

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**June 22, 1950**



The June meeting of the Board of Trustees of the University of Illinois was held in the Illini Union Building, at the University, in Urbana, on Thursday, June 22, 1950, beginning at 11 o'clock a.m., Central Daylight Saving Time.

When the Board convened in open session, the following members and officers were present: President Williamson, Mr. Fornof, Mr. Hickman, Mrs. Holt, Mr. Livingston, Mr. McLaughlin, Dr. Meyer, Mr. Nickell, Mrs. Watkins.

President Stoddard was present; also Provost C. R. Griffith, Dr. A. C. Ivy, Vice-President in charge of the Chicago Professional Colleges, Mr. A. J. Janata, Assistant to the President, Mr. H. E. Cunningham, Secretary, Mr. Lloyd Morey, Comptroller, Dean L. N. Ridenour, of the Graduate College, Dean H. R. Bowen, of the College of Commerce and Business Administration, and other members of the administrative and teaching staff.

**MINUTES APPROVED**

The Secretary presented the minutes of the meeting of April 19, 1950.

On motion of Dr. Meyer, the minutes were approved as printed on pages 1067 to 1120 above.

**MATTERS PRESENTED BY PRESIDENT STODDARD**

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

**CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

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

ALBERT JOHN ALLEN (N.C.)	HAROLD SCOTLAND HINDS (N.C.)
GEORGE EDWARD DELL (Mo.)	SEYMOUR KRAUS (Calif.)
HARRY BENFORD FRY (Mass.)	HARLEY BOB OLIVER (Okla.)
JULIUS JOEL GOTLIEB (Calif.)	STANLEY RAYMOND PRICE (Ind.)
HARRISON HENRY HALBE (Mo.)	DAVID SELMER VINE (Calif.)
THOMAS CLARENCE HILLIARD (Ohio)	

I concur.

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

**APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY**

(2) The faculty Committee on Accountancy recommends the appointment of Mr. Richard H. Grosse, of the firm of Haskins and Sells, 111 Monroe Street, Chicago 3, Illinois, as a member of the Board of Examiners in Accountancy for three years from July 1, 1950, to succeed Mr. Cyril Talbot whose term expires June 30.

I concur in this recommendation.

On motion of Dr. Meyer, this appointment was made as recommended.

**INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS  
ADVISORY COMMITTEE**

(3) The plan for the administrative organization of the Institute of Labor and Industrial Relations provides for an Advisory Committee composed of representatives in equal number of labor, management, and the public, due regard being given to including both urban and rural interests. In 1949, appointments in each group were made for terms of one, two, and three years respectively; appointments thereafter are to be for three years.

The Director of the Institute has recommended and I have approved the following appointments and reappointments beginning July 1, 1950:

*Public*

CHARLES SHUMAN, President, Illinois Agricultural Association, 43 East Ohio Street, Chicago; reappointed for three years.  
 FRED L. WHAM, Judge, United States District Court, Eastern District of Illinois, 611 East Third Street, Centralia, Illinois; reappointed for three years.  
 WILLIAM WIRTZ, Professor of Law, Northwestern University, Winnetka, Illinois; appointed for two years.  
 MRS. BERNICE T. VAN DER VRIES, member of the House of Representatives, Sixty-sixth General Assembly of Illinois, 439 Maple Avenue, Winnetka, Illinois; appointed in 1949 for three years.  
 JOHN E. CASSIDY, Attorney, member of the firm of Cassidy, Sloan, and Crutcher, Peoria; appointed in 1949 for two years.

*Labor*

JOSEPH GERMANO, President, Illinois State Industrial Union Council (C.I.O.), 205 West Wacker Drive, Chicago 6; Director of District 31 of the United Steel Workers of America; reappointed for three years.

- THOMAS J. HAGGERTY, Secretary-Treasurer, Chicago Milk Wagon Drivers' Union, Local 753, International Brotherhood of Teamsters, American Federation of Labor, 220 South Ashland Boulevard, Chicago; reappointed for three years.
- SAMUEL LEVIN, Vice-President, Amalgamated Clothing Workers' Union, 5005 Drexel Boulevard, Chicago; appointed in 1949 for three years.
- R. G. SODERSTROM, President, Illinois State Federation of Labor, Springfield, Illinois; appointed in 1949 for three years.
- CLINTON BUSH, State Legislative Chairman, Brotherhood of Locomotive Firemen and Enginemen, 105 East 70th Street, Chicago 37; appointed in 1949 for two years.

#### *Management*

- WAYNE A. JOHNSTON, President, Illinois Central Railroad, Chicago; reappointed for three years.
- COLONEL JOHN SLEZAK, President, Turner Brass Works, Sycamore, Illinois; appointed for three years.
- HENRY H. BOLZ, Secretary, Association of Commerce, Decatur; appointed in 1949 for three years.
- OLIVER E. MOUNT, Vice-President, American Steel Foundries, 410 North Michigan Avenue, Chicago; appointed in 1949 for three years.
- G. W. HOELSCHER, General Manager, East Side Manufacturers' Association, Granite City, Illinois; appointed in 1949 for two years.

All of these people have agreed to serve.

On motion of Mr. McLaughlin, these appointments were made as recommended.

#### APPOINTMENTS TO THE FACULTY MADE BY THE PRESIDENT OF THE UNIVERSITY

(4) The Secretary 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. G. F. ANDERSON, Assistant Professor of Education, beginning June 12, 1950, at an annual salary of \$5,500.
2. COLIN R. BLYTH, Assistant Professor of Mathematics, beginning September 1, 1950, at an annual salary of \$4,500.
3. RICHARD J. FALETTI, Assistant Professor of Law, beginning September 1, 1950, at an annual salary of \$5,500.
4. QUINCY HOWE, Visiting Associate Professor of Journalism and Communications, beginning September 1, 1950, at an annual salary of \$7,500.
5. PAUL M. MARCUS, Research Assistant Professor of Physics, beginning November 1, 1950, at an annual salary of \$5,400.
6. JOHN W. MARX, Assistant Professor of Physical Metallurgy, beginning September 1, 1950, at an annual salary of \$4,900.
7. EDWARD F. MOORE, Assistant Professor of Mathematics (Graduate College), beginning September 1, 1950, at an annual salary of \$4,200.
8. MERLE M. OHLSEN, Associate Professor of Education, and Head of Student Teaching, beginning September 1, 1950, at an annual salary of \$7,500.
9. ALBERT WATTENBERG, Assistant Professor of Physics, beginning September 1, 1950, at an annual salary of \$7,000.
10. CHARLES A. WERT, Research Associate Professor of Physical Metallurgy, beginning September 1, 1950, at an annual salary of \$5,500.

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

#### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE WITH HONORS IN THE LIBRARY SCHOOL

(5) The University Senate recommends the following requirements be established to designate graduation honors for the degree of Bachelor of Science in the Library School:

*Honors:* Average of 4.0 in all courses used for graduation, and no grade below B in any Library Science course.

