR GULLEY, B.S., 1948
DEMETRIOS HASSAKIS, B.B.A., Tulane University, 1946
WILLIAM HENRY HASSE, B.S., 1947
JOHN CHARLES HAYES, A.B., 1943
RAY DAVID HENSON, B.S., 1947
ROBERT ROSS HILL, A.B., 1947
ROBERT SEYMOUR HILL, B.S., 1948
EVERETT GEORGE HOPSON, B.S., 1947
FRED DAVID JASMER, A.B., 1948
JULIAN JOHNSON, B.S., 1943
LOREN JOHN KABBES, B.S., 1947
DOROTHY JEANNE KELLEY, B.S., 1947
JOHN RICHARD KINSINGER, B.S., 1942
BURDETTE FRANK KIRKPATRICK, B.Ed., Western Illinois Teachers College, 1937
JEROME BERNARD KLOSE, B.S., 1947
JAMES RAYMOND KUHN, JR., B.S., 1948
J. C. MITCHELL
ROBERT STONE MONROE, B.S., 1947
ROBERT WARREN MORRISON
ERNEST HOWARD POOL, JR., A.B., 1947

LOUIS GILSTER RATHERT, A.B., 1946
 MORRIS RECKTOR
 CHARLES FRANK RENZ, B.S., 1943
 JOHN ROWLAND SCHNEBLY, A.B., 1947
 LOUIS EDWARD SIMHAUSER, B.S., 1942
 BILLY JAMES SLATER
 ROBERT LEWIS SNOOK, A.B., Western Michigan College of Education, 1945
 JOHN ALEXANDER STROM, A.B., 1946
 JAMES MORDICA THORP, B.S., 1948
 RICHARD THOMAS WHITLEY
 HUBERT WARREN WOODRUFF
 HARRY ROSS WORKMAN, B.S., 1948
 IVAN LEE YONTZ, A.B., Illinois Wesleyan University, 1943

Degree of Doctor of Law

PAUL LOUIS FRETER, B.S., 1947
 ROBERT HOLLIS MILLER, B.N.S., B.S., Purdue University, 1946; with Honors
 THEODORE ROOSEVELT SCOTT, JR., A.B., 1947
 ROBERT SHANKLIN WHAM, A.B., 1947

LIBRARY SCHOOL

Degree of Bachelor of Science

In Library Science

HELEN SARAH SOFFER

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

WILLIAM MORTON ABBOTT	CHARLES LYNN COULTAS, with High Honors
RAYMOND HAROLD ALDERSON	JEWELUS CRAIG
JOHN HORACE ALLAMAN, with Highest Honors	JOSEPH LEE DEGULIE
RICHARD FRANCIS ALLEN	EDWARD CORNELIOUS DILLEY
JOHN AMMON, JR., with High Honors	WILLARD MILO DILLON, JR.
EDWARD CAROL ANDERSON	CARROLL CHRIS DOLL
DALE EDMAN BAIRD	JESSE MURRY DOWELL, JR., with Highest Honors
EUGENE PAULE BARNS, with Highest Honors	JOHN CURT EISENMAYER
ROBERT CHARLES BAURER	RONALD LEROY ELLIOTT, with Highest Honors
DONALD B. BAXTER	JEREMIAH FAIN EPSTEIN
KENNETH LEON BAXTER	EDWIN WHERRITT FOUTCH
THOMAS EDWARD BOSWELL, JR.	JOHN EDWARD FUCIK, with Honors
RICHARD EUGENE BOWLING	WENDELL CHURCHILL FUNK
ROBERT ERNEST BRANDES	LOWELL EUGENE GARDNER
ANTON ALBERT BRAZES, with Honors	PHILIP JAMES GARINGER
WARREN WAYNE BUNDY	HAROLD HARRISON HARDIN, with High Honors
ROLLIN ARTHUR BUSSE	WILLIAM DANFORTH HAVEN, with Honors
CLIFFORD ROLEN BUTLER, with Honors	HOWARD CLIFFORD HEATON, with Honors
DONALD JOSEPH CARREN	HOWARD RAYMOND HEDTKE
JAMES DOMINIC CASTAGNO	ROBERT JACOB HEMP, with High Honors
RAY ARCHIE CHALLACOMBE	WILLIAM HOWARD HENEBERRY, with High Honors
FLOYD FRANKLIN CLARK, JR., with Highest Honors	
JOHN ELDON COBB	
KENNETH JAMES CONDIT	
THOMAS JOSEPH CORCORAN, with Honors	

HERSHEL LEON HILL
 ROYCE ARMAND HINTON, with Highest Honors
 THORSTON HAROLD HOLM, with Honors
 SHELDON CARL HOWERTER, with Highest Honors
 WAYNE DEE HOWSER
 CHARLES ADRIAN HUGHES, with Honors
 LESTER ERNEST JACOBS, with Highest Honors
 ALDON HOMAN JENSEN, with Honors
 GEORGE DONALD JOHNSON
 JOHN LOUIS KAUFMAN
 BYRON MAXWELL KELLEY
 BERNARD JOHN KIEL
 ROBERT LOUIS KIRCHNER
 JAMES ELWYN KUNTZ, with Highest Honors
 FRANKLIN DALE LAIBLE
 JOE PHILIP LANAN
 JOHN RICHARD LINSNER, with Honors
 WILLIAM STODDARD LIVINGSTON
 DONALD RICHARD LONG
 JOHN CHARLES LOSHBOUGH
 HERBERT WILLIAM LOVEKAMP
 JOHN WARNER MANGIS
 RICHARD JOHN MARTIN, with Highest Honors
 MARTIN HYLAN MATHESON
 ROBERT CECIL MATTHEWS
 CHARLES DONOVAN MCCUTCHAN
 MERLE MONROE MICENHEIMER
 LESLIE WAYNE MILLER
 JOHN ROBERT MORRIS
 EMIL CHRISTIAN MOSSER, Jr.
 RALPH EUGENE NEILL, with Honors
 RAY GEORGE OLMSTEAD
 DONALD BROWNING PHILLIPS
 THEODORE PIERCE, Jr., with Honors
 PAUL MAHLON POWELL
 EDGAR GUY PROTTSMAN

BENJAMIN ARTHUR RASMUSEN, with Highest Honors
 LOUIS CHRISTIAN REEB, with Honors
 RAYMOND NOLTE RENDLEMAN
 WARREN THOMAS ROBINSON, with Honors
 JAMES ALVIN ROGERS, with Highest Honors
 HARRY ARMOUR ROLAND, Jr., with Honors
 FRANK HENRY ROLF
 WILLARD GARDEN ROWLEY, with Highest Honors
 CHARLES WILBUR RUSSELL
 PAUL FREDERICK SALZMAN
 WAYNE ROY SANDERSON
 KEITH FRANCIS SCHERTZ, with Honors
 EDWARD FRANKLIN SCHRAMM
 DONALD LAVERGNE SHAVER, with Highest Honors
 DONALD WILLIAM SHUBERT
 DWIGHT LESTER SMITH
 JAMES EDWARD STAHL
 GEORGE DAVIS STEVENS
 GEORGE BEN STUBBLEFIELD
 CARL CECIL TIDWELL
 GEORGE LEON VAN LANINGHAM
 JOSEPH LUDWIG WABRAUSCHEK
 HARRY ROBERT WACK
 ROBERT KENT WALKER, with Honors
 KENNETH RAY WEBB, with Honors
 LAWRENCE PHILIP WEBER
 ALBERT JOHN WEITEKAMP
 DUANE FREITAG WENDEROTH
 JAMES RAY WILLIS
 CLIFFORD KEITH WILSON
 LAWRENCE TATE WITHERSPOON
 JAMES HERBERT WOLTER
 EDWIN HENRY WRIGHT
 CARL ARTHUR ZOGG, with High Honors
 ROBERT FRANKLIN ZOOK

In Dairy Technology

HOWARD JOSEPH DAILY
 RALPH SHELDON DEDRICK
 WILLIAM RAYMOND EYGABROAD, Jr.
 CHARLES ALFRED GROSCHÉ
 WILLIAM TROIT KIBLER, with Honors
 PAUL JOSEPH McCABE

ROBERT LEWIS NIBLACK
 DONALD RICHARD OLSON, with Honors
 JOHN SENN SOLDWEDEL, with Honors
 HARRY CHARLES WEIST
 ORVILLE OWEN WESTLAKE

In Floriculture

ORVILLE WARREN BUSSE, with Honors
 MARCUS RILEY COOPER, with Honors
 THOMAS PATRICK CUNNINGHAM
 KARL DONALD GLADSON

JOYCE KRELL, with Honors
 BARBARA JEAN SHADE
 GEORGE KENNETH WALKER

In Home Economics

PHYLLIS MARIE AMACHER
 MARY LUCILLE BEEDLE, with Honors
 SUSAN HALCOTT BRANDES
 SONYA KARLEN BRIM
 LOIS EILEEN BRUMITT
 ELAINE ANN CHUM
 MARY CAROLYN COAPSTICK

PATRICIA LOUISE ELLIS
 MARILYN LOUISE EWING
 LUCILLE CROSS FRENCH
 VIRGINIA MAE GITCHOFF, with Highest Honors
 PATRICIA ANN GREEN
 PHYLLIS LUCILLE GREENBERG

HELEN AUGUSTA HAMMER
PATRICIA ANNE HANFORD
ALICE KATHARINE JACOBSEN, with
Honors

BETTY MARIE JOHNSON
META MARIE KELLER
MARY LOUISE LASSWELL
MARY ROSE MCPHERSON, with Highest
Honors
BETTY LOU DUNNING MERWIN
BETTY LOU MICKEY
ELEANOR MARGUERITE MILLER
JEAN LOUISE NEESE

MARY LOU PEASLEY
DOROTHY LOUISE PETERSEN
MINERVA JANE ROE
VIRGINIA SHEEMOON
MARJORIE ANN STEWART
ELLEN MARIE STRECKER
JEAN ELIZABETH THOMSON
CHARLOTTE CLAIRE WALLACE
SARAH RITA WELHAM
KATHERINE ELIZABETH WHITE
WILLA IRENE WHITTON
CAROLYN WILDMAN, with Highest
Honors

In Home Economics Education

LILA JEANNE ATHEY, with Honors
DORIS LEILE BAITY, with Honors
LOLA MARIE BENWITZ
JESSIE KATHERYNE MCLUCKIE, with
High Honors

NORMA LOUISE MILLER
BETTY JEAN REYNOLDS
MARILYN FRANCIS SCHICKEDANZ
LILA LEE SPENCER, with Honors

In Vocational Agriculture

GRANT C. ADAMS, with Honors
MAX LEROY ATKINSON, with Honors
WARREN EDWIN BERNER
JOSEPH FREDRIC DE NARDO
HAROLD BENJAMIN ELLIOTT
JAMES RICHARD HERRMANN
FRANK EDWARD HINTON, with High
Honors
DONALD FRANCIS HOLSTON
ROBERT WILLIAM HOWARD
WILBUR THOMAS KELSEY, with High
Honors
JAMES NELSON KESSINGER

GEORGE EDWIN LOGAN
ROBERT STANLEY MCGEE
ROBERT FRANKLIN MULCH, with High
Honors
JOHN VINCENT MYERS
DOYLE DWIGHT NOBLE
KENNETH WAYNE PANKONIN
JOHN MORGAN SCHETTLER
CLIFFORD JOSEPH SICHTA
KEITH WAYNE VOGEN, with Honors
ROBERT WILLIAM WATERS
MAURICE LEE WATKINS, with Honors
LUCIEN DAVID WISE, with Honors

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical Engineering

CHARLES HENRY ANDERSON
HARRIS EKSTROM ANDERSON
WILLIAM HERMAN BARTHEL
EDGAR RUDOLPH BOURKE, II
HARRY EDWARD BURKE
LORIN DIXON CORLISS
DALE D. DAVIS, with High Honors
JAMES JOSEPH DONHAM
HENRY JOSEPH HIRTZER
RALPH FRANK KALAL
JOHN BRICE KENNEDY
CHARLES ALBERT LEASE
HOWARD BUFORD LIECHTY

HAROLD HARRY MEYER
JOSEPH WILLIAM MEYER, with Honors
FRANK HUGO MILLER
CARL OSCAR ORKILD
JAMES RICHARD PEARLS
JOHN CLYDE PITCAIRN
WILLARD EVERD RIPPER
LEONARD MORTON SALBERG
JOHN JULIEN SCHLOTMAN
JOHN MILTON SENNEFF
SIMON CHARLES SOMMER
WILLIAM RICHARD STEPHENS

In Agricultural Engineering

LAWRENCE A. BITTERMANN, JR.
WARREN SMICK HARRIS
EDWARD HARLAN HUNLEY, JR.
BENJAMIN ANGUS JONES, JR.
THOMAS MCLUCKIE, JR., with Honors
ROBERT GLEN MCMASTER

EARL LORENE MOSS, with Honors
DAN ALLAN PONDER
WALLACE JOHN SCHOENLEBER
RICHARD MERLE SHARP
FRANCIS EDWARD STEPHENS
FINCH STOWELL

In Ceramic Engineering

RICHARD NORMAN AMES
 BOB GEORGE BENDER
 MARTIN BERG, JR.
 CHARLES CAREY CURTIS, JR.
 ROBERT STEPHEN DEGENKOLB
 ROGER LEE FELLOWS, III
 ROBERT DEE FENITY
 CHARLES LUTHER FILLMORE
 LYNN EDWARD FUSSELL
 JOHN EDWARD GRIFFIN, JR.
 CHARLES EDWARD JANKE
 HERMAN RICHARD KLOCKNER