*High Honors:* Average of 4.5 in all courses used for graduation, with no grade below B and with grades of A in at least one-half of the courses in Library Science.

*Highest Honors:* Average of 4.5 in all courses used for graduation, with grades of A in all courses in Library Science.

I concur.

On motion of Mr. Nickell, these requirements were established as recommended.

#### GRADUATE CURRICULA IN THE COLLEGE OF LAW

(6) The University Senate recommends the establishment of the following graduate programs in the College of Law.

##### *Curriculum Leading to the Degree of Master of Laws (LL.M.)*

###### I. Requirements for Admission:

1. The applicant must have received the first professional degree in law from a law school which has graduation requirements substantially the same as the University of Illinois College of Law.

2. The applicant must present evidence of ability to do satisfactory work at the graduate level. Normally no student will be admitted as a candidate for this degree unless he has a weighted grade average of 3.5 in all law-school work undertaken.

###### II. Requirements for the Degree:

1. One academic year in residence in the College of Law.

2. A course program approved by the Graduate Committee of the College of Law.

(a) The course program shall consist of eight units of work including at least two units of research.

(b) A grade average of 3.5.

3. A satisfactory thesis.

##### *Curriculum Leading to the Degree of Doctor of the Science of Law (J.S.D.)*

###### I. Requirements for Admission:

1. The applicant must have received the first professional degree in law from a law school which has graduation requirements substantially the same as the University of Illinois College of Law.

2. The applicant must present evidence of ability to do satisfactory work at the graduate level. Normally no student will be admitted as a candidate for this degree unless he has a weighted grade average of 4.0 in all law-school work undertaken.

3. The applicant must also present evidence that he has the capacity for independent research. Ordinarily this requirement may be met by the submission of satisfactory legal writing done while the applicant was a candidate for the LL.B. degree, or subsequent to the receipt of the degree.

###### II. Requirements for the Degree:

1. One academic year in residence in the College of Law.

2. A course program approved by the Graduate Committee of the College of Law.

(a) The course program shall consist of eight units of work including at least four units of research.

(b) A grade average of 4.0.

3. A satisfactory thesis, which shall be submitted not less than one year nor more than five years after the completion of the residence requirements.

4. A final oral examination.

If these programs are approved, the College of Law and the University Senate recommend that the present degree of Doctor of Law (J.D.) be discontinued. As presently administered this is not a graduate degree and it should be discontinued to avoid confusion with the degree of J.S.D.

I concur in these recommendations.

On motion of Mr. Fornof, these recommendations were adopted.



**CHANGES IN ELECTRICAL ENGINEERING CURRICULUM**

(7) The University Senate recommends the following changes in the undergraduate curriculum in Electrical Engineering.

*Power Engineering Option:* Discontinue Mechanical Engineering 182, Shop, and Mechanical Engineering 204, Mechanical Engineering Laboratory. Add Economics 108, Elements of Economics, and Economics 248, Personnel Administration. Add Electrical Engineering 347, Industrial Electronics, and Electrical Engineering 378, Power Transmission; these areas are not included in the present curriculum.

*Communication Engineering Option:* Discontinue Mechanical Engineering 182, Shop. Add Economics 108, Elements of Economics, and Economics 248, Personnel Administration.

*Illumination Engineering Option:* Discontinue Mechanical Engineering, Shop. Add Economics 108, Elements of Economics.

Changes in the Electrical Engineering courses are mostly rearrangement, renumbering, and new descriptions for existing course material.

I concur.

On motion of Mr. Hickman, these changes were approved as recommended.

**REVISION OF CURRICULUM IN PHARMACY**

(8) The University Senate recommends a complete revision of the four-year undergraduate curriculum leading to the degree of Bachelor of Science in Pharmacy. The changes were recommended by the faculty of the College of Pharmacy and follow the lines of recommendations of the National Curriculum Committee appointed by Dr. Edward C. Elliott (formerly President of Purdue University) who has been Director of the Pharmaceutical Survey of the American Association for Pharmaceutical Education.

Because of the development of new therapeutic agents, it is desirable to modernize several of the courses in the basic sciences. The other changes represent the addition of courses in the social sciences and business administration which it is felt are desirable in the development of the pharmacist as a citizen. The faculty of the Chicago Undergraduate Division at Navy Pier will help develop these courses.

All students will be required to complete the basic course of 189 credit hours and will be permitted to choose the remainder of the 202 credit hours required for graduation from electives (see Appendix, page 1250).

I concur in these recommendations.

On motion of Mr. McLaughlin, this curriculum was approved as revised.

**UNDERGRADUATE AND GRADUATE PROGRAMS IN  
FOOD TECHNOLOGY**

(9) The University Senate recommends establishment of the following undergraduate and graduate programs in food technology (see Appendix, page 1252).

The Graduate program has also been approved by the Executive Faculty of the Graduate College.

I concur in these recommendations.

On motion of Mrs. Watkins, these programs were approved as recommended.

**GRADUATE PROGRAM IN EDUCATION**

(10) The University Senate recommends the establishment of the following program leading to the degree of Master of Education and to the Advanced Certificate in Education (see Appendix, page 1254).

These proposals have also been approved by the Executive Faculty of the Graduate College.

I concur.

The Provost commented on this program.

On motion of Mr. Nickell, this program was approved as recommended.

### GRADUATE PROGRAM IN STATISTICS

(11) The University Senate recommends the establishment of a graduate program in statistics leading to the degree of Doctor of Philosophy. During the past fifty years there has been a tremendous growth of statistical ideas and methods, and progress is continuing at a rapid rate. Gains made both in the theory and practice of statistics have been of the utmost importance in many fields. With these developments has come the need for training people who can make contributions to both the theory and practice of statistical inference from quantitative data. The proposed doctoral program in statistics is intended to recognize these needs and to serve as a means of preparing people to fill them.

It is contemplated that those who wish to concentrate on research in the theory of statistics will continue to take a doctorate in mathematics with emphasis on analysis, statistics being a second major or a strong minor. Similarly, those who wish to concentrate on statistical research in another field—such as agronomy, economics, or psychology—will continue to take a doctorate in that field with a major or minor in statistics as required by the department in question.

The doctorate in statistics here outlined is intended for students who wish to concentrate on research in statistical methods. It provides those having a major interest in statistical theory with training for practice in one or more fields of application. It offers those having major interest in a subject matter the necessary background in statistical theory (see Appendix, page 1255).

This proposal has also been approved by the Executive Faculty of the Graduate College.

I concur.

Dean Ridenour commented on this program.

On motion of Dr. Meyer, this program was approved as recommended.

### GRADUATE PROGRAM IN BUSINESS

(12) The University Senate recommends the establishment of a graduate program leading to the degree of Doctor of Philosophy in Business. The purpose of this program is to prepare graduate students for positions in teaching and research in institutions of higher education; and for consulting and administrative work in both private business and public service (see Appendix, page 1256).

This program has also been approved by the Executive Faculty of the Graduate College.

I concur.

Dean Bowen and Dean Ridenour commented on this program.

On motion of Mr. McLaughlin, this program was adopted as recommended.

### RELEASE OF FUNDS FOR BUILDINGS AND OTHER CAPITAL IMPROVEMENTS

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

#### *Release No. 28*

"For Permanent Improvements at Chicago Construction of Utility Distribution System and Remodeling of Existing Buildings"..... \$ 16 187  
This is a partial release from an appropriation of \$190,000. The funds now released are for completion of the installation of new electrical feeders to the Illinois Surgical Institute and other areas including the Research Laboratories and Library units of the Medical and Dental College Laboratories Building in Chicago.

#### *Release No. 29*

"For Permanent Improvements at Urbana-Champaign For Land—acquisition of land for the extension of the campus"..... 190 000  
This is the total release of an appropriation of \$190,000.

*Release No. 30*

"For Permanent Improvements at Urbana-Champaign Additions to Power and Heating Plant and Remodeling of Existing Buildings"..  
 This is a partial release from an appropriation of \$1,215,000. The funds now released are for (1) furnishing and installing electrical equipment as part of the addition to the Power Plant (\$64,400), (2) fire protection improvements in the Natural History Building (\$62,500), and (3) remodeling of Physical Plant Service Building (\$207,500). 334 000

*Release No. 31*

"For Contingencies to Cover Expenditures for Purposes for which the Amount Appropriated in any Item Above Enumerated is, or becomes Insufficient"..... 23 000  
 This is a partial release from an appropriation of \$550,000. The funds now released are for the acquisition and installation of chemistry building equipment, supplementing Releases Nos. 1 and 2 of August 3, 1949.

I recommend that the funds released be appropriated for the purposes specified.

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

**SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES**

(14) The Committee on Nonrecurring Appropriations recommends assignments from the General Reserve Fund for the following purposes:

1. Department of Agronomy, equipment.....	\$20 000
2. Department of Agronomy, installation of fume hood in Davenport Hall. ....	2 000
3. Agronomy Greenhouse remodeling.....	2 500
4. Department of Animal Science, installation of sanitary facilities in Sheep Barn .....	3 600
5. Psychological Clinic, remodeling and extension of utilities in new quarters (1005 W. Nevada, Urbana).....	15 000
<i>Total</i> .....	\$43 100

I concur.

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

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

**REMODELING IN THE ARMORY FOR ARMED SERVICES**

(15) Since the Department of Naval Science has been in the Armory there has been insufficient office and classroom space. At present the administrative staff, accounting and supply section, and instructors are restricted to three offices (Rooms 239, 240, 241), and storeroom (Room 237) for books, uniforms, stationery, and office supplies.

Five instructors are now in one office. This arrangement is not conducive to efficient working conditions. Instructors are required to perform the greater part of their classroom preparation at home. A noisy and crowded office discourages students from discussing naval or scholastic problems with their instructors.

To relieve this crowded situation, the Physical Plant Department has pre-

pared a remodeling plan which will provide four new offices (three for Military Science and one for Naval Science) and one additional classroom, will improve security (for storeroom space), will eliminate corridor noise outside of three classrooms, and will provide better quarters for the carpenter shop used for construction of training aids. The estimated cost of this remodeling is \$12,000.

The Provost and Comptroller have reviewed the plans for this project and recommend approval. A special appropriation will be required.

I concur and recommend an appropriation of \$12,000 for this project.

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

#### **FENCING FOR NEW AGRICULTURAL FARMS**

(16) Improved fencing is required on farms recently acquired for agricultural purposes and on one of the outlying experiment farms: McCullough Farm, 160 acres; Sullivan Farm, 80 acres; Newton Agricultural Experiment Farm, 50 acres.

Present fencing is either inadequate or does not exist around areas where new plantings will be made or where land will be rehabilitated or used for grazing.

A committee of the College of Agriculture studied the needs and submitted a detailed report recommending amounts and types of materials to be used. The Dean of the College of Agriculture has requested an appropriation of \$6,600 for this purpose. The Provost and the Comptroller have reviewed the report and concur in the recommendation.

I concur and recommend a special appropriation be made from the General Reserve Fund.

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

#### **CONTRACT FOR CONSTRUCTION OF HOUSE ON NORTHERN ILLINOIS EXPERIMENTAL FIELD**

(17) An area of eighty acres on one of the Wright Farms in DeKalb County was assigned for use as an agricultural experimental field to replace a field formerly leased by the University, and is now known as the Northern Illinois Agricultural Experimental Field of the Agricultural Experiment Station. Donors have made grants of funds to the University for improvements of the field. The main service building and drives have been completed and electric power has been brought into the field. There remains in the trust fund for these improvements a balance of approximately \$14,000.

Bids have been taken on the construction of a dwelling for the resident technical man in charge of the field. The Director of the Agricultural Experiment Station and the Comptroller recommend the award of a contract for \$11,700 to Watts and Merriman of Shabbona, Illinois, the lowest bidder, for the construction of this house. The contract does not include the septic tank, water heater, lighting fixtures, and certain other accessories which will be installed by others. The estimated cost of these additional installations is approximately \$1,000.

The lowest bidder is a small and comparatively new company. The bid is not clearly defined as to some items. In case it is found the bid is inadequate according to specifications, or if this company is unable to submit a satisfactory performance bond, the Director and the Comptroller recommend that the contract be awarded to the next lower bidder, Guldbeck and Ekstrom, DeKalb, whose bid is \$12,375.

I concur in these recommendations.

On motion of Mr. Fornof, the award of this contract was authorized, under the terms and conditions stated.

**CONTRACT FOR REMODELING AND EQUIPMENT FOR DEPARTMENT OF PATHOLOGY, COLLEGE OF MEDICINE**

(18) The Director of the Physical Plant Department and the Comptroller recommend the award of a contract for \$5,197 to C. W. Haynes Company, Chicago, Illinois, the lowest bidder, for remodeling of rooms 467, 467-A, and 466-B, and the installation of plumbing, ventilating, and departmental equipment in the Medical and Dental College Laboratories Building.

Funds are available.

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

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

**STEAM SERVICE TO DEPARTMENT OF PUBLIC HEALTH**

(19) The Sixty-Fifth and Sixty-Sixth General Assemblies of Illinois appropriated funds to the Department of Public Health for the construction of a Tuberculosis Hospital in Cook County. This appropriation act includes a provision "that if arrangements are made for the construction of a central heating plant, to serve the said hospital building and other buildings in the Medical Center at a saving in heating costs to the State, the sum of \$280,000, or so much thereof as may be necessary, of the said sum of \$4,850,000, may be deducted from the construction cost of said hospital and used as part of the cost of constructing the said central heating plant."