RALPH GLENN KRAFT, with Honors
 CHUN LEE
 WESLEY CHASE LUEKING
 GERALD LUTZ
 DON PARKER McADOO
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 NORMAN KEITH RUSSELL, with Honors
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IRVING WARSO
JOHN WESLEY WEAVER
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In Metallurgical Engineering

NORBERT BRUNO BLASKI
ROY MATTHEW BRODNICK
DANIEL ROBERT DEMETER
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VERLE BREWSTER UTZINGER

In Sanitary Engineering

WILLIAM ANDREWS PARSONS
JOHN ROBERT PETERSON

JOHN ANTHONY OSWALD VOEGTLE

COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

In Liberal Arts and Sciences

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MIRIAM LOUISE BAUER, with Honors in English
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JEANNE IRIS BEDERMAN
ROSS TAYLOR BELL, with Honors in Zoology
RUTH DORIS BENDER, with High Honors in Political Science
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JOANNE BRESEE
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LOIS JEAN BRUDER

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JOANN ELIZABETH BURT
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 JAMES DAVID FITZPATRICK
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 Honors in Humanities
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 DAVID JOHN VAUGHAN
 NANCY ANN VOLLRATH
 GEORGE HERBERT VROOMAN
 VIRGINIA JUNE WALKER
 SHIRLEY ANN WALLIN
 MARY LOU WALLING, with Highest
 Honors in Economics
 ARTTUS CRAIG WATERS
 DAVID LOUIS WATTERS
 WILLIAM CHARLES WEBER, JR.
 SALLY SYLVIA WEINER
 PAUL WEININGER
 WALTER FREDRICK WEISS
 KENNETH DOUGLAS WEITZEL
 EDITH MADELEN WELLS, with Highest
 Honors in English
 SUZANNE WHITE
 ROBERT CHRISTIAN WIEDRICH
 GEORGE ARTHUR WIEGAND
 BETTY LOUISE WILCOX
 MATHEW WILENSKY
 MARY ELAINE WILLE
 HUBERT CLYDE WILSON
 JUDITH CLEIN WITNEY
 BERTHA RYMAL WOOD
 BRUCE YEOULE, with Highest Honors
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 MARY ELIZABETH ZANNINI
 DOLORES ANN ZIEGLER

In the Teaching of English

ROSALEE THOMPSON BARNES
HERMINE GRATCH
EMILY JEAN HENSOLD
HELEN MOTKO JONES
MARJORIE ANN KNOCH

BETTY JO KORNEGGER
MARY KATHERINE KRAFT
ELOISE ST. CLAIR
ALFRED HIRAM SNAP

DOROTHY FERN PHILLIPS

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PEGGY JEAN BARRETT, with Honors
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RAYMOND WHITNEY EWELL
MILDRED EMILY GIZINSKI
JOAN MOODIE GLASCOCK
JOY ANN HISER, with High Honors
RICHARD EUGENE HOGAN
NEVA NELL HUDSON
WILLIS BIRCH INMAN, with Honors
DOROTHY DORCH JONES, with Highest Honors

ALICE CARROLL JORDAN, with Honors
EILEEN BARTELSTEIN KRAMER
MITCHELL JOSEPH O'BANNON
JACQUELINE ROSE SCHMIED
JAMES ALBERT SCHMITT, with Honors
JAMES STANLEY SCOTT, with Honors
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DONNA JEAN WILLIAMS

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RUTH LORRAINE HAFERMANN
ANNA KIENZLE HOWEY
LOIS LACY KITSCH
EVELYN ELAINE LARSON
MARY AGATHA MORWOOD

RICHARD WINSTON PRICE
ELAINE MARGARET REED
JUNE ANNE RUMERY
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JEANNETTE KOLP IVES

EVA DORIS ENGEL PRYMUSKI
PHYLLIS JEAN GATES SEEHAUSEN
DONNA JO SELLEG, with Highest Honors

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 WILBUR BAXTER TODD

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 PANG TSU WOO, with Highest Honors

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 FRED LLOYD AUD
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 EUGENE NOAH FOX
 WALTER EZRA FOX
 MELVIN DANIEL FRANK
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 LAWRENCE EARL FREEMAN
 DOLORES ELAINE FRIEDMAN
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 MARVIN EUGENE GOLD
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- RUTH GORMAN
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 LEONARD GRAIVIER
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 GERTRUDE GRUENWALD
 HELEN JEAN GURKOW
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 JULIEN ALFRED LABOW
 JANET KAY LARSON
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 MORTON LEVY
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 TOFIEL THOMAS LUKASIK
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 ROSELEN LORETTA MULCAHY
 WALLACE DALE MULLIKEN
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 DAVID SHAYMAN
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 ROBERT EUGENE SHROUT
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 ROBERT SIMON
 VICTOR ANTHONY SIMS
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 CLARKE STEIN
 MILTON LAWRENCE STEINHORN
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 LADDIE STRAUF, JR.
 RUTH ELIZABETH STUDENY
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 MARGUERITE P. VOLINI, with Honors
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 ABRAHAM WARSASKI
 STANLEY RAYMOND WEIDER
 BERNARD ROBERT WEINSTEIN
 ROSLYN WEINSTEIN
 EDWARD LOUIS WEISS
 MARTHA CORINNE WHITE
 RICHARD PENNER WIEBE
 RICHARD EUGENE WIENKE, with
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 EDWARD MAYER WITTERT
 MARSHALL N. WITZEL
 SEYMOUR WOLF, with High Honors
 in Psychology
 ROLLIN WALLACE WORKMAN, with
 High Honors in Physics
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 NATHALIA YOUNG
 STANLEY ZAGOL
 WARREN BUD ZIBELMAN
 JULIAN IRVING ZINDER

In Speech Correction

MARJORIE ANN GETZ
 JEANNETTE LOUISE JEFFERSON, with
 Honors
 NORMA RUTH KLEINMAN
 ELEANOR JANE LANG
 AMELIA JANE LEWIS
 ANNETTE MAE LEWIS
 BARBARA JUVINALL LUSK, with High
 Honors

BARBARA ANN MILLER, with Honors
 SHIRLEY ETHEL MILSTEIN
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 Honors
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 JANICE NATALIE SKELTON
 MEDANELL SPINDEL
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In the Teaching of Biological Sciences and General Science

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WILLIAM JOHN WATSON

In the Teaching of Geography

WILLIAM ROBERT MUELLER

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 HOWARD GENE RUTAN
 HARRY EDWARD SMITH

MARY JANE LIVINGSTON WILLIAMS,
 with Honors

In the Teaching of Mathematics and the Physical Sciences

JOSEPH CANNON PAYNE

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

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 VESTA ELIZABETH ANDERSON
 SYLVIA JANE ANDREWS

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 EDWARD BIENIECKI

JESSE CALVIN BLAIR
 LOIS DUNCAN BOHON, with Honors in Education
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 CHARLENE FORMAN BROWN
 JERRY METCALF BROWN
 EDWARD ALVIN BRUZAN
 BETTY BURSTEIN
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 ELVERA BONSALE COOPER
 VIRGINIA CAVINS CORZINE
 JEAN MARILYN CREIGHTON
 FERNE SCHOMBURG CROUSE
 VIRGINIA ADAMS DICKENSON
 MARY LOUISE DINSMORE
 VIRGINIA EWING DONOHO
 DOROTHY JEAN EHRHARDT, with Honors in Education
 DOROTHY LUISE ELLIS
 ROSEMARY EVANS
 LOUISTINE ELIZABETH FORD
 JACQUELYN FROST
 YVONNE LEE GARDNER
 HILDA PILKA GARMAN
 PEGGY JEANETTE GAY
 BARBARA JEANE GIVEN
 AUDREY LOIS GLASSBERG
 ROBERTA JO COALE GLICK
 ELAINE TAUBMAN GOTTMANN
 MARY FRANCES GRAHAM
 EVELYN AUDITHA GRIMES
 ALBERT LEANDER HALL, JR.
 MARY EMELIN HAMMONS
 BERYLE VIRGINIA HARRIS
 ERNESTYNE HOLLAND HARRISON
 HENRY FOLEY HARTRICH
 FRED ELOY HARVEY
 ANNOLA JANET HAWKINS
 ROBERT EUGENE HENDRICKS
 ENID SUNWALL HENNINGER
 DONALD RAYMOND HERRICK
 DWIGHT JOEL HUMPHREY
 PATRICIA WULLIMAN HUNT
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 DAVID JONES
 SALOME RUTH JORDAN
 NANCY RAE KELLEY
 MARGARET FOSTER KNOX
 JOYCE NATALIE KRUEGER
 JANE WALKER KURRUS, with Honors in Education
 BRACE HARVEY LAMBERT, with Honors in Education
 BARBARA KORTUM LARSEN

MARGARET JEANNE LARSON, with Honors in Education
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 JO ANN MARKEE
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 MARY FRANCES MCGINNIS
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 RUTH ELLEN MEDENDORP
 WILBUR SCOTT MENTZER
 ELIZABETH MINE
 DELILAH ALBERTA NEWELL
 JOYCE FRANCES NICOLAI
 JOE MURDAUGH OBLANDER
 VIRGINIA MARION OLIN
 DONALD WAYNE OMMEN
 RUTH JANET PARETT
 MARY LEE PETTY
 MARTIN LAVAGHN PINKSTAFF
 ALICE MAE PROFROCK
 FRAYDA JUNE RADNER, with Honors in Education
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 PATRICIA DICKASON RASMUSSEN
 GEORGE PAUL RICCIO
 MARIETTA RIPLEY
 MARILYN LESLIE RUDD
 BARBARA LOU SANDS
 JOANA JOYCE SAYLOR, with High Honors in Art
 FAYE LEVEY SCHWARTZ
 AGNES ANN SHAW
 PHYLLIS MARIE SHAW, with Honors in Education
 MAYA SHERMAN
 DONALD LEE SHUMAN, with Honors in Education
 MARJORIE MARIE SMITH
 SONIA RUTH SNYDER
 PATRICIA GRACE SPALDING
 MILDRED SPIEGEL
 PHYLLIS SPIEGEL
 IDA MAE THOMPSON
 KENNETH JAMES THORNTON
 PATRICIA ANN TOWERS
 LOUISE HESTERLY WALLS
 LOIS SIGNE WARNER
 MARY JEANNE WILKINS
 MARGARET LOUISE WILSON, with Honors in Education
 JOYCE OUIMETTE ZUCK, with Honors in Education

In the Education of the Deaf

BEVERLY JANE BENNETT
 PATRICIA JULIA CHAMPION
 TERRY BELL FEY

DOROTHY JEAN HENN
 BEVERLY ANN JACOBS
 GRACE CORYN ZIMRING

In the Education of Mentally Handicapped Children

LEATRICE DORIS WOLCOFF

THELMA BEVERLY ZUCKERMAN

In Industrial Education

MATTEO JOHN GUARINO
ELMER BOHUMIL KOSTKA
CHARLES LESLIE MCMILLIN
RICHARD FRANKLIN POWERS

JOHN EDWIN ROBERTSON
VERNON EDWIN STAHNKE
WILLIAM OLOF SWANSON

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

ROBERT WINN ANDERSON
LEONARD PATRICK ANDLER
DAVID HARRIS ASHE
LOREN EUGENE ASKINS
ROBERT CHARLES ASMUS
WALTER FLOYD BAILEY
BILLY LEE BAKER
RICHARD ELWELL BANISTER
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ABRAHAM BENDER
SEYMOUR BERNARD BIERMAN
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WALTER ROLAND BOWER, with Honors
WARREN THOMAS BRIDGEWATER, with Honors
DAVID EMERSON BROWN
EARL CECIL BROWN, with Honors
OWEN OTTO BRUMMET
KENNETH ALLYN BUNCHMAN
MARSHALL ELMER CARLSON
MELVIN EUGENE CARY
JAMES ROBERT CLANCY, with Honors
ELLSWORTH FRANKLIN CLARK
ELMER BOYD CLARK
CHARLES FRANK CLEMINS
RALPH ARTHUR CLINTON
JAMES LAWRENCE CONNELL, with Honors
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WILLIAM KENNETH CUDAH
PAUL WENDELL DANIELS
EVERETT DAVIS
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CARROLL DEAN ELDRENKAMP, with Honors
WILLIS BURGESS ELLIOTT
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CLYDE FRED FALK
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RALPH EDWARD FINKLER
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THOMAS MARTIN HEMSTREET, with Honors
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EDWARD DAVID HIGGINS
ROBERT JOHN HOFFMAN, with Honors
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KREEL WAYNE KASSERMAN, with Honors
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ARMAND IRWIN LOFCHIE
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GUY MCCUNE, with Honors
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EUGENE MARVIN MILLARD
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 CARL LEWIS PETERSON, with Honors
 LEROY ELLSWORTH PETERSON
 ROBERT ARTHUR PITTMAN
 SHIRLEY POHN, with Honors
 WALTER MILAN PUTNICK
 RODNEY VANCE RANNEY
 CARL GLENN REICHERT
 CHARLES ALLEN RHOADS
 JOSEPH RICHARD JOHN RIBORDY
 ROBERT DEAN SCHAEFFER
 CLYDE SEIZ, JR.
 EUGENE RAY SHARPE
 KEITH LAVERNE SHAY, with Honors
 JOHN GEORGE SHOUB

WILLIAM HAROLD SKELTON
 CHESTER BERNHARDT SLOSBERG
 EUGENE JAY SOLAR
 ROBERT FRANKLIN STEVENS
 ALVIN HERBERT SWANSON, with Honors
 LLOYD LAVERNE THRASHER, Jr., with Honors
 HARVEY BRUCE VELDE
 LAURENCE JAMES WADE, Jr., with High Honors
 ROBERT LAWRENCE WAGNER
 EDWARD ERNIE WANNER
 ROBERT ARTHUR WARREN
 STANLEY KEITH WEBSTER
 IRMA LOUISE MARY WELKER
 WILLIAM MAURICE WELSH
 ARTHUR RAMER WYATT, with High Honors
 VERNON KENNETH ZIMMERMAN, with Honors
 ANDREW VINCENT ZUCCARELLO

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 NORMAN BARRIE FINGER
 JACK BARTO GORDON
 IVAN FRED KUSCH, with Honors in Accountancy

DONALD KEITH LAMPORT
 JOHN CLEOPHUS MAHAFFEY
 ROBERT EDWIN MAXEY, with Honors in Accountancy
 JOHN ARTHUR TREVILLIAN, JR.