The central heating plant to be constructed by the Medical Center Steam Company qualifies under this provision for the allotment of \$280,000. Since the University has contracted to take the entire output of the Medical Center Steam Company and has the right to furnish steam to other institutions, the Department of Public Health applied the \$280,000 of its appropriation toward the cost of the construction of the Medical Center Steam Company plant. The Medical Center Steam Company acknowledged receipt of the \$280,000 by executing a note for \$280,000, payable to the Board of Trustees of the University of Illinois. This is a non-interest bearing note, maturing on December 31, 1981, but payable at the option of the Medical Center Steam Company in whole or in part at any time prior to date of maturity. Steam will be furnished to the Tuberculosis Hospital at a rate based on cost of production.

This is submitted for record.

This report was received for record.

**TRANSPORT SERVICE AT UNIVERSITY AIRPORT**

(20) Parks Air Lines of East St. Louis, Illinois, has offered, subject to all necessary approvals of authorities, to initiate regular air transport service to and from the University of Illinois Airport, beginning on or about June 18, 1950.

On recommendation of the Director of the Institute of Aviation, and with the approval of the Provost, the following temporary arrangement has been approved by the Comptroller and the Legal Counsel's office.

1. University to provide landing area and parking ramp at \$75 a month for each scheduled landing; extra sections at \$2.50 a landing; present landing fees of \$.50 per capacity seat or \$2 per capacity ton to apply to charter trips.

2. Supplies and services to be furnished at University current prices.

3. General services (local ticket sales, battery cart service, line service, baggage handling, telephone and teletype, weather observations, waiting room, public address system, public protection, and fire protection) to be supplied for \$600 a month.

4. Payments to be monthly in advance.

This temporary arrangement is to become effective with the start of scheduled service and to continue for not more than six months, unless previously superseded by a formal agreement. Either party may terminate the arrangement on fifteen days' notice.

I recommend approval of this temporary arrangement and request authorization, if service is inaugurated and proves satisfactory, to negotiate a formal agreement to be submitted to the Board for approval.

On motion of Mr. Livingston, this arrangement was approved and authority was given as recommended.

**GRANTS IN AID FROM AMERICAN CANCER SOCIETY**

(21) From time to time the American Cancer Society makes grants in aid of research to the University and to members of its staff. The patent policy of the American Cancer Society includes the following provisions which are in disagreement with the University's patent policy.

"It is the policy of the American Cancer Society to allow investigators complete freedom to publish the results of their research in any scientific or medical journals selected by them as the best media for the most effective dissemination of the work. Because of this policy and the fundamental nature of the research projects which are being investigated, the problem of obtaining United States and foreign patents will seldom be presented.

"However, in the event that the question of patenting should arise, the principal investigator or grantee-institution concerned should inform the Executive Vice-President of the American Cancer Society concerning the matter, so that negotiations by the Society may be effected.

"Where a patent application is made, the policy of the American Cancer Society will apply, requiring the assignment of all patents to the Society; and the inventor shall receive a non-exclusive, irrevocable, royalty-free, and assignable license."

The Bursar of the University has corresponded with officials in the American Cancer Society in an effort to reconcile this disagreement. He reports that the Society is reluctant to make any change in a policy which it applies uniformly to a research program consisting of many individual contracts throughout the country.

In view of this, and since the intent of the Society's patent policy is identical with the University's, namely protection of public interest, I recommend that the Board authorize waiving the patent provisions of the University Statutes in so far as they apply to work done on a grant in aid from the American Cancer Society and authorize acceptance of the Society's policy, as stated above, in such cases.

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

**INVESTMENTS**

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

*Funds Held as a Reserve for  
Workmen's Compensation Benefits*

Purchase:

U.S.A. 1¼% Certificates of Indebtedness, due July 1, 1951.....\$20 000 00

*Endowment Funds*

Sales:

Phillips Petroleum Company, 200 rights.....	68 75
Pacific Gas and Electric Company, 220 rights.....	90 56

*Student Loan Funds*

Exchange:

\$30,000 U.S.A. 1¼%, Certificates of Indebtedness, due April 1, 1950, for  
\$30,000 U.S.A. Treasury notes, 1¼%, due July 1, 1951.

This report was received for record.

**COMPTROLLER'S REPORT OF CONTRACTS**

(23) The Comptroller's report of contracts executed in May, 1950 (see Appendix, page 1258).

This report was received for record.

**COAL RECEIVED FROM THE REPUBLIC COAL AND COKE COMPANY,  
JANUARY 1 TO APRIL 2, 1950**

(24) In accordance with the request of the Board of Trustees, the following report is submitted of coal deliveries by the Republic Coal and Coke Company during the period January 1 to April 2, 1950.

<i>Period Ending:</i>	3/19/50	3/26/50	4/2/50
Tonnage.....	731.25	1794.65	2061.30
	<i>Guaranteed</i>	<i>Actual</i>	<i>Actual</i>
Moisture.....	11.7%	13.4%	13.25%
Ash (moisture free).....	8.7% ± 1%	9.45%	9.46%
Sulfur (moisture free).....	2.8% ± 1%	3.18%	3.17%
B.T.U./lb. (moisture free)...	13,150 ± 2%	13,018	13,113
Percentage of Fines.....	20% ± 2%	22.98%	23.98%
			22.24%

Moisture and per cent of fines have been above guarantee. No penalty is provided for excess moisture. Contract provides tests for "fines" will be made from samples from conveyor belt. Since this coal was placed in storage such tests were impossible, but tests shown were made from the stockpile and indicate coal was substantially in accordance with the specifications.

This report was received for record.

#### AUTHORITY TO PURCHASE CATTLE

(25) The program for the purchase of feeding cattle for the Wright Farms for the 1950-1951 feeding season will be approximately as shown by the following schedule:

#### WRIGHT FARMS, DEKALB COUNTY, CATTLE FEEDING PROGRAM 1950-1951

<i>Buying Period</i>	<i>Number</i>	<i>Kind</i>	<i>Average Weight (pounds)</i>	<i>Price per Hundred Pounds</i>	<i>Total Cost</i>	<i>University Share</i>
<i>Farm No. 3</i>						
August	50	Calves	400	at \$30 00	\$ 6 000 00	\$ 3 000 00
August	40	Yearling Steers	625	at 27 50	6 875 00	3 437 50
September-October	60	Calves	450	at 30 00	8 100 00	4 050 00
October-November	35	Heavy Steers	800	at 27 50	7 700 00	3 850 00
Total	185				\$28 675 00	\$14 337 50
<i>Farm No. 4</i>						
August-September	50	Steer Calves	425	at \$30 00	\$ 6 375 00	\$ 3 187 50
August-September	50	Heifer Calves	400	at 28 00	5 600 00	2 800 00
Total	100				\$11 975 00	\$ 5 987 50
<i>Farms Nos. 6 and 7</i>						
August-September	50	Steer Calves	425	at \$30 00	\$ 6 375 00	\$ 3 187 50
October-November	25	Yearling Steers	650	at 28 50	4 631 25	2 315 62
October-December	25	Heavy Steers	800	at 27 50	5 500 00	2 750 00
Total	100				\$16 506 25	\$ 8 253 12
Total, All Farms	385				\$57 156 25	\$28 578 12

Purchases are made on the basis of current market prices when suitable stock is available and payment is due immediately. Under such conditions, it is impracticable to request the approval of the Board of Trustees prior to each transaction.

The Director of Purchases, the Comptroller, and Professor J. B. Andrews of the College of Agriculture request authority to purchase feeding cattle substantially in accordance with the above schedule when purchases are recommended by the farm manager. All such purchases will be reported to the Board of Trustees, and will be paid for from the Wright Farms operation income.

I concur.

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

#### PURCHASES

(26) A report of (A) emergency purchases authorized and (B) purchases recommended (see Appendix, page 1258).

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

**APPOINTMENT OF PROFESSOR LYLE H. LANIER AS  
HEAD OF THE DEPARTMENT OF PSYCHOLOGY**

(27) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Lyle H. Lanier, now Professor and Head of the Department of Psychology at New York University, as Professor and Head of the Department of Psychology to succeed Professor Herbert Woodrow who has been granted sabbatical leave of absence for the first semester of 1950-1951 and who will retire from active service on September 1, 1951. In the meantime, Professor Woodrow has requested that he be relieved of his duties as Head of the Department.

It is desirable to have Professor Lanier's appointment begin September 1, 1950, but this is conditional on when he can be released from his present position. In any event, he is prepared to come to the University of Illinois not later than February 1, 1951.

I recommend (a) that the Board approve this appointment now, and (b) that the Executive Committee of the Board be authorized to fix the terms upon recommendation of the President of the University.

On motion of Dr. Meyer, this appointment was authorized as recommended.

**STREET LIGHTING IMPROVEMENT IN CHAMPAIGN**

(28) The Campus Business Men's Association has been promoting the installation of a new street lighting system in the area adjacent to the University Campus on the Champaign side. The majority of the property owners have signed the petition for this improvement. The Association requests that the University participate by assuming its proportionate share of the costs as related to frontage of University property.

This proposal has been studied by the Comptroller, the Director of the Physical Plant, and the Chairman of the Building Program Committee. They have advised that the program will provide desirable improved illumination and is in the interest of vehicular and pedestrian safety. The project has been modified to conform to suggestions made by the University and the plan of construction is satisfactory. The University's share of the estimated cost of the improvement on the Champaign side is \$26,325.

An effort was also made to develop a similarly needed improvement on the Urbana side. City authorities and property owners affected proposed a plan which University officials do not believe would provide adequate illumination for vehicular and pedestrian traffic. An effort has been made to secure a change in the Urbana program but present indications are that it will not go forward.

I recommend that the Board of Trustees authorize the payment of the University's share of the new street lighting system on the Champaign side and that it record its agreement to participate in a comparable improvement on the Urbana side should municipal officials and property owners decide on a program of acceptable standard.

On motion of Mr. Fornof, this recommendation was adopted.

**CONTRACT FOR AGRONOMY GREENHOUSE PARTITION**

(29) There has been submitted, separately, a recommendation that an appropriation of \$2,500 be made for remodeling of the Agronomy Greenhouse. This will include the construction of glass partitions.

The Director of the Physical Plant and the Comptroller recommend award of a contract to Lord and Burnham, Des Plaines, Illinois, for \$1,311 for materials (steel posts and framing and glass) to be used in erecting the partitions. This company specializes in greenhouse construction. It provided the materials for the original greenhouse and the materials it will supply will fit the original design.

It is difficult to secure competitive bids on such materials because other firms usually are not interested in quoting on structural parts for greenhouses of other builders' designs and especially in the case of a small job.

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



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

**CONTRACT FOR INSTALLATION OF FLOOR DRAIN AND TROUGH,  
ROOM 563, DENTAL BUILDING, CHICAGO**

(30) The Director of the Physical Plant and the Comptroller recommend the award of a contract for \$1,552 to the Mutual Contracting Company, Chicago, the lowest bidder, for the installation of a waterproof, lead-lined drainage trough for a new battery of animal cages.

Funds are available in a special appropriation for the Animal Hospitals made by the Board of Trustees, February 16, 1950.

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

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

**CONTRACT FOR REMODELING SPACE AT NAVY PIER TO PROVIDE  
QUARTERS FOR THE R.O.T.C. PROGRAM**

(31) The Director of the Physical Plant and the Comptroller recommend the award of a contract for \$10,575 to Mueller Construction Company, Chicago, the lowest bidder, for remodeling space at Navy Pier to provide facilities for the Reserve Officers Training Corps program at the Undergraduate Division.

Funds are available in a special appropriation made by the Board of Trustees for this purpose.

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

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

**CONTRACT FOR PHOTOENGRAVING**

(32) During 1949-1950, the University has had a contract for photoengraving from G. R. Grubb and Company, Champaign, only local engraver. This contract was authorized by the Board of Trustees on June 25, 1949 (Minutes, page 482), on the basis of competitive bids, the bid of 3½¢ per unit by G. R. Grubb and Company being twenty per cent lower than the next higher bid.

The contract expires June 30, 1950, and G. R. Grubb and Company has offered to continue the contract for another year at the same price with provision for price adjustment if there is an increase in their wage contract during the period.

The price is low under current conditions as evidenced by the competitive bids received last year. No request has been received from any other engraver for this work. There is saving in time and money in having photoengraving work done locally, as frequent contact by University artists and printers with the engravers is necessary. G. R. Grubb and Company can supply the quality of engraving required in University work.

The Director of Purchases and the Comptroller recommend that the present contract with G. R. Grubb and Company be continued for 1950-1951 with provision for an adjustment in rates in the event of a wage rate increase. Estimated total expenditures are \$20,000.

I concur and request that the Comptroller and the Secretary of the Board be authorized to renew this contract on the modified basis.

On motion of Mrs. Watkins, this contract was continued and authority was given as recommended.

**FUNDS FOR PRELIMINARY PLANS FOR STUDENT AND  
STAFF HOUSING**

(33) On January 12, 1950 (Minutes, page 970), the Board appropriated \$10,000 for preliminary work on plans and specifications for the proposed Biology Building. Meanwhile federal funds for complete advance planning of this build-

ing have become available and all but \$106 remains unexpended in the University appropriation.

The University has received the report of Survey of Student Housing by Skidmore, Owings, and Merrill, authorized by the Board on July 28, 1949. This report constitutes the basis for preliminary planning for student and staff housing. The Building Program Committee has recommended that the unused balance in the Biology Building appropriation (\$9,894) be reassigned for this purpose.