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 JEROLD GREENBAUM
 JOHN LYLE JONES
 KENNETH CHARLES MCELROY

CHARLES MARTIN PETERS, JR.
 WILLIAM LAWRENCE ROCKHOLZ, with High Honors
 VERNON DEWAINE WASHBURN

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 DOUGLAS WYMORE HELM
 ALVIN KAPLAN, with Honors

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 CHARLES RUSSELL YOUNG

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LOIS JEANNE CARMODY
 WALLACE EUGENE CARPENTER
 HELEN LUCILE CAVENEY
 ANN JINKINS, with Honors
 ANNA KILMER MAHAFFEY

JOHN CLEOPHUS MAHAFFEY
 BERNADINE FRANCES REIS
 MARY LOU COLE RICCIO
 FRANCES MCCORKLE STEPHENS
 JEAN FRANCES WILK, with Honors

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MARY LOUISE BAER, with Honors
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 JEROME BECKER
 CYNTHIA CARTHAUS
 RONALD KENNETH DIEROLF
 ADA LOUISE GEMENY
 LAURENCE GREENE

HARRY WALTER HARM
 JOANNE KUSHNER, with Honors
 HERBERT DUVAL PERCIVAL
 JOSEPH ROBERT PREZORSKI
 MARTIN RABINOWITZ
 VERNON LOWE SIDLER

In Economics and Management

CHARLES ZALOGA, JR.

In Economics and Marketing

CHARLES WILBORN HUEGY

In Industrial Administration

THOMAS SANDERS BLACKMAN, JR.	VERNON DELOS GREBNER
ARTHUR CASPER BOVENKERK, JR.	PAUL EUGENE HAMER
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BURTON SANFORD FLAX	CLAYTON LEE RAUTBORD
HENRY GASSMANN	

In Management

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SAMUEL ELIAS ALEXANDER	PHILIP EDWARD KRETZ, JR.
LEO ROBERT AMBROSE	HAROLD JAMES LANKFORD
WAYNE EUGENE ARNOLD	GILBERT WING LEE
NORMAN EDWARD BEDELL	JACK ARTHUR LEVY
ORRIN EDWARDS BENJAMIN	JOHN JOSEPH MADAY
RICHARD ARTHUR BLOMBERG	ANITA MARIE MANSFIELD
HUGH ANDREW BRADISH	ARTHUR B. MARKWALTER
HAROLD ROBERT CALLAHAN	RUTH JERAULDINE MCCLURG
HAROLD STEPHEN CHAPMAN	JAMES PHILIP MIESENHELDER
ROBERT VERNON CLAPP, JR.	LAWRENCE WEIR NORTRUP
RICHARD LOWELL COLSTOCK	KENNETH MAX OLSON
JOHN MECKLING CROSS	EVERETT MONROE PATTON
WILLIAM CHARLES DALLENBACH	DOROTHY HAYE PETERS
FRANK XAVIER DORIGAN	WILLIAM TIMOTHY PRIMMORE
RICHARD CHARLES EINBECKER, with High Honors	WAYNE CARL SACHTLEBEN
GRADELYN COX FREYBERG	RICHARD EUGENE ST. JOHN
JOHN RUDOLPH GABOR	DONALD EDWARD SCHEVERS
ERNST ADOLPH GOTTMANN, JR.	BARBARA ANN SEAQUIST
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MILLARD JOEL GRAUER, with Honors	JACK ELLIS SLICHENMYER, with Honors
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JANETTE HOUP	WILLIAM ALBERT WASKOW, JR.
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NORMAN JACK BARMASH	DAVID KIMBER MILLS
GORDON LOUIS BOYD	GERALD MORTON MINKUS
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JOHN FRANK DAMORE	SEYMOUR WILLIAM PATTIS
CHARLES WESLEY DENNIS	WILLIAM LOREN REESER
BEATRICE EMILY ERHARDT	ROBERT ROTH RENFREW
SEYMOUR FRANK	HAROLD DANIEL SCHWARTZ
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JOHN GORDON GRAHAM	ERWIN LAWRENCE STULLER
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In Marketing

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DOROTHY ELIZABETH AUSFAHL	RICHARD LEONARD EASTLINE
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	DOROTHY REGINA HOPKINS

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 KENNETH MILES LEVY
 PATSY PATCH LONG
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 STUART LESLIE MALINA
 ELAINE LAURA MAROZICK
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 VIOLET MARJORIE MARTIN
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 WARREN MATTIX
 MEREDITH ALLAN MAY
 JANET WYNN McCLELLAND
 ROBERT LOUIS MERENS
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 JAMES NEIGHBERS
 CARLYLE EDWIN NEUBAUER, with High
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 ROBERT CARL OLSON
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 MARY MARGUERITE PATRICK
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 RUDOLPH ROBERT PERZ
 FLORENCE JEANNE POSTLEWAITE
 ELIZABETH GERTRUDE PRATHER
 NORMA THEBE PRESS
 VALETTA JEAN PRESS

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 MARGARET ELIZABETH REED
 RICHARD JOHN REINEKE
 EUGENE MARTIN REZWINE
 PRISCILLA JUNE RHODE
 ELIZABETH MAE RINGSTRAND
 ROBERT DALTON ROOT
 PHYLLIS ANN ROTH
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 LOUIS EUGENE RUFFOLO
 DAVID HARGROVE RUNDALL
 HAROLD HERMAN SALZMAN
 DANIEL DAVID SCHUB
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 KATHRYN FRENCH WELER
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 LAWRENCE TRUE WHITNEY
 JOYCE MARCELLA WILLIAMS
 ROBERT JACK WITENSKY
 KENNETH LYLE WOODDELL
 JAMES PAUL EDWARD YOGGERST
 HENRY LANE YOKER

COLLEGE OF FINE AND APPLIED ARTS

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 DON ALLEN BESSEY
 RAYMOND JOSEPH BREJCHA
 JOHN VALDEMAR CHRISTIANSEN, with
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 JAMES RAY DANIEL
 THOMAS REX DANIEL
 ROBERT CHARLES DAY
 SYLVESTER ATMA DULGEROFF, with
 Honors

CLARENCE THEODORE EKSTROM
 JOHN DELBERT FORSGREN
 WILLIAM ELLIS GRAMLEY, Jr., with
 High Honors
 VERDELL HANNER
 RICHARD LEO HAPKE
 JAMES DAVID HOPKINS
 ROLF NELSON IRGENS, with High
 Honors
 CHARLES NORMAN JOHNSON, with
 Honors
 JEAN HANNA KRIEGER, with High
 Honors
 WILLIAM STEPHEN LAHEY, Jr., with
 Honors

JOSEPH PIATT LLEWELLYN
 WILLIAM GEORGE LOSCH
 EDMUND STANLEY MAKOS
 CHESTER ARTHUR MCGOVNEY, Jr., with
 High Honors
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 NORMAN ALBERT NELSON
 PETER JAMES NITTO
 MELVIN EDWARD REITER, with Honors
 WILLIAM DEAN ROBINSON
 EDWIN HERBERT RYDBECK
 ROBERT JULES SCHAEFER, with Honors
 EDWARD CHARLES SCHEWE, with
 Honors
 DAVID SCHIFF
 JAMES FREDERICK SCHNEIDER

JOSEPH FRANCIS SCHROEDER
 WARKENTIN SCHROETER
 RICHARD FERDINAND SEEHAUSEN
 JAMES EDWARD STANSBURY
 NED ROST STEIN
 EUGENE CALVIN SWAGER
 GEORGE ALFRED THORSON
 KENNETH EUGENE UNTEED, with
 Honors
 JACK DALE VOGELSONG
 ALPHEUS CLIFTON WATSON
 JAMES JOSEPH WAVERING
 WILLIAM VAN WHARTON
 JACK YATES WILLIAMS
 GORDON EARL WOOD

In Architecture

ROBERT JOSEPH ANDERSON
 CHARLES EUGENE ASBURY, with Honors
 ALBERT ORIN BUMGARDNER, with
 Highest Honors
 JOSEPH CANZONERI
 PATRICIA MARILYN CASEY
 GERALD BURTON COX, with High
 Honors
 JESSE WILLIAM CRUME
 WILLIAM EARL DYE
 FAY CARLTON EWBANK
 CHARLES DRAPER FAULKNER, Jr., with
 High Honors
 ARTHUR ANGELO GOUVIS
 AARON ALLAN GRAHAM
 NORMAN FREDERICK GREWE
 JOE JUNGKURTH JORDAN, with Highest
 Honors
 EUGENE GEORGE JURENEC
 PAUL JOHN KLUMB, Jr., with Highest
 Honors
 ELAINE KOZLER

MORTON LEVINE
 WALTER ROBERT MARCZYK
 ALFRED WALLACE MOFFETT, with
 Honors
 MARTIN TIMOTHY MOFFITT, with
 Honors
 FRED CHARLES NAGEL, with Honors
 RICHARD DOLE PEEPLES
 ROGER ELGAARD RASMUSSEN, with
 Honors
 JOHN PETER REIF, with Honors
 LE ROY MYRON RUSSELL
 ARTHUR PHILLIP SALK
 HERBERT ROSSER SAVAGE
 LLOYD STRATTON SPRINGER, with High
 Honors
 JOHN JAY TYRRELL, with Honors
 EDWARD KENNETH USHER, with High
 Honors
 NORMAN HOWARD ZARET, with High
 Honors
 SAMUEL ZYWOTOW

In Landscape Operation

JON RICHARD LARSON

CHARLES ELWOOD PARKS

In Music Education

EULAH MAE BURTON
 JANICE ANGELL CLARK
 MARGUERITE LEE COLLEY, with Honors
 FRANK DUFOUR
 HARRY DOMINIC GOTTI, Jr.
 JOHN JAMES HAYNIE, with Highest
 Honors
 FRED MANNING HUBBELL, with Honors
 LEROY OSCAR KIRSCH

CHARLES ELLIS MCFADDEN, with Honors
 KENNETH RAYMOND MOORE, with
 Honors
 ROBERT LLOYD OPPELT, with Honors
 WILBER DEAN SIMMONS, with High
 Honors
 HARLAN ARTHUR STONE
 JANET LOUISE VAN MATRE
 JANE FRANCES WOLF, with Honors

Degree of Bachelor of Fine Arts

In Advertising Design

GERTRUDE RUTH ANDERSON
 ELIZABETH JANE BONNES
 FREDERICK RUSSELL CHAPMAN, with
 High Honors
 MARILYN LOIS EDWARDS
 DORIS JEAN EVANS

WILLIAM EDWARD KEMPE
 RUTH ANNE MILLER
 HELEN MARIE RENNAKER
 RALEIGH JOSEPH SPINKS, Jr.
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 SHIRLEY MAE STREMMEL

In Art Education

DOROTHY EVELYN BIEBER, with High
Honors
BARBARA ANN BYRNES

BEULAH MAE DAVIDSON
ELEANOR JEAN ROBERTSON, with High
Honors

In Industrial Design

RICHARD EUGENE DAVIS, with Honors
BURTON WESLEY GLATZ
EDITH LUCAST JORDAN
ALBERT STANLEY MOLO
EDNA JOSEPHINE NADWORN
PHYLLIS ELLEN RIEDESEL
JOAN MARIE ROACH, with Honors
MORT LAWRENCE ROTHENBERG

CHARLES WILBUR SANDERS, with High
Honors
BARBARA JOAN SCHULTZ
LORETTA BARBARA SKORUPA
DONALD ALAN SMITH
MURIEL ELIZABETH SUTCHER
EDWARD JAMES ZAGORSKI, with Highest
Honors

In Landscape Architecture

JOHN LEONARD BENSON
IVAN WAYNE BROWN
FRANKLIN GEORGE COLLINS
LUCILLE GALLER
CALVIN SARGENT HAMILTON, with
Highest Honors
CHANCE STEVENS HILL, JR.
JOYCE CHARLES HOFFMAN, with
Highest Honors
WILLIAM HUGH ADAIR LAMON, with
Honors