I concur.

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

#### APPROPRIATIONS BY ATHLETIC ASSOCIATION

(34) The Board of Directors of the Athletic Association submits for approval the following appropriations from the contingency fund of the Athletic Association:

1. An appropriation for the expenses of the golf team to the N.C.A.A. meet at Albuquerque, New Mexico, \$1,100.

2. An appropriation for the Athletic Association's share of expenses of the Spring Coaches Clinic, \$1,063.

I recommend approval.

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

#### MEETING OF THE CHICAGO DEPARTMENTS COMMITTEE JUNE 15, 1950

Present: Dr. Karl Meyer, Mr. Park Livingston, and Mrs. Frances Watkins, members of the Committee; also Mr. Hilding Anderson, Mr. David H. Brill, and Dr. Walter Theobald, representing the Medical Center Commission; and Dr. A. C. Ivy, Vice-President in charge of the Chicago Professional Colleges.

The Committee met at Hotel LaSalle on June 15, 1950, to consider the proposed offer, conveyance, and lease between the University of Illinois and Medical Center Commission in connection with the proposed housing project on the Chicago campus.

The proposed documents were discussed in view of Dr. Ivy's recent letter to the Medical Center Commission.

Dr. Theobald stated that the members of the Commission present had the power to act for the Commission.

After discussion, two changes were agreed on and incorporated in the proposed documents.

The Chicago Committee of the Board of Trustees recommends that the documents prepared by Chapman and Cutler, and executed by the Medical Center Commission, be approved by the Board of Trustees (see Appendix, page 1261).

KARL A. MEYER, *Chairman*  
PARK LIVINGSTON  
FRANCES WATKINS

Dr. Ivy commented on this matter.

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

#### RECESS FOR LUNCHEON

At this point, at 12:30 p.m., a recess was taken for luncheon.

#### AFTERNOON SESSION, JUNE 22, 1950

When the Board convened at 1:30 p.m. for the afternoon session, the same members and officers were present as during the morning session.

**MR. H. E. CUNNINGHAM TERMINATES WORK AS SECRETARY**

President Williamson read the following letter from the Secretary.

June 22, 1950

TO THE BOARD OF TRUSTEES:

This is my formal request for leave of absence from my duties and activities as Secretary of the Board, effective July 1, 1950, and continuing through March 31, 1951, as previously arranged.

As I terminate my active service as Secretary, I must express my appreciation of the confidence the Board has had in me over the years, and of the pleasure I have had in such close association with the members of the Board.

Sincerely yours,

H. E. CUNNINGHAM  
*Secretary*

President Williamson, Dr. Meyer, Mr. Livingston, Mr. Fornof, and other members of the Board expressed their appreciation of the Secretary and his long service.

On motion of Mr. Livingston, the Secretary was given leave as requested.

Dr. Karl A. Meyer presented the following tribute and moved its adoption:

MR. PRESIDENT:

As the senior member of the Board of Trustees of the University of Illinois in number of years of service, it is my privilege to speak of the work of our retiring Secretary, Mr. Harrison Edward Cunningham.

In his forty years on the staff of the University—thirty-six of them as Secretary of the Board of Trustees—Mr. Cunningham has served many Boards of Trustees. He has done his work well, with serenity, dignity, and with unfailing courtesy to all who have held the office of University Trustee.

Through the years we who have known him best have taken these things for granted, scarcely noting how much they have meant to us. But now, as he is about to retire, we desire to take this occasion to record our appreciation for all he has done for us, for his devotion and many years of fine service to the University of Illinois. His career is woven into four decades and some of the glorious chapters in the University's history.

We wish for him and Mrs. Cunningham good health and happiness for many, many years to come.

I ask, Mr. President, that this tribute be made a permanent record in today's transactions of the Board of Trustees, and that a suitable engrossed copy, signed by all members of the Board, be given to Mr. Cunningham as a tangible expression of our appreciation.

And this tribute was unanimously adopted and ordered spread upon the minutes.

**MR. A. J. JANATA ELECTED SECRETARY**

On nomination and motion of Mr. Livingston, Mr. A. J. Janata was elected Secretary of the Board of Trustees, effective July 1, 1950.

**REPORT ON CASE OF PROFESSOR R. H. BLODGETT**

President Stoddard presented the report of a fact-finding committee appointed by the Provost to investigate and report on the question of possible violation of academic freedom in the College of Commerce and Business Administration, leading to the resignation of Professor Ralph H. Blodgett. The committee consisted of Dean A. J. Harno, Chairman, Director F. S. Siebert, and Professor F. Wheeler Loomis (see Appendix, page 1269).

With the report of the fact-finding committee, President Stoddard

presented his comments on the report and on conditions in the Department of Economics and the College of Commerce and Business Administration (see Appendix, page 1276).

President Stoddard read his statement.

After the reading of the report, the matter was discussed and commented on by members of the Board and of the audience.

On motion of Mr. Livingston, the report was accepted, and the President was requested to provide copies for the public.

#### SECRETARY'S REPORT OF CONTRACTS

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

Chicago Title and Trust Company, Deposit Agreement, \$700,000 Student-Staff Apartments (Second Unit) Revenue Bonds.

#### SECRETARY'S REPORTS

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

1. Appointments made by the President of the University (page 1191).
2. Graduate fellows (page 1193).
3. Resignations and declinations (page 1194).
4. Leaves of absence (page 1195).
5. Degrees granted in June (page 1196).

The Board adjourned.