ROBERT GERALD LUESSE
DANIEL WARREN MOORE, with Honors
NEIL BERTRAM PFULB, with High
Honors
JACK HARRY SWING
METRO TATALOVICH
FRED ALFRED TIMM, with Honors
FERDINAND ROSS VOGELGESANG, with
High Honors
PAUL CALVERT WATT
JOHN CHARLES WOLF

In Painting

PATRICIA RUTH BROWN, with Highest
Honors
JOHN HENRY GEISTER
SUZANNE GERTRUDE HASSELQUIST, with
High Honors
CHRIS KARRAS, with High Honors

DOROTHY SAMUELSON LENTZ, with High
Honors
GEORGE JOSEPH MOODY, with Honors
MARTHA ANN MORGAN
BARBARA ISABELLE SHELTON
MARY ANN STOUT, with High Honors

Degree of Bachelor of Music

DOROTHY JEAN ALBERT
DAVID JONES BOWEN, with Honors
SUE CAROL CARR, with Highest Honors
ROSE MARIE HOLMES, with Highest
Honors
WARREN WILLIAM LUTZ, with High
Honors

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Honors
MARVIN EUGENE MUTCHNIK
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FRANCIS EDWARD BARENBRUGGE, with
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JUNE LEE BICKERTON, with Honors
ROBERTA JANETTE BOBSIN
DOLORES JUDITH BODZ
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MAX EUGENE CARY
HOPE GARRIGUS DANIELL
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 PAUL ROBERT KOSTYNIUK
 CHARLES JOSEPH KRISTUFEK, with
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 KENNETH MARSHALL LAW
 NORMAN ALBERT LERMAN
 RENEE LERNER
 ANATOLE LUCAS, with Honors
 KENNETH MARLIN, with Honors
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 VIRGINIA LOUISE MOELLER
 ELIZABETH JANE MORPHY
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 THEODORE WILLIAM GLADHILL
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 SHIRLEY SPREE KALAL
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 CALVIN CONAWAY KEMPER
 LESTER WILLIAM KENT
 DURWARD WILFRED KILLINGER
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 ROBERT ARTHUR KOHTZ
 ROBERT FREDERICK KONIGSFELD
 DAVID MITCHEL KRAFFT
 HARRY CONRAD KRAUSE, JR.
 JOHN FRANCIS KRAUSE, JR.
 FREDERICK WILLIAM KRUGER
 ERNEST ANDREW KURTZ, with Honors
 WAYNE JOSEPH KVASNICKA
 ABE FRED LADERMAN
 LELAND JUDSON LAIR
 ROBERT WYLIE LANE

ERNEST WILLIAM LARSON
 ROBERT CONRAD LASH
 JULIAN HAWTHORNE LAUCHNER
 JAMES LESTER LEIGH
 EDWIN LEVER LEMMON
 GERALD PHIL LEVANT
 THEODORE LEVINE
 BERNARD DAVID LEWIS
 RICHARD ARTHUR LIEBIG
 CLIFFORD LINDER
 MERRILL SAUL LITOW
 GABRIEL EDWARD LOVASICH
 THOMAS CURT LUNDEEN
 THOMAS WILLIAM LYMAN, Jr., with
 High Honors
 BRUCE CONOVER MACDONALD
 FRED HOMER MACNAMARA
 ROBERT GEORGE MALLEY
 ROBERT NELS MALMQUIST
 JAMES JOSEPH MANNING
 EDWIN CHARLES MARSHALL
 PRENTICE HENRY MARSHALL, with
 Honors
 JOHN DONALD MARTIN
 ALBERT BERNARD MARX
 ROBERT CHARLES MASON
 HENRY MORTON MAUTNER
 CHARLES MAYEDA
 FRANK JOSEPH MCCOLLOUGH
 JOHN WILLIAM McDERMOTT
 JOHN MALCOLM McDONALD
 ROBERT HENRY MCKNIGHT
 ROBERT EDWARD McMILLAN, with
 Highest Honors
 ERNIE ALLAN MEIER
 HERBERT GERALD MELNICK
 RICHARD PRICE METZGER
 DONALD RICHARD MEYER
 JAMES CLIFFORD MILLER
 EDWARD WILLIAM MILLHOUSE, Jr.
 HENRY ERNST MOEHLE, Jr.
 CARL ARTHUR MOLLGREN
 EDSON WALTER MURRAY
 HOWARD BERNARD NASH
 EMIL KEITH NATALLE
 HAROLD NEER
 ERNEST EDWARD NELSON
 GORDON RICHARD NELSON
 GRANT WINFIELD NELSON
 WILLIAM DONALD NELSON
 DOMENICO JOSEPH NERI
 SAMUEL CARSON NICHOLL, Jr.
 LAWRENCE JOSEPH NUFER
 RALPH JOHN NUFER
 RAYMOND JULIAN NUSINOW
 JOHN PEIRCE OAKLEY
 JOHN DANIEL O'BRIEN
 EARL KENT ODOM, Jr.
 ALBERT ORENSTEIN
 WILLIAM IRA PAPE
 ROBERT THEODORE PARKHILL
 JAMES RUFUS PARLIMAN

ROBERT DALE PARR
 WILLIAM JOHN PAULI
 RICHARD CLAY PECK
 EGBERT LEWIS PFEIFFER
 JACK LAVERNE PIHL
 GEORGE KINCAID PILKENTON
 WILLIAM PHILLIP PIPHER
 CHARLES EMERSON POLLARD, Jr.
 WILLIAM DEAN POORE
 GROVER ORTMANN POUST
 VICTOR E. PRATT, with Honors
 DEAN ARTHUR PRESTON
 ERNEST ALFRED PURNELL
 BERT LEON QUINN
 CHARLES ALBERT RAPER
 RICHARD KUEBLER RAPP
 ROBERT HOWARD RASMUSSEN
 RAMON EUGENE RECK
 RICHARD REINERT
 SANFORD MANDEL REMINGTON
 JOHN SAMUEL RENDLEMAN
 RUSSELL REES RISDON
 RAMON ERIBERTO RIVERA
 EDWIN BLAKE ROBERTS
 JESSE EDMOND ROBERTS
 DONALD RAY ROBINSON
 RICHARD SVEN ROEING
 JOHN RAYMOND ROY
 GLEN BROEHL RUBENKING
 CARL RICHARD RUSSELL
 PETER JOHN RYBAK
 ALBERT LILAND SAGERT
 CHARLES HERBERT SAGLE
 JAMES WILLIS SANDERS
 MERRET BAKER SANDERS
 LOUIS KALMAN SATZ
 ROBERT WARREN SCANLAN
 WILLIAM HERMAN SCHAFER
 LAWRENCE SCHATZMAN
 WALTER O. SCHMIDT, Jr.
 WILBUR LOYD SCHMIDT
 OSCAR WOLFE SCHRICKER
 CARL EMIL SCHULTZ, Jr.
 PHILIP SEELY
 EDWARD JOSEPH SEILER
 JOHN NICHOL SHALLCROSS
 DANIEL SHAPIRO
 WILLIAM KEITH SHAW
 JACOB SHECHTER
 HARRY MATTHEW SHOLOTA
 GEORGE KENNETH SHOTICK
 HERBERT FRANK SIEGERT
 IRVING SILKIN
 RICHARD EUGENE SIMMONS
 JAMES EDWARD SIMPSON
 MARIE JOSEPHINE SINK
 NORMAN SKRAASTAD
 LAWRENCE NORMAN SLOAN, with
 High Honors
 ALFRED HOLLISTER SMITH, Jr.
 JOSEPH PEARL SMITH, Jr.
 LLOYD CECIL SMITH

MILTON S. SMITH	ROBERT MARK VANNE
RICHARD WILLIAMS SMITH	WILLIAM WEIR VICTOR
ERNST WILLIAM SOELTER, JR.	GERALD EUGENE WAHLS
NORMAN FREDERICK SOHL	BERNARD WAIN
JOHN ROGER SOLIN	EVERETT WESLEY WALBERT
ROBERT SOMERS	WILLIAM HEMINGWAY WALLACE
HARRY WILLIAM SPONGBERG	IRVING HAROLD WALLER, with Honors
WALTER VALENTINO SPOTTI	ROBERT VIRGIL WALSH
RICHARD LEONARD STARKEL	DOWNEY K. WASSON
ARTHUR ANTHONY STECZ	LLOYD JACOB WEBER
DAVID STEIN	VIRGIL MARCUS WEBER
PHILIP NORRIS STEWART	JOE ALLEN WEISS
SEYMOUR BERNARD STISS	CHARLES HERMAN WENK
JOHN HERZOG STOCKER	ROBERT GUY WETZEL
ROBERT JOHN STOCKTON	ARNOLD CLARENCE WHITAKER
THOMAS ROBERT STONIER	ROBERT CARSON WHITE
KENNETH SPENCER STORM, with Highest Honors	WALLACE TERRELL WHITE, JR.
HARRISON STREETER	THOMAS SLATER WICKSTROM
HARRY RICHARD SWIFT	HAROLD LEROY WIERSEMA
HENRY BALDWIN TANTON	ROBERT ERNEST WIESNER
RALPH WILLIAM THEOBALD, with High Honors	RICHARD EDWIN WILLIAMS
BURTON GILBERT THOMS	ALBERT DEAN WILSON
THOMAS EDWARD TOBIASON	CARROL DEAN WILSON
CHARLES WELLS TOM	LAWRENCE SANDERS WILSON
JOSEPH EDMUND TOMES	LEONARD EARL WILSON
FRANK JOSEPH ROY TREMBACKI	BURTON JAY WINICK
ROBERT VICTOR TUGGLE	FAY ALLEN WIRTH, JR.
FREDERICK RICHARD TURSCHMANN	SYDNEY MAKEPEACE WOOD, JR.
ROBERT LANPHIER TWIST	ELMER BERNARD WULF
CHARLES JOSEPH URBAN	WILLIAM BRADLEY ZEHNER
	JAMES FRED ZEZULA
	RICHARD LEE ZWEIF

Degrees Conferred in Chicago

COLLEGE OF DENTISTRY

Degree of Bachelor of Science in Dentistry

(Conferred December 18, 1948)

FRANCIS MARION FIERCE, JR., D.D.S., 1946	CHARLES WILLIAM KREML MATTHEW MARVIN SAPOSNIK
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(Conferred March 26, 1949)

RALPH DON COVEN

Degree of Doctor of Dental Surgery

(Conferred December 18, 1948)

MATTHEW MARVIN SAPOSNIK

(Conferred June 17, 1949)

GILBERT ERNEST ALPERT, B.S., 1946	JOSEPH FREDRICK BURGH, JR., B.S., 1947
THOMAS KING BARBER, B.S., Michigan State College, 1945, 1947	BALDEV CHOPRA, B.S., Forman Chris- tian College, 1941; B.D.S., de- Montmorency College of Dentistry of Punjab University (India), 1945
ROLLEY COFFEY BATEMAN, JR., A.B., State University of Iowa, 1945	EDGAR DEMAREST GIFFORD, A.B., DePauw University, 1940; B.S., 1947
KENNETH EUGENE BEACH, B.S., 1947 (Commissioned as Lieutenant, j.g., Dental Corps, U.S.N.R.)	HERBERT NATHANIEL HAZELKORN, B.S., 1943, 1947
WILLIAM WENLAND BELL, A.B., Lake Forest College, 1942; B.S., 1947	

BERNARD FREDRICK JURIST
 HARRY LEVIN, B.S., 1947 (Commissioned as First Lieutenant, Dental Corps Reserve, A.U.S.)
 DALE MARWOOD LIPE, B.S., 1947
 SANTINA ROSE LITTURI
 CARROLL STORDOCK MILLER, B.S., 1947
 MARIE CHMIEL NOVAK, B.S., 1948
 WALTER RAYMOND, B.S., 1947
 MARSHALL RAYMOND ROZYNKOWICZ, B.S., 1947

ROBERT SALEM SALK, B.S., 1947
 BAL RAJ SONDDHI, B.D.S., deMontmorency College of Dentistry of Punjab University (India), 1946; M.S., 1948
 VERYL ROY SORESENSEN, B.S., 1947; with Honors
 NICHOLAS ELWOOD TAPP, JR.
 LIUDAS ZIBAS, B.S., 1948

COLLEGE OF MEDICINE

Degree of Bachelor of Science in Medical Technology

(Conferred December 18, 1948)

VLASTA MARIE MOTAL, A.B., Indiana University, 1947

Degree of Bachelor of Science in Medicine

(Conferred December 18, 1948)

ROBERT DAVIDSON BOWER, B.S., M.D., 1937, 1943
 JAMES RICHARD COOPER
 ORVILLE LLOYD DAWSON, B.S., University of Kansas, 1937
 HARRY GARBER, B.S., Northwestern University, 1945
 STERLING DAVIS GARRARD, M.D., 1945
 WILLIAM HUNTER HARRIDGE, B.S., Northwestern University, 1946
 HOWARD HAMILTON HARRIS, JR.
 HARRY GLEN HARSHBARGER, B.S., 1941
 CLYDE LAFAYETTE HENRY, A.B., Philander Smith College, 1941
 WILLIAM ADDISON HUTCHISON, M.D., 1937
 JOHN MATHIAS JACOBOWITZ, B.S., 1940
 FRANK JOSEPH JIRKA, JR., A.B., Knox College, 1944
 ELLIS DONALD JOHNSON, B.S., St. Augustine College, 1940

CLARA JULIA LEINBERGER
 DAVID WALTER MACFARLANE
 ROBERT KEITH NEWTON, JR., A.B., 1943
 ROSEMARY ELINOR NIEMANN, A.B., MacMurray College, 1946
 EDWARD WARREN PELIKAN
 ISADORE PITESKY, B.S., University of Chicago, 1940
 SHOLEM POSTEL, B.S., University of Chicago, 1945
 NORMAN EMORY POWERS, B.S., Bradley Polytechnic Institute, 1946
 MATTHEW BERNARD PRICE
 THOMAS WALTER SAMUELS, JR.
 KURT OTTO SCHLESINGER, B.S., 1941
 HAROLD MARCUS SCHOOLMAN, B.S., 1944
 BURT SIOKOS
 SHERMAN HERMAN STRAUSS, B.S., Illinois Institute of Technology, 1945

(Conferred March 26, 1949)

ADAM ANTHONY HAJDUK
 HOMER HARVEY HANSON, B.S., Southern Illinois University, 1946
 ELLEVA JOSLYN, B.S., University of Chicago, 1938; A.M., Columbia University, 1939
 JULIUS JOSEPH KOVATS, D.D.S., 1945
 HOWARD LYNN KUHLE, B.S., 1945
 JAMES HOWARD LAMBERT, JR.
 ALVIN JEROME LEEB, B.S., 1943

VIRGINIA LOUISE MORELAND, A.B., MacMurray College, 1942
 IVAN CHARLES NEUBAUER, A.B., 1943
 VALDO PETER OLEARI, B.S., Wheaton College, 1943
 CHARLES ESTEL RAMSEY
 PAUL WINSTON SHEFFLER, A.B., 1943
 JAMES LAWRENCE STRUTHERS, B.S., Monmouth College, 1946

Degree of Bachelor of Science in Occupational Therapy

(Conferred June 17, 1949)

PHYLLIS BERGER
 BETTY JANE BROTHERS
 SHIRLEY EILEEN ESENTER
 LOIS LUNDEGARD HAUKE
 MARIAN JANET KEOUGHAN

HELEN KOEHLER KLOCKNER
 MARY LOUISE PATRICIA ROBINSON
 MABEL ALMA VAL DEZ
 MARY ALTHEA WARNER
 ALICE BEVERLEY WOOTERS

Degree of Doctor of Medicine

(Conferred June 17, 1949)

- JOHN RICHARD ANDERSON, B.Ed., Chicago Teachers College, 1945; B.S., 1947
- MARTIN ASCH, B.S., 1947
- ANNA ERNESTENE BARNSTABLE, A.B., Lake Forest College, 1937
- LILLIAN GOLDSTEIN BARSKY, B.S., 1947
- FRANK CLIFFORD BENDER, with Honors
- HERBERT EDWIN BESSINGER, B.S., M.S., 1945, 1948; with Honors
- MORTON AARON BLUM, B.S., University of Michigan, 1945; B.S., 1947
- JEANNE B. BLUMHAGEN, B.S., 1948
- JOSEPH NAPOLEON BOURQUE
- ROBERT TILDEN BRAMAN, B.S., 1947
- MORTON BEN-ARI BRAMSON, B.S., 1947
- JOSEPH THOMAS BRANIT, JR., with Honors
- JOHN CHARLES BRAZOS, B.S., 1947
- ERNEST REZON BROOKS, B.S., 1948
- JAMES DEACY BROWN, JR., B.S., 1946
- RAYMOND ALAN BROWN, B.S., 1947
- ROBERT GERALD CANHAM, D.D.S., M.S., 1944, 1948; with Honors
- MARIAN DORIS COHEN, B.S., 1947; with Honors
- CHARLES DUANE COLLINS, B.S., University of South Dakota, 1947
- JAMES ORVAL COURSEY, JR., B.S., 1946
- WILLIAM DALESSANDRO, B.S., 1945
- JAMES BIRNEY DIBBLE, B.S., 1947
- LILLIAN JULIA DOERR, B.S., University of Chicago, 1942
- JOHN DOUGLAS DOOLEY, B.S., 1945, 1947
- JAMES CALVIN DOWELL, B.S., 1947
- THEODORE GEORGE DRUGAS, B.S., 1947; with Honors
- MARIE ELIZABETH DUGAS, B.S., 1947
- FRANK ANTON FOLK, B.S., Northwestern University, 1945
- EMIL J. FREIREICH, B.S., 1947; with Honors
- ROBERT CORNELIUS FRUIN, B.S., 1947
- HARRY GARBER, B.S., Northwestern University, 1945; B.S., 1948
- ALVIN MAXWELL GETZ, B.S., 1947; with Honors
- JOSEPH FRANCIS GIANNOLA, B.S., 1947
- HOWARD WILLIAM GILLEN, B.S., 1947
- MARGARET EMILY GILLER, B.S., 1947
- CHARLES ALEXANDER GILPIN, JR., B.Ed., Southern Illinois University, 1942; B.S., 1947
- EDWARD HELGI GOODMAN, B.S., University of North Dakota, 1947
- HAROLD GOODMAN, B.S., 1947; with Honors
- MARVIN GOREN, B.S., University of Chicago, 1944; B.S., 1948
- SHELDON SEYMOUR GORSKY, B.S., 1947; with Honors
- GEORGE HOWARD GOULD, B.S., 1947
- DONALD LEROY GRIEME, B.S., 1947
- HELEN IRENE GROVE, B.S., 1947
- ROBERT WILLIAM HANSEN
- SAM EDGAR HANZEL, B.S., 1947; with Honors
- DELORES MARIE GOEFFERT HARDRE
- ROBERT LEWIS HARE, B.S., 1947; with Honors
- PAUL JOHN HARGES, B.S., University of Richmond, 1946
- JOHN WINTHROP HASKIN, B.S., 1947
- CAROLINE HALL HASS, B.S., Monmouth College, 1944
- THOMAS WILLIAM HASS, B.S., 1947
- MITCHELL HASSEN, B.Ed., Chicago Teachers College, 1945; B.S., 1947
- JAMES KIRTLEY HILL, B.S., 1947
- FRANK WAYNE HOLLINGER, B.S., 1947
- WALTER LUCIUS HOWLAND, B.S., 1947 (Commissioned as First Lieutenant, Medical Corps, A.U.S. after completion of R.O.T.C. course)
- DOROTHY HELEN HUBLER, B.S., 1936
- RALPH FLETCHER HUDSON, B.S., 1947
- SANFORD MYRON IZNER, B.S., Northwestern University, 1941; B.S., 1947; with Honors
- GERALD WALTER JANKOWICZ, B.S., 1947; with Honors
- ROBERT FREDERICK JEANS
- MARY MOORE JOHNSON, B.S., Northwestern University, 1945
- BERNARD KAFKA, B.S., 1947
- PAUL KAHAN, B.S., Illinois Institute of Technology, 1944
- ROBERT JAMES KAISER, B.S., 1947
- ARNOLD HOWARD KAPLAN, B.S., 1947; with Honors
- ERVIN KAPLAN, B.S., 1947
- ROBERT HILER KASS, B.S., 1947
- KEITH VERNE KING, B.S., 1947
- BETTY JANE KIZER, B.S., 1947
- DONALD MAURICE KOPPEL, B.S., 1947; with Honors
- JOHN RICHARD KOSTELNY, B.S., 1947
- RICHARD HERMAN KOSTERLITZ, B.S., 1947
- JULIUS JOSEPH KOVATS, D.D.S., B.S., 1945, 1949
- HOWARD WILSON LAGERQUIST, B.S., 1947
- SEYMOUR SIDNEY LANGER, B.S., 1945
- EDWARD HOWELL LANPHIER, B.S., University of Wisconsin, 1946

- DOROTHY LILL LARSON, B.Ed.,
Southern Illinois University, 1942;
M.S., University of Wisconsin,
1945
- WILLIAM RICHARD LARSON, A.B.,
DePauw University, 1939
- ELISABETH STERN LASSERS, B.S., 1947;
with Honors
- ROBERT LEEVACK, B.S., 1947
- WILLIAM ABRAHAM LEONE, B.S., 1947
- PAUL LEVY (Commissioned as First
Lieutenant, Medical Corps, A.U.S.
after completion of R.O.T.C.
course)
- MARVIN ARTHUR LEWIS, B.S., 1947
- JACK GILBERT LUKENS, B.S., 1947
- DONALD JAMES LULU, B.S., 1947
- ROLAND AUGUSTINE MANFREDI, B.S.,
1947
- ROBERT LEE MARSKE, B.S., 1945
- WALTER SAMUEL MASSANARI, B.S.,
1947
- CHARLES JEFFERS McCAMMON, A.B.,
B.S., 1942, 1947; with Honors
- RUTH HARTNELL McCAMMON, B.S.,
University of Chicago, 1945
- LESLIE THEODORE McCLINTON, B.S.,
Monmouth College, 1941; with
Honors
- JAMES BENJAMIN McCORMICK, B.S.,
University of Notre Dame, 1947;
B.S., 1947
- MILLARD FILMORE McKEEL, III
- ALBERT CHARLES MERKIN
- ARTHUR LOUIS MESSINGER, Jr., B.S.,
1947
- CAROL REHDER MEYER, B.S.,
Northwestern University, 1945
- MORGAN MARION MEYER, B.S., 1947
- ALICE BURNS MIJANOVICH, A.B., Ripon
College, 1943
- MLADEN MIJANOVICH
- MARION DROGOMIN MIODUS, B.S., 1947
- GERALD STOROE MODJESKA, B.S., 1947
- PHILLIP JAMES MOORE, B.S., 1947
- WILLIAM SHERMAN MORROW, B.S.,
1947
- WILLIAM MARTIN MOSS, B.S., Bucknell
University, 1946
- DAVID WARREN MURRELL, with Honors
- ROBERT EUGENE MYERS, B.S., 1947
- ICHIRO NADAMOTO, A.B., University of
Hawaii, 1943; B.S., University of
North Dakota, 1947
- RAYMOND F. NADAR, B.S., 1947
- JOHN OTTO NELSON, B.S., 1947
- MUTSUMI NOBE, Ph.C., B.S., University
of Southern California, 1929, 1931;
M.S., 1944
- FRANK BRIGHT NORDSTROM
- VIRGINIA MARIE NORRELL, A.B., Texas
State College for Women, 1939;
B.S., 1947
- ALBERT JOHN NOVOTNY, with Honors
- EDWIN ERIC NYMAN, B.S., 1947
- STANLEY JOHN OPALINSKI, B.S., 1947
- AUGUSTO ORTIZ, B.S., University of
Puerto Rico, 1939
- MILTON MERRELE OSTROFF, A.B., Uni-
versity of West Virginia, 1946;
B.S., 1946
- WILLIAM OYEN, B.S., 1947
- EDWARD ROY PERL, B.S., 1947
- GERALD PERMAN, B.S., 1947
- LEO PEVSNER, B.Mus., Chicago Musical
College, 1932; B.S., 1947
- MORTON PINSKY, B.S., 1947
- VIRGINIA PLOUGHE, B.S., 1947
- EDMUND JOSEPH PROROK, B.S., 1947
- FRANKLIN NEAL ROEMHILD, B.S.,
M.S., 1946, 1947; with Honors
- EUGENE A. ROSENBERGER, B.S., 1947
(Commissioned as First Lieutenant,
Medical Corps, A.U.S. after com-
pletion of R.O.T.C. course)
- ROBERT EARL ROTH, B.S., 1947
- JEROME ROWITCH, B.S., 1947
- RALPH RICHARD RUTHENBERG, B.S.,
1941
- INÉS MARÍA HERNÁNDEZ SANTOS, A.B.,
University of Puerto Rico, 1942;
with Honors
- PHYLLIS ANNE SAXON
- VERNON CLIFFORD SCANDRETT, B.S.,
1947
- JOHN HOWARD SCHNEEWIND, B.S., 1947
- RALPH EUGENE SEWARD
- EMANUEL SILVER, B.S., University of
Pittsburgh, 1942; B.S., 1947
- MYRL DAVID SIMS, B.S., 1947
- BERKELEY SLUTZKER, B.S., University
of Missouri, 1947 (Commissioned
as First Lieutenant, Medical Corps,
A.U.S. after completion of R.O.T.C.
course)
- CLIFFORD WALTER SMITH
- JOHN LESLIE STEPHENSON, B.S.,
Harvard College, 1943
- RUDOLPH BUKOVSKY STEVENS, B.S.,
1947
- IRVIN COMMER SUSMAN, B.S., 1946
- ALFRED VICTOR SWANBERG, Jr., B.S.,
University of North Dakota, 1947
- RALPH HYMAN SWERDLOW, B.S., 1947;
with Honors
- NORMAN DONALD TABACHNICK, B.S.,
1947
- ALAN MACK TAYLOR, A.B., Wabash
College, 1945

PATRICIA PENDILL TESCHAN, A.B.,
Vassar College, 1945; B.S.,
University of Minnesota, 1947
DANIEL DOUGLAS THOMAS, B.S., 1947
PAUL HARVEY TOLPIN, B.S., 1947
VERNON GEORGE VERNIER, B.S., 1947
RUFUS JAMES WALKER, B.S., M.S.,
1946, 1947
MARK WATSON, B.S., 1947
MARVIN ARTHUR WEISS, B.S., 1947