H. E. CUNNINGHAM

*Secretary*

KENNEY E. WILLIAMSON

*President*

## 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.)

- ANDERSON, G. F., Assistant Professor, Education (Division of Teacher Placement) (University Council on Teacher Education), June 12, 1950-August 31, 1951, \$5500 a year (5-18-50).
- BARBER, THOMAS K., Instructor, Graduate Pedodontia ( $\frac{1}{2}$ ), and in Operative Dentistry ( $\frac{1}{2}$ ) (Dentistry), five months beginning April 1, 1950, \$300 a month (5-22-50).
- BENDER, COLEMAN C., Instructor, Speech ( $\frac{1}{2}$ ), six months beginning September 1, 1950, to render service during the first semester of the academic year, \$141.67 a month (5-24-50).
- BLAND, GEORGE F., Research Assistant, Electronic Digital Computer (Graduate College), two months beginning June 1, 1950, \$300 a month, supersedes (6-3-50).
- BLOMQUIST, CONRAD A., Instructor, Zoology (Pharmacy), academic year beginning September 1, 1950, \$3900 (5-18-50).
- BLYTH, COLIN R., Assistant Professor, Mathematics, academic year beginning September 1, 1950, \$4500 (5-18-50).
- BOBER, M. M., Economics, Summer Session, 1950, June 23-August 19, 1950, \$1178 (6-7-50).
- BRASMER, TIMOTHY H., Instructor, Veterinary Clinical Medicine (Veterinary Medicine), July 1, 1950-August 31, 1951, \$4000 a year (5-18-50).
- BRAUNFELD, MRS. JOHANNA, Humanities (Undergraduate Division in Chicago), Summer Session, 1950, eight weeks beginning June 26, 1950, \$845, supersedes (6-15-50).
- BRELAND, HERMAN L., Assistant, Soil Fertility (Agronomy) (S), April 16-August 31, 1950, \$3400 a year, supersedes (5-18-50).
- BRENNAN, LAWRENCE E., Special Research Associate, Electrical Engineering (S), four months beginning May 1, 1950, \$320 a month (6-2-50).
- BURNS, KENNETH, Instructor, Speech, academic year beginning September 1, 1950, \$3800 (6-1-50).
- CAIRNS, STEWART S., Professor, Mathematics (Graduate College) ( $\frac{2}{3}$ ), three months beginning June 1, 1950, \$1400, in addition to present appointment (6-1-50).
- CAPRON, WILLIAM M., Assistant Professor, Economics (Economics), and Research Assistant Professor, Economics (Bureau of Economics and Business Research), two months beginning July 1, 1950, \$475 a month, in addition to present appointment (6-15-50).
- COLBY, MRS. MARY M., Social Sciences (Undergraduate Division in Chicago), Summer Session, 1950 (83/100), \$738 (6-15-50).
- DELL, G. H., Civil Engineering, Summer Session of 1950, July 31-September 2, 1950, \$722, supersedes (6-7-50).
- DIECKAMP, H. M., Research Assistant, Physics (C), one year beginning September 1, 1950, \$3240 (5-24-50).
- EVERSON, TILDEN C., Clinical Instructor, Surgery (Medicine), five months beginning April 1, 1950, without salary, supersedes (5-18-50).
- FALETTI, RICHARD J., Assistant Professor, Law, academic year beginning September 1, 1950, \$5500 (5-18-50).
- FARRIS, DOROTHY F., Temporary Head Resident, Evans Hall, two months beginning June 20, 1950, \$360 (for the convenience of the University, she will also be provided room valued at \$10 a month, and board during period when food service is in operation, valued at \$21 a month), supersedes (6-8-50).
- FELDMAN, DAVID, Research Associate, Physics (C), three months beginning June 16, 1950, \$350 a month (5-22-50).
- FLABBE, BETTY J., Personnel Technician, Student Counseling Bureau, three months beginning June 1, 1950, \$233.33 a month (6-8-50).
- FULLER, JOSEPH A., JR., Research Assistant, Chemistry (Graduate College), June 15-August 31, 1950, \$666.65 (6-16-50).

- GOTTNEID, ALLAN J., Research Assistant, Psychology (Liberal Arts and Sciences), and (Graduate College), ten months beginning September 1, 1950, \$2666.60 (5-18-50).
- GRANDT, ALTEN F., Special Research First Assistant, Soil Fertility (Agronomy) (S), eight months beginning January 1, 1950, \$4000 a year, supersedes (5-18-50).
- GUILLEMIN, VICTOR, JR., Professor, Biophysics (Physiology) (Medicine), indefinite tenure beginning September 1, 1950, to render service during each academic year, without salary (5-18-50).
- HARTOCH, ARNOLD J., Humanities (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$867, supersedes (6-15-50).
- HORWITZ, IRWIN D., Clinical Instructor, Otolaryngology (Medicine), one year beginning May 1, 1950, without salary, supersedes (6-1-50).
- HOWE, QUINCY, Visiting Associate Professor, School of Journalism and Communications, academic year beginning September 1, 1950, \$7500 (6-14-50).
- JENTSCHKE, W. K., Research Assistant Professor, Physics (C), one year beginning July 1, 1950, \$6600, supersedes (5-18-50).
- KIRKPATRICK, MRS. ALICE C., Research Assistant, Bureau of Economic and Business Research, two months beginning July 1, 1950, \$400 a month (6-16-50).
- LUDWIG, MERRITT C., Research Assistant, Institute of Communications Research ( $\frac{1}{2}$ ), one year beginning September 1, 1950, \$1800 (5-18-50).
- LUECKING, EVELYN M., Research Assistant, Bureau of Research and Service ( $\frac{1}{2}$ ), three months beginning June 1, 1950, \$116.67 a month (5-22-50).
- MARCUS, PAUL M., Research Assistant Professor, Physics (C), ten months beginning November 1, 1950, \$5400 a year (5-24-50).
- MARTIN, GEORGE E., Research Associate, Bureau of Economic and Business Research, two months beginning July 1, 1950, \$400 a month (6-16-50).
- MARX, JOHN W., Assistant Professor, Physical Metallurgy (Mining and Metallurgical Engineering) (C), one year beginning September 1, 1950, \$4900 (6-8-50).
- McELDOWNEY, H. B., Architecture (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$834 (6-15-50).
- McPHERSON, FRANCES, Assistant, Physical Education for Women, nine months beginning September 16, 1950, \$3000 a year (6-1-50).
- MEDUNA, LADISLAS J., Professor, Psychiatry (Medicine), indefinite tenure beginning March 15, 1950, \$7350 a year, supersedes (6-9-50).
- MENDEL, CLIFFORD W., Administrative Assistant, Provost's Office, two months beginning June 15, 1950, \$722, in addition to present appointment (6-13-50).
- MIKOLAJCZYK, H. L., Architecture (Undergraduate Division in Chicago), Summer Session of 1950 ( $\frac{3}{5}$ ), eight weeks beginning June 26, 1950, \$534 (6-15-50).
- MULLANEY, JAMES T., Lecturer, Legal Medicine (Criminology and Legal Medicine) (Medicine), three months beginning April 1, 1950, \$300 (5-18-50).
- OHLSSEN, MERLE M., Associate Professor, Education, and Head of Student Teaching, (University Council on Teacher Education), two years beginning September 1, 1950, \$7500 a year (5-18-50).
- PEARLSTEIN, EDGAR A., Research Associate, Physics (C), one year beginning July 1, 1950, \$4200 (5-18-50).
- PETERSON, F. L., Research Assistant, Physics (C), one year beginning September 1, 1950, \$3600 (5-24-50).
- PIERCE, BEVERLY J., Nursery School (Division of Special Services for War Veterans), Summer Session of 1950 (5/7), June 23-August 19, 1950, \$420 (6-7-50).
- PUERNELL, ISABELLE, Research Assistant, Bureau of Economic and Business Research, two months beginning July 1, 1950, \$333.33 a month (6-16-50).
- RASOR, N. S., Research Assistant, Physics (C), June 15-August 31, 1950, \$270 a month (6-16-50).
- RIDER, RICHARD L., Instructor, Visual Communications ( $\frac{1}{4}$ ), and Instructor, Journalism ( $\frac{1}{4}$ ), academic year beginning September 1, 1950, \$1800 (5-18-50).
- RIESEN, D. E., Research Assistant, Physics (C), one year beginning September 1, 1950, \$3600 (6-1-50).