DAVID ROBIE WELSH, B.S., 1947
FRED WAITE WHITEHOUSE, B.S., 1947
MICHAEL ANGELO ZAMPOGNA, B.S., 1947
AUSTIN BURT ZEITLIN, B.S., University
of Oregon, 1947
SHELDON ZINN (Commissioned as First
Lieutenant, Medical Corps, A.U.S.
after completion of R.O.T.C.
course)
ROBERT STANLEY ZULLO, B.S., 1947

COLLEGE OF PHARMACY

Degree of Bachelor of Science in Pharmacy

(Conferred March 26, 1949)

CHARLES SANDS

(Conferred June 17, 1949)

PETER GERALD AMACHER
JOHN BAGEL
GAYLE BERNARD BANTNER
EDMUND PAUL BARKAUSKAS
HERBERT IRWIN BAROV
RINATO JOHN BERNARDINI
JOHN JOSEPH BOCCIO
JEROME PAUL BOROVIK
MARSHALL DILLON BROOKE
EDWIN JAMES CASEY
JANET LOUISE CORGAN
ALICE C. DALY
WILLIAM ELSING DECKER
JULIAN MICHAEL DEL VESCO
MARY LIGUORI ERTTEL
ANDRIA FERRARA
FRANK FERRARA
RAYMOND A. FOERSTER
ROSE KEY FREEMAN, B.S., Lane Col-
lege, 1945
WILLIAM ROBERT GARRITY
ELAINE MADALEN GIANAS, with Honors
ALYCE ANN GODSHALL, with Honors
MARVIN JEROME GOLDBERG
HOWARD ROGER GOLDSMITH
LOREN BROOKS HALL, B.S., Illinois
Wesleyan University, 1939
JOHN JAMES HANKEY
THADDEUS MARION HETMAN
LESLIE WILLIAM HILSENHOFF
FRANK JOSEPH HOSTICKA
IVAN DELOS JOHNSON
GERALD DEAN KELDER
ALEX KENDL
RICHARD MILLS KLASSEN
CHARLES ROY KOPECKY
ARNOLD STANLEY KOWALSKI, Ph.C.,
1933
EDWARD ALBERT KSIAZEK
HAROLD JOSEPH LEDERMAN
HOWARD EUGENE LENSE
ROBERT LEE LOGSDON
ALFRED MARK LOLLI
FRANCIS ANTHONY LOSIECZKA
ROBERT M. LUCARELLI

BUD EDWARD MARTIN
MARY ELLEN MARTIN
WILLIAM MICHAEL MASKOWSKI
JAMES LEE MCELHANEY
EARL CLAYTON OWENS
FRANCIS ELMER PANKAU
RITA MARY PATKA
FRED ESPOVICH PEARCE
MARY ANN PETERSEN
KENNETH AXEL PETERSON
PAUL HENRY POHLMAN
MELVIN DAVID POLLOCK
EUGENE GORDON PRESS
RAYMOND LAWRENCE PRICE
ALLAN MAURICE RAFF
GEORGE WILLIAM PARIS ROSE
VIRGINIA RISVOLD ROSENBERG
JULIUS SAMUEL ROTTMAN
SAMUEL RUBNICH
LOUIS RUFF
VIRGINIA HELEN RUSZEL
RUBIN SAPOSNIK
WALTER JENS SAUERBERG
HARRY WILLIAM SCHMIDT
JOHN RAYMOND SCHURMAN
MARVIN SCHWAB
LODIK SHERMERDIK
CHARLES DAVID SINCLAIR
VERNE KRUEGER SMALLWOOD
ROBERT STANLEY SNIEGOWSKI
JEROME JERRY STEIN
STANLEY JOSEPH STEPNIK
LEO JOHN STYZEN
PATRICIA SUDAR, with Honors
HELENA D. S. SUEN, Ph.C., Franco-
Chinese University, 1946
GEORGE CHARLES UEHRKE, JR.
EDWARD JOSEPH WALASZEK
PHILIP STANLEY WALSH
WILLIAM WARNER
JACK BERNARD WILLIAMS
HARRY KENNETH WILSON
JOHN KOSINER WUNSCH
RAYMOND AUGUST YOS
JOSEPH W. ZDENEK

GRADUATE COLLEGE

Degree of Doctor of Philosophy

*(Conferred June 17, 1949)**In Bacteriology*

CAROLYN WEBSTER HAMMOND, B.S., Knox College, 1925; A.M., University of Minnesota, 1933
SEYMOUR LEVINE, B.S., University of Chicago, 1943; M.S., 1945

In Pharmacognosy

MELVIN ROY GIBSON, B.S., M.S., University of Nebraska, 1942, 1947

In Pharmacology

KAZUO KAY KIMURA, B.S., University of Washington, 1942; M.S., University of Nebraska, 1944

In Surgery

STEPHEN JOHN CHESSE, B.S., M.S., M.D., Marquette University, 1937, 1941, 1942

Degree of Master of Science

*(Conferred December 18, 1948)**In Applied Materia Medica and Therapeutics*

MARVIN JACOBSON, B.S., D.D.S., 1942, 1946

In Bacteriology

JOHN BARFOOT MACDONALD, D.D.S., University of Toronto, 1942

In Biological Chemistry

MAX KRUP, B.S., Illinois Institute of Technology, 1943
HUGH MEDILL MILLEN, Ph.B., Northwestern University, 1947

In Chemistry

RICHARD DAVID COLEMAN, B.S., 1944
ANDREW LASSLO
JACOB STEPHEN RODIE, B.S., Loyola University, 1947
JOSEPH ALBAN TURSICH, B.S., Loyola University, 1943

In Dental Histology

SAUL SIGMUND STAHL, D.D.S., University of Minnesota, 1947

In Medicine

LUKE JAMES GRIMELLI, M.D., Loyola University, 1945
SOPHIE JANINA PRESLEY, B.S., M.D., 1948, 1945

In Orthodontia

ALTON WALLACE MOORE, B.S., D.D.S., University of California, 1941
AARON SCHAEFFER, A.B., Western Maryland College, 1939; D.D.S., University of Maryland, 1947
GUY ALDEN WOODS, JR., D.D.S., Northwestern University, 1945

In Pediatrics

KURT GLASER, M.D., University of Lausanne (Switzerland), 1939

In Pharmacognosy

JOSÉ MENDEZ DE LA VEGA, Ph.C., University of San Carlos, 1947

In Pharmacology

CLEMENT ADDISON STONE, B.S., University of Nebraska, 1946
JOHN F. POLLI, B.S., Central Y.M.C.A. College, 1942
JESUS SANTOS-MARTINEZ, B.S., University of Puerto Rico, 1946

In Physiology

RICHARD OWEN BURNS, JR., B.S., University of Notre Dame, 1948

In Physiology (Clinical Science)

KUN JEN WANG, B.S., Peiping National Teachers College, 1934

In Surgery

WILLIAM JOHNSON GROVE, B.S., M.D., 1942, 1943

HUSHANG JAVID, M.D., 1946

(Conferred June 17, 1949)

In Anatomy

ERNEST LLOYD DUBRUL, D.D.S., New York University, 1937

In Bacteriology

ARTHUR VICTOR BOARD, JR., B.S., Trinity University, 1947

EUGENE MAURICE BRITT, A.B., Valparaiso University, 1947

MILTON GOLDIN, A.B., Brooklyn College, 1938

ROBERT JACK HANSON, A.B., Valparaiso University, 1948

ETHEL THERESE HARKNESS, B.S., Wheaton College, 1947

LEON JOSEPH LEBEAU, B.S., 1947

MADELYNE ODETTA McDONALD, A.B., Marshall College, 1942; B.S., 1947

ELIZABETH LOUISE SPAETH, A.B., Mills College, 1942

In Biological Chemistry

NATHALIE FOWLER, B.S., University of Chicago, 1945

GEORGE RYOJI NAKAMURA, B.S., Adrian College, 1944

In Dental Histology

THOMAS KING BARBER, B.S., Michigan State College, 1945; B.S., 1947

RONALD DOUGLAS EMSLIE, B.D.S., University of London, 1942

JOSEPH LOUIS HENRY, D.D.S., Howard University, 1946; B.S., Xavier University, 1948

HAROLD GREGORY RAY, D.D.S., Northwestern University, 1926

MAX WEINREB, D.D.S., University of Beyrouth (Lebanon), 1947

In Medicine

SAUL PHILIP BRALOW, B.S., Pennsylvania State College, 1942; M.D., Temple University, 1945

IRWIN ROBERT CALLEN, B.S., M.D., 1941, 1943

MELVIN M. CHERTACK, B.S., M.D., 1944, 1946

DANIEL MARSHALL, B.S., M.D., Northwestern University, 1944, 1947

KAMBI SIDDARAMAPPA SHADAKSHARAPPA, B.S., M.B.B.S., University of Mysore (India), 1933, 1940

In Orthodontia

ROBERT MYRON KINCAID, A.B., Denison University, 1935; A.M., D.D.S., Ohio State University, 1938, 1944

ELBERT WATSON KING, JR., D.D.S., Loyola University, 1944

In Pathology

JAMES DEACY BROWN, JR., B.S., 1946

JANE DAVIS COBB, A.B., Knox College, 1945

In Pedodontia

KISHORE CHAND, B.D.S., deMontmorency College of Dentistry of Punjab University (India), 1943

BALDEV CHOPRA, B.S., Forman Christian College (India), 1941; B.D.S., deMontmorency College of Dentistry of Punjab University (India), 1945

In Pharmaceutical Chemistry

SITARAMAN KUNJITHAPADAM, B.S., University of Madras (India), 1944; B.S., 1948

DASU RAMASWAMI, B.S., University of Madras (India), 1942

In Pharmacognosy

THEODORE MEYER BRODY, B.S., Rutgers University, 1943

In Pharmacology

ARNOLD HOWARD KAPLAN, B.S., 1947

EDWARD HOWELL LANPHER, B.S., University of Wisconsin, 1946

In Pharmacy

DOUGLAS JOHN STEWART, B.S., University of Saskatchewan, 1947

In Physiology

EDWARD WILLIAM HAWTHORNE, JR., B.S., M.D., Howard University, 1941, 1946

ERVIN KAPLAN, B.S., 1947

JAMES PATRICK KIELY, B.S., M.D., 1945, 1947

LIONEL SCHOUR, B.S., 1947

JOHN JOSEPH SCHWAB, B.S., University of Kentucky, 1947; M.D., University of Louisville, 1946

In Physiology (Clinical Science)

FRAMROZ PIROJSHAW ANTIA, B.S., B.M., M.D., University of Bombay (India), 1938, 1942, 1945

DAVID CLEGHORN FAINER, A.B., M.D., University of California, 1944, 1947

HENRY DAVID JANOWITZ, A.B., M.D., Columbia University, 1935, 1939

KWANG SUH KIM, M.D., Seoul National University (Korea), 1947

In Surgery

HARMS WILMER BLOEMERS, A.B., Hope College, 1931; M.D., University of Chicago, 1937

GEORGE DAVID LAVERS, A.B., M.D., University of Alberta, 1940, 1943

STUDENT AND STAFF APARTMENTS—SECOND SIX-STORY BUILDING**SCHEDULE A**

<i>Item</i>	ESTIMATED CAPITAL COSTS (95 UNITS)	<i>Amount</i>
Movable Equipment.....		\$ 33 000
Administrative Costs.....		23 000
Architectural Costs.....		34 200
Building Construction:		
General Work.....		682 000
Electrical.....		51 000
Plumbing.....		107 000
Heating.....		71 000
Ventilating.....		5 000
Elevators.....		20 000
Building Services.....		30 000
Fixed Equipment.....		70 000
Grading and Landscaping.....		4 000
		<hr/> \$1 130 200
Contingency.....		21 800
<i>Total Capital Cost</i>		<hr/> \$1 152 000

SCHEDULE B

ANNUAL OPERATING BUDGET (95 UNITS)		<i>Amount</i>
Income:		
Gross rentals		\$79 920 ¹
Vacancy loss (3%)		2 400 ²
<i>Net Annual Rental</i>		<u>77 520</u>
Expenses: ³		
Wages		4 323
Operating supplies		432
Utilities		6 775
Insurance		806
Miscellaneous		1 000
Elevator maintenance and power		750
Building maintenance		5 704
Furnishing maintenance		2 392
Grounds maintenance		434
<i>Total Expenses</i>		<u>\$22 616</u>
<i>Net Annual Amount Available for Debt Service</i>		<u>\$54 904</u>

FIVE-YEAR CURRICULUM IN ARCHITECTURE

For the Degree of Bachelor of Architecture

(To be inaugurated for students entering as freshmen in September, 1949)

I. SUMMARY BY PRINCIPAL SUBJECTS

	<i>General Option</i>	<i>Engineering Option</i>
<i>Basic Subjects:</i>		
Physical Education, Hygiene, and Military Science	10	10
Rhetoric	6	6
Mathematics	9	15
Physics	9	9
General Education ⁴	19	16
History of Architecture	11	11
<i>Total Basic Subjects</i>	<u>64</u>	<u>67</u>
<i>Technical Subjects:</i>		
Architectural Projections	4	4
Freehand Drawing and Modeling	14	12
Theory of Architecture	2	2
Basic Design	3	3
Architectural Design	36	22
Materials and Methods of Construction	10	10
Equipment of Buildings	9	9
Theoretical and Applied Mechanics	6	9
Structural Theory and Design	12	25
Architectural Practice	2	2
City Planning	3	..
<i>Total Technical Subjects</i>	<u>101</u>	<u>98</u>
<i>Total Hours for Graduation</i>	<u>165</u>	<u>165</u>

¹ Gross rental based on the following rates a month: 5 sleeping rooms with bath, \$55.00; 66 zero bedroom apartments, \$65.00; 3 one bedroom apartments, \$85.00; 20 one bedroom apartments with dining alcove, \$87.50; and 1 one bedroom apartment with dinette, \$90.00.

² Deduct.

³ Management expense included in general University administrative expense.

⁴ The general education electives are to be divided between the humanities, social sciences, and biological sciences.

II. SCHEDULE OF COURSES

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
G.E.D. 107—Architectural Projections.....	2	G.E.D. 108—Architectural Projections.....	2
Art 181—Freehand Drawing.....	2	Art 182—Freehand Drawing.....	2
Rhet. 101—Rhetoric and Composition.....	3	Rhet. 102—Rhetoric and Composition.....	3
Math. 117—Combined Mathematics.....	5	Math. 127—Combined Mathematics.....	4
Hygiene 102 or 105—Hygiene.....	2	Arch. 101—Basic Design ¹	3
Physical Education.....	1	Physical Education.....	1
Military Science (for Men).....	1	Military Science (for Men).....	1
<i>Total</i>	16	<i>Total</i>	16

Second Year

Arch. 131—Architectural Design....	3	Arch. 132—Architectural Design....	3
Art 183—Freehand Drawing.....	2	Art 184—Freehand Drawing.....	2
Arch. 143—Materials and Methods of Construction ²	2	Arch. 144—Materials and Methods of Construction ²	2
Physics 101—General Physics.....	5	Arch. 113—History of Ancient Architecture.....	2
<i>General Option:</i>		<i>General Option:</i>	
Elective.....	3	T.A.M. 171—Elementary Mechanics.....	3
<i>Engineering Option:</i>		Elective.....	3
Math. 137—Differential Calculus..	3	<i>Engineering Option:</i>	
Physical Education.....	1	Math. 147—Integral Calculus....	3
Military Science (for Men).....	1	T.A.M. 150—Analytical Mechanics.....	2
		Physical Education.....	1
		Military Science (for Men).....	1
<i>Total</i>	17	<i>Total, General Option</i>	17
		<i>Total, Engineering Option</i>	16

Third Year

Arch. 133—Architectural Design....	3	Arch. 134—Architectural Design....	3
Art 281—Freehand Drawing.....	2	Art 282—Freehand Drawing.....	2
Arch. 243—Materials and Methods of Construction ²	2	Arch. 244—Materials and Methods of Construction ¹	2
Arch. 214—History of Medieval Architecture ²	3	Arch. 215—History of Renaissance Architecture ²	3
Sociol. 276—Urban Sociology.....	3	Physics—Light, Magnetism, and Electricity ¹	4
<i>General Option:</i>		Arch. 245—Structural Elements....	3
T.A.M. 172—Strength of Materials.....	3		
<i>Engineering Option:</i>			
T.A.M. 221—Resistance of Materials.....	3		
T.A.M. 223—Resistance of Materials Laboratory.....	1		
<i>Total, General Option</i>	16	<i>Total</i>	17
<i>Total, Engineering Option</i>	17		

¹ New course.² Present course with new credit.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Arch. 235—Architectural Design	5	Arch. 236—Architectural Design	5
Arch. 246—Theory of Structural Design	3	Arch. 345—Structural Design ¹	3
Arch. 265—Theory of Architecture	2	Arch. 344—Working Drawings ¹	2
Arch. 216—Modern Architecture ²	3	M.E. 252—Mechanical Equipment of Buildings	4
Electives	3	<i>General Option:</i>	
		L.A.—City Planning ¹	3
		<i>Engineering Option:</i>	
		Electives	3
<i>Total</i>	16	<i>Total</i>	17

Fifth Year

General Option

Arch. 337—Architectural Design	7	Arch. 338—Architectural Design	7
Arch. 257—Reinforced Concrete Theory	3	Arch. 283—Architectural Practice	2
Arch. 256—Sanitation	2	E.E. 114—Wiring and Illumination	3
Art 150—Modeling	2	Electives	4
Electives	3		
<i>Total</i>	17	<i>Total</i>	16

Engineering Option

Arch. 257—Reinforced Concrete Theory	3	Arch. 338—Reinforced Concrete Design	3
Arch. 347—Theory of Structures	5	Arch. 348—Advanced Structures	5
Arch. 256—Sanitation	2	E.E. 114—Wiring and Illumination	3
T.A.M. 211—Analytical Mechanics	3	Arch. 283—Architectural Practice	2
Electives	4	Electives	3
<i>Total</i>	17	<i>Total</i>	16

PURCHASES

A. Purchases Authorized

The following purchases were authorized by the Executive Committee of the Board of Trustees and in one case by the President of the University. The purchase in each case was made on the basis of the lowest bid.

Item	Department	Vendor	Cost
2,000 copies <i>Mass Communications</i> to be printed and bound	University Press	Kingsport Press, Inc., Chicago	\$2 640 00 f.o.b. Kingsport, Tenn.
1,000 copies Autobiography of David Kinley to be printed and bound	University Press	American Book-Stratford Press, Inc., New York City	1 345 00 f.o.b. Urbana
Three oil burning forced circulation warm air furnaces, furnishing 165,000 B.T.U.'s each	Institute of Aviation	Sears, Roebuck & Co., Chicago	1 139 55 f.o.b. Savoy
800 tablet arm chairs (for classroom purposes)	Physical Plant	Miller School & Office Supply, Hammond, Ind.	6 896 00 installed

¹ New course.² Present course with new credit.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot laboratory chemicals for instructional purposes during the summer of 1949 and the first semester of 1949-1950	General Chemical Stores	A. S. LaPine & Co., Chicago Merck & Co., Rahway, N.J. Mallinckrodt Chemical Works, St. Louis J. T. Baker Chemical Co., Phillipsburg, N.J. E. H. Sargent & Co., Chicago Schaar & Co., Chicago Rascher & Betzold, Inc., Chicago A. Daigger & Co., Chicago General Chemical Co., Chicago Wilkens-Anderson Co., Chicago	4 873 60 1 441 98 1 403 82 781 62 670 40 605 97 605 22 365 14 259 39 220 06
Supply material and fabricate air duct assembly for 300 mev betatron as per Allis-Chalmers drawings	Physics	Hayes Scientific Appliances, Urbana	1 675 00

B. 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>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One No. 2000 National payroll and distribution machine	Physical Plant	National Cash Register Co., Danville	5 213 75
One Angus bull	Animal Science	Professors R. R. Snapp and F. C. Francis to negotiate for the purchase	2 500 00 (approximately)
50,000 lbs. 25x38 70 lb. coated offset book paper	Office Supply Store	Bradner Smith & Co., Chicago	6 725 00
20 exit devices and associated hardware for the Armory; 16 ditto for Huff Gymnasium	Physical Plant Storeroom	H. Channon Co., Chicago	2 536 56 f.o.b., delivered to Physical Plant Store-room
22 steel work benches; 30 steel stools	Ceramic Engineering	W. B. Read & Co., Bloomington	1 458 39
800 copies <i>Reception of Calvinistic Thought in England</i> by C. D. Cremeans; 600 copies <i>The Legend of Noah</i> by D. C. Allen; 800 copies <i>Species-Area Curves and Equivalent Areas for Different Vegetation</i> by A. G. Vestal	University Press	R. R. Donnelley & Sons Co., Chicago	5 800 00
One lot Kimble laboratory glassware to be used as stock in the General Chemical Stores for the summer and fall terms of 1949	General Chemical Stores	A. Daigger & Co., Chicago	17 942 98
55,000 gallons 80-octane aviation gasoline; 35,000 gallons 91-octane aviation gasoline	Institute of Aviation	Shell Oil Co., Chicago	17 790 65
10 exit devices and associated hardware for Lincoln Hall	Physical Plant Storeroom	H. Channon Co., Chicago	1 068 92
One lot laboratory apparatus to be used as stock for the summer and fall terms of 1949	General Chemical Stores	A. S. LaPine & Co., Chicago Fisher Scientific Co., St. Louis Schaar & Co., Chicago E. H. Sargent & Co., Chicago A. Daigger & Co., Chicago Wilkens-Anderson Co., Chicago Rascher & Betzold, Inc., Chicago Chicago Apparatus Co.	4 038 75 1 524 04 1 325 15 1 125 85 882 28 823 61 482 05 381 34
19 black and white sound-motion picture films, 16mm.; 2 color sound-motion picture films, 16 mm.	Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette Urbana	1 119 96 f.o.b.
190 cages and racks for laboratory animals, assorted sizes, according to specifications	Animal Hospital	A. S. Aloe Co., Chicago	2 124 84

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One 5' Harvester combine with auxiliary motor and complete set of screens for combining of grain, beans, grass, and legume seed; to be with rubber tires	Agricultural Administration (Dixon Springs Experiment Station 6)	Cecil Broadway, Golconda	1 201 39 f.o.b. Moline
One 36"x36"x48" electric dumb-waiter installation in Allerton House	Robert Allerton Park	Sedgwick Machine Works, Chicago	1 857 00 f.o.b. Monticello
Fire and extended coverage insurance including unearned premium insurance in the amount of \$200,000 on a monthly reporting form basis effective July 29, 1949, for one year, on the contents of the Illini Union Bookstore, Champaign	Illini Union Bookstore	Warren Montgomery, Urbana (Agent for the Glen Falls Fire Insurance Co.)	2 004 00
Aviation liability insurance on a monthly reporting form basis effective July 1, 1949, for one year, providing bodily injury limits of \$50,000 a person, \$250,000 an accident and property damage limits of \$50,000 an accident, covering aircraft owned, leased, and operated by the University both on and off its premises		R. Hill Carruth, Chicago (Agent for the United States Aircraft Insurance Group)	2 125 00 (estimate)
65 head good grade yearling feeder heifers	Animal Science	To be selected by Professors R. R. Snapp or F. C. Francis about October 15, 1949	8 000 00 (approximately)
Adaptation of SNJ Link trainer with additional equipment to provide automatic simulation of final approach landing, including instruments to be used by the pilot in performing approach and landings as per Link Aviation, Inc.	Psychology	Link Aviation, Inc., Binghamton, N.Y.	20 500 00
250,000 gallons No. 1 fuel oil for the heating system at Parade Ground Area during the season 1949-1950	Residence Halls	Pana Refining Co., Pana	26 851 50
80,000 gallons (approximately) regular gasoline to be delivered by transport truck as required during period July 1, 1949, to December 31, 1949	Physical Plant	Johnson Oil Refining Co., Urbana	13 000 00 (approximately)
500 pedestal type sand urns	Physical Plant	W. B. Read Co., Bloomington	2 840 70
One 7' grand piano with ebony finish	Physical Plant	Mendel Riley, Champaign	2 727 00
10,000 reams 8 3/4"x10 3/4" 16 lb. substance No. 4 sulphite mimeograph paper	Office Supply Store	Duffey Paper Co., Rock Island	4 600 00
200 reams 22x34 40 lb. 100 per cent rag bond, white, opaqued; 48 reams 22x34 32 lb. 100 per cent rag bond, white, opaqued, all to be water-marked with U. of I. seal, not localized	Office Supply Store	Dwight Brothers Paper Co., Chicago	3 217 66
150 tons rock phosphate 30 per cent P ₂ O ₅ in multi-wall paper bags	Agricultural Administration	Schrock Brothers, Congerville	2 409 00 f.o.b. Robbs
330 screens to replace existing screens at Busey-Evans Hall	Residence Halls	Arthur Krebs & Co., Springfield	2 574 00 installed
600 30"x75" innerspring mattresses to be built from 600 used felt mattresses, for use in Parade Ground dormitories	Residence Halls	Champaign Mattress Factory, Champaign	4 740 00
Hospital ward furniture for the surgery ward in the Research and Educational Hospitals	Research and Educational Hospitals, Administration	Hospital Equipment Co., Evanston	9 466 02 delivered
30 adult foot pump dental chairs, clinic type with simplified head-rest and formfitting leather covered seat, ivory tan finish	Dental Clinics	Ritter Co., Inc., Rochester, N.Y.	13 578 75 f.o.b. delivered and installed

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One coordinate microcomparator, 100 mm. stage reaching to .001 mm. cross motion to 0.1 mm. with rotatable stage reaching to one minute	Chemistry	David W. Mann Co., Lincoln, Mass.	1 950 00
Complete portable electrocardiograph-stethograph with one pulse recorder and mobile mahogany table	Medicine	Cambridge Instrument Co., Inc., Grand Central Terminal, New York City	1 173 00 f.o.b. Ossining, N.Y.
One used six-channel Grass electroencephalograph complete with amplifier and ink-writers, in perfect working order	Psychiatry	Warren S. McCulloch, Chicago	1 400 00 f.o.b. delivered
63 16 mm. black and white sound-motion picture films; three 16 mm. color sound-motion picture films	Visual Aids Service	Coronet Instructional Films, Inc., Chicago	3 150 00
One tractor with fluid fill tires for use at the Dixon Springs Experiment Station, to replace a 1943 tractor which is to be sold	Agricultural Administration	Dana Hudelson, Inc., Champaign	1 300 00 delivered for a Ford tractor
One dynamometer, 50 hp, 2,000 r.p.m. to 4,000 r.p.m., 250 volt, complete with instrument panel	Agricultural Engineering	Mid-West Dynamometer & Engineering Co., River Grove	1 581 00
Resurface Ceramics Building parking lot and service drive with 2" asphalt, bituminous concrete	Physical Plant	Champaign Asphalt Co., Champaign	1 890 00
Construction of small storage rooms in northeast corner of Room 4, Horticulture Field Laboratory	Horticulture	Cork Insulating Co., Chicago	1 150 00
Entire requirements of photoengraving for the year ending June 30, 1950	University Press	G. R. Grubb & Co., Champaign	15 000 00 (approx- imately)
¾" flexboard in following sizes: 200 33"x39"; 86 33"x44"; 170 25"x38"; 630"x46"; 290 32"x40"; to be used as stoveboards in temporary housing to comply with fire regulations	Physical Plant	Roofing & Insulation Sup- ply Co., Champaign	1 718 16
Two Leitz research microscopes, ortholux, with objectives 8 mm., 4 mm., 2 mm. oil immersion, less oculars; less trade in, one Gaertner goniometer eyepiece, M-205	Physics	W. H. Kessel & Co., Chicago	2 952 00
One research microscope, "L" body, "R" type stage, apochromatic objectives 16-8-4 mm., 2 mm. oil immersion, eyepieces compensating 5 x, 10 x, 15 x, and 20 x, with N.A. 1.30 condenser complete with case	Physics	E. H. Sargent & Co., Chicago	1 172 00 on the basis of best de- livery
One research microscope, with built-in mechanical "R" stage, binocular body, triple nosepiece, achromatic condenser, objectives 8 mm., 4 mm., 2 mm. oil immersion with compensating oculars 5 x, 10 x, 15 x, 20 x, complete with case	Physics	A. Daigger & Co., Chicago	1 192 00 on the basis of best de- livery
101 drop leaf extension tables; 404 chairs with slip seats covered with Duran	Physical Plant	Educational & Institu- tional Cooperative Service, Inc., New York City	8 322 00
72 combination sofa beds	Physical Plant	Cohen Furniture Co., Peoria	11 487 40
31 chemical fume hoods	Physical Plant	Walrus Manufacturing Co., Decatur	10 170 40
200 (approximately) uniforms for ground forces R.O.T.C. advanced students for the school year 1949-1950	Military	Associated Military Stores, Chicago	14 330 00
Two Cessna 140 (90 hp) metal wing airplanes, to replace a Cessna 120 having over 2,000 flight hours and a damaged plane, purchased in July, 1946	Institute of Aviation	M. D. Walston, East Alton	6 761 00

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
4,000 bd. ft. 1 1/2" B and better Northern White Pine, rough kiln dried, 6" and wider, 10'-0" to 16'-0" long; 5,000 bd. ft. 1" B and better Northern White Pine, rough kiln dried, random widths, 12'-0" to 16'-0" long	Physical Plant	Rietz Lumber Co., Chicago	2 678 00
32 standard, 11" typewriters, distributed equally between Royals and Remingtons	Business Organization and Operation	Maginn Office Equipment Co., Champaign (16 Royals) Engelhardt-Shay Typewriter Co., Champaign (16 Remingtons)	1 628 00 1 596 00

**COMPTROLLER'S REPORT OF CONTRACTS EXECUTED
MAY 11 TO JUNE 10, 1949**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
Veterans Administration	Special course for V.A. medical librarians (Contract No. V1001M-644)	\$ 60 00	March 7, 1949
War Department, Quartermaster Corps	Contract No. W11-183-QM-5-1000	150 00	January 5, 1949
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Date</i>
Wilson & Anderson	Engineering services for a biological water supply system for the Vivarium Building	\$1 530 00	April 21, 1949
E. P. Allison & Co.	Lighting controls in the 909 building in Chicago	787 00	April 30, 1949
Industrial Maintenance, Inc.	Waterproofing coal silo	625 00	April 30, 1949

**CHANGE ORDERS FOR COST-PLUS CONTRACTS UNDER
STANDING CONTRACTS OF JULY 1, 1948**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>
Lewis S. Colbert	Twenty-three change orders	\$6 899 42
Reliable Plumbing and Heating Company	Twelve change orders	9 157 31
Schroeder's	Ten change orders	1 664 93
Square Deal Electric Company	Twelve change orders	9 997 58

**REAPPROPRIATION OF UNEXPENDED BALANCES
AT JUNE 30, 1949**

(Reappropriated for Sixty Days)

URBANA-CHAMPAIGN DEPARTMENTS

Auditing Division special equipment.....	\$ 890
Legal Counsel.....	335
Dean of Students special equipment.....	150
Dean of Men.....	107
Dean of Women residence halls.....	448
Bureau of Institutional Research.....	913
Tabulating special equipment.....	747
University History.....	6 000
Offset press.....	20 000
Public Information.....	155
David Kinley Autobiography.....	2 000
Bacteriology.....	78
Bacteriology special equipment.....	2 356
Botany.....	38
Botany special equipment.....	2 278
Botany special equipment—cytogenetics.....	12 699
Chemistry.....	5 906
Chemistry special equipment.....	11 153
English.....	420

Entomology	300
French	128
Division of General Studies	65
Geography	956
Geology	5 890
Geology special equipment	5 544
Political Science	55
Psychology special equipment	1 936
Sociology and Anthropology special equipment	250
Speech special equipment	3 918
Temperature and humidity cases	200
Zoology and Physiology	3 115
Natural History Museum special equipment	1 924
Light horse program	7 188
Dixon Springs Experiment Station	6 096
Food Technology station	9 653
Aeronautical special equipment	9 455
Ceramics college special equipment	18 652
Civil college special equipment	10 161
Electrical college	2 168
Electrical college special equipment	5 524
Electrical special salaries and equipment	3 616
General Engineering Drawing	494
General Engineering Drawing special equipment	3 695
Mechanical college	170
Mechanical college special equipment	83 368
Physics college	1 506
Physics special expenses and equipment	13 933
Theoretical and Applied Mechanics college special equipment	1 890
Ceramics station	205
Civil station	4 000
Civil station special equipment	2 079
Measurement program	4 693
Mechanical station	686
Physical environment research	9 602
Physics station	795
Theoretical and Applied Mechanical station special equipment	2 130
Illinois Historical Survey	612
Illinois Studies	9 794
Scholarly publications	17 000
Special graduate research for botany—Emerson	1 053
General research for botany—Rhoades	2 495
Commerce administration	7 879
Commerce special equipment	3 828
Home Economics Education	247
University High School modernization	689
University High School special equipment	2 724
Bureau of Research and Service general	93
Architecture	1 470
Architecture special equipment	1 427
Art special equipment	6 114
Bureau of Community Planning	222
School of Music	3 000
Veterinary Medicine administration	752
Veterinary Medicine Pathology and Hygiene	254
Veterinary Medicine special equipment	1 932
Journalism	145
Institute of Communications Research	2 357
Institute of Labor and Industrial Relations	4 566
Institute of Labor and Industrial Relations special equipment	56
Physical Plant equipment	11 467
Renewals and replacements	130 689
Minor building remodeling	14 739

Airport temporary buildings.....	26 153
Robert Allerton Park remodeling and equipment.....	38 317
Temporary receiving station.....	22 000
<i>Total, Urbana-Champaign Departments.....</i>	<i>(604 787)</i>

CHICAGO PROFESSIONAL COLLEGES

Public Information.....	103
Nonacademic Personnel.....	80
Research and Educational Hospitals.....	11 505
Physical Plant.....	56 355
Medical betatron.....	29 580
Remodeling and equipment in Obstetrics.....	633
Remodeling Nonacademic Personnel Office.....	1 300
Lighting control in rooms 106-221-443.....	1 000
Public address systems in rooms 221-443.....	700
Projectors for Illustration Studios.....	600
Remodeling space for internal auditors.....	1 950
Remodeling Cashier's cage and Accounting Office.....	1 969
Equipment for Publications Office.....	50
Remodeling office of Dean of Medicine.....	1 100
Animal Hospital special equipment.....	2 501
Biological Chemistry equipment.....	1 810
Navy research study of convalescence.....	1 143
Student lockers in Dentistry.....	3 060
Research and Educational Hospitals special equipment.....	3 669
Remodeling room 38 Research and Educational Hospital.....	350
Locks for closet doors in Nurses Residence.....	585
Remodeling operating room vacuum system.....	2 000
Radiology equipment.....	529
Medicine special equipment.....	20 353
Pharmacy special equipment.....	3 320
Cages for Animal Hospital.....	12 000
Physical environment equipment.....	12 563
<i>Total, Chicago Professional Colleges.....</i>	<i>(170 808)</i>

CHICAGO UNDERGRADUATE DIVISION

College of Engineering.....	822
Library.....	9 141
Physical Plant.....	475
Engineering special equipment.....	4 569
Liberal Arts and Sciences special equipment.....	1 836
Remodeling and equipment for Architectural Library.....	5 605
Remodeling physical education facilities.....	19 144
<i>Total, Chicago Undergraduate Division.....</i>	<i>(41 592)</i>

GALESBURG UNDERGRADUATE DIVISION

Appropriation accounts.....	200 000
<i>Total for Sixty Days.....</i>	<i>\$1 017 187</i>

(Reappropriated for One Year)

URBANA-CHAMPAIGN DEPARTMENTS

Student Counseling Bureau.....	\$ 500
Surplus equipment.....	3 267
Electronic digital computer.....	44 644
Colloid chemistry—Buswell.....	1 190
School of Music.....	620
Auditorium organ console.....	12 000
Practice organs.....	18 000
Race and Florida research.....	8 948
Agriculture building remodeling.....	525

Agricultural Engineering Building remodeling	9 540
Agronomy Greenhouse addition	7 874
Alterations and service drive—Talbot Laboratory	1 739
Altgeld Hall remodeling room 315	1 766
Animal Genetics Building additions	51 705
Architectural services for future buildings	2 160
Architectural services for Huff Gymnasium	1 150
Architecture Building improved lighting	1 628
Armory remodeling	15 186
Band Building remodeling	779
Bevier Hall remodeling room 203	1 821
Brickmasons classroom—Service Building	309
Changes in administrative offices	7 772
Chemistry Building supplementary	56 957
Community and master plan	15 480
Daniel Street improvements	1 725
Davenport Hall remodeling room 406	11 010
Davenport House ventilating	988
David Kinley Hall architectural services	2 400
David Kinley Hall coat hooks	1 970
David Kinley Hall remodeling	18 349
Decompression chamber	1 644
Electrical Engineering Annex ventilation	697
Engineering building classrooms	1 312
Engineering services—Gregory Hall	700
Floriculture Building toilets	1 397
Generating equipment	43 617
Genetics Building remodeling	2 300
Gregory Hall offices	2 443
Gregory Hall remodeling rooms 105-309	998
Gregory Hall remodeling room 400	12 042
Gregory Hall remodeling rooms 120-121b	2 241
Horticulture Field Laboratory remodeling	11 850
Illini Hall rest rooms	1 732
Illini Hall third floor remodeling	38 000
Increase power plant turbine capacity	66 500
Land—Chicago	9 800
Leased property remodeling	11 167
McKinley Hospital emergency lighting	5 124
Military equipment storage	860
Mining and Metallurgical machine shop remodeling	1 519
Minor building remodeling	244
Mumford Hall remodeling	1 346
Natural History Building remodeling general	4 627
Natural History Building remodeling rooms 108-113	1 316
Natural History Building remodeling room 137	378
Natural History Building remodeling room 155	1 014
Natural History Building remodeling rooms 154-304-305	11 032
Natural History Building remodeling room 249	1 919
Newly acquired properties improvements	11 151
Noyes Laboratory remodeling room 170	5 847
Noyes Laboratory safety improvements	50 000
Old Gymnasium improvements	24 473
Parking facilities	35 821
Physics Building electrical improvements	30 000
Physics library remodeling	1 598
Purchase of property at Illinois and Mathews	25 000
Purchase of property at Sixth and John	24 000
Radiocarbon laboratory—125.2 Davenport Hall	2 189
Remodeling Radio Station Building studio	708
Sanitary Engineering Laboratory remodeling	854
Smith Music Hall improvements	7 533
Smith Music Hall redecorating	1 500

404 South Mathews remodeling	13
608 South Mathews	2 264
1007 South Wright remodeling	6 721
Springfield Avenue improvements	1 212
Staff housing Race and Florida	313 787
Talbot Laboratory remodeling	6 669
Temporary housing remodeling	2 510
Tennis courts—Illinois field	8 000
Veterans temporary recreation center	6 498
Veterinary Pathology Laboratory	30 663
Vivarium Building water supply	1 530
Warehouse	3 168
1208 West Springfield	2 149
<i>Total, Urbana-Champaign Departments</i>	(1 145 679)

CHICAGO PROFESSIONAL COLLEGES

Physical Plant	23 700
Remodeling for Physical Medicine	94 164
Architectural services for Biological Chemistry	10 000
Physical environment cold room	29 000
Dentistry special equipment	49 289
Otolaryngology equipment	3 148
Otolaryngology remodeling	5 300
<i>Total, Chicago Professional Colleges</i>	(214 601)
<i>Total for One Year</i>	\$1 360 280
<i>Grand Total</i>	\$2 377 467