- ROACH, CAROL, Speech, Summer Session of 1950, June 26-August 19, 1950, \$534, supersedes (6-15-50).
- SCHULTZ, R. E., Instructor, Education (Division of Teacher Placement) (Education), one year beginning September 1, 1950, \$4200 (5-18-50).
- SHAPIN, THEODORE, JR., Research Assistant, Electronic Digital Computer (Graduate College), June 15, 1950-August 31, 1951, \$3720 a year, supersedes (6-13-50).
- SHAPIRO, M. D., Research Assistant, Electronic Digital Computer (Graduate College), July 1, 1950-August 31, 1951, \$3480 a year, supersedes (6-13-50).
- SHOPEN, K. G., Art (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, \$919 (6-15-50).
- SLIFKIN, L. M., Research Associate, Physics (C), one year beginning September 1, 1950, \$4200 (6-1-50).
- SOUTHWICK, HARRY, Instructor, Surgery (Medicine), six months beginning April 1, 1950, without salary, supersedes (5-22-50).
- STERN, HARRIET R., Laboratory Assistant, Entomology (Graduate College), three months beginning June 1, 1950, \$600, supersedes (6-16-50).
- STRUICK, RUTH R., Assistant, Mathematics (Graduate College), seven months beginning July 1, 1950, \$250 a month (6-16-50).
- VEINUS, ABRAHAM, Music, Summer Session of 1950, June 23-August 19, 1950, \$1200 (6-7-50).
- VIEST, IVAN, Research Associate, Theoretical and Applied Mechanics (S) ( $\frac{1}{2}$ ), one year beginning June 16, 1950, \$2100, supersedes (6-15-50).
- VON FOERSTER, HEINZ M., Research Associate Professor, Electrical Engineering (C), four months beginning May 1, 1950, \$583.33 a month, supersedes (4-26-50).
- WAGNER, HELEN L., Instructor, Physical Education for Women, academic year beginning September 1, 1950, \$3800 (5-24-50).
- WATTENBERG, ALBERT, Assistant Professor, Physics (C), academic year beginning September 1, 1950, \$7000 (5-18-50).
- WENIG, P. W., Assistant, Psychology, nine months beginning September 16, 1950, \$2400 (5-24-50).
- WERT, CHARLES A., Research Associate Professor, Physical Metallurgy (Mining and Metallurgical Engineering (S), indefinite tenure beginning September 1, 1950, \$5500 a year (5-18-50).
- WHITE, MRS. ELWANDA D., Research Assistant, Home Economics (C), February 20-August 31, 1950, \$3200 a year (5-18-50).
- WIER, JOSEPH M., Research Assistant, Electronic Digital Computer (Graduate College), one year beginning September 1, 1950, \$3600 (6-13-50).
- WILSON, CHARLES M., Bacteriology, Summer Session of 1950, June 23-August 19, 1950, \$1045 (6-7-50).
- WU, SHI-SHU, Research Assistant, Physics (C), full time, two months beginning June 15, 1950, \$270 a month, and ( $\frac{1}{2}$ ), September 16, 1950-January 31, 1951, \$135 a month (6-16-50).
- ZAGOL, STANLEY, Assistant, Institute of Labor and Industrial Relations, two months beginning July 1, 1950, \$266.66 a month, supersedes (6-16-50).

#### GRADUATE FELLOWS

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

- BHATTACHARJEE, JYOTI P., Booth Fellow, Agricultural Economics, one year beginning February 1, 1950, \$1500, supersedes (5-17-50).
- EARLE, NORMAN W., Gulf Oil Research and Development Company Fellow, Entomology, one year beginning May 1, 1950, \$1500 (6-8-50).
- ECKERT, ROGER E., Fellow, Chemical Engineering, nine months beginning September 16, 1950, \$1000, supersedes (5-17-50).
- MARTIN, RICHARD E., Consolidated Vultee Aircraft Corporation Fellow, Aeronautical Engineering, nine months beginning September 16, 1950, \$750 (6-7-50).
- REEDER, WALTER D., Consolidated Vultee Aircraft Corporation Fellow, Aeronautical Engineering, nine months beginning September 16, 1950, \$750 (6-7-50).
- REITAN, EARL A., Laurence M. Larson Memorial Fellow, History, \$250 (5-31-50).
- SEN, SUBHIR, Postdoctoral Fellow, Ceramic Engineering, three months beginning June 15, 1950, \$600 (5-19-50).

- SOWMAN, HAROLD G., Titanium Alloy Manufacturing Company Fellow, Ceramic Engineering, ten months beginning September 1, 1950, \$1800 (6-9-50).  
WICK, ROBERT S., Standard Oil Company of Indiana Fellow, Mechanical Engineering, ten months beginning September 1, 1950, \$1500 (5-26-50).

#### RESIGNATIONS AND DECLINATIONS

- ADAMS, CATHARINE, Education, Summer Session of 1950—declination effective 6-23-50.  
ALBRIGHT, W. G., Electrical Engineering, Summer Session of 1950—declination effective 6-23-50.  
ANDERLIK, MRS. BARBARA C., Special Research Assistant, Chemistry (Graduate College)—resignation effective 6-1-50.  
AUMANN, ROBERT J., Fellow, Mathematics—declination effective 9-16-50.  
BAKER, MELVIN C., Counselor, University Council on Teacher Education—resignation effective 8-31-50.  
BRODBECK, A. J., Assistant Professor, Psychology—resignation effective 9-1-50.  
BROWN, WILLIAM B., Flight Instructor, Institute of Aviation—resignation effective 7-1-50.  
BUCKLEY, NORMAN A., Special Research Assistant, Mechanical Engineering (S)—resignation effective 8-1-50.  
BURNS, ALETA V., Research Assistant, Pediatrics (Medicine)—resignation effective 6-14-50.  
COBB, A. C., Theoretical and Applied Mechanics (Undergraduate Division in Chicago), Summer Session of 1950—declination effective 6-26-50.  
COULTAS, THOMAS A., Instructor, Mechanical Engineering (C)—resignation effective 8-31-50.  
CROFT, MARJORIE L., Instructor, Mathematics (Undergraduate Division in Chicago)—resignation effective 8-31-50.  
CUTSHALL, A. D., Social Sciences (Undergraduate Division in Chicago), Summer Session of 1950—declination effective 6-26-50.  
DAHLAN, JOSEPH G., Fellow, Management—declination effective 9-16-50.  
DEASON, H. E., Instructor, Agricultural 4-H Club Work (E)—resignation effective 7-31-50.  
DRELL, SIDNEY D., Special Research Associate, Physics (S)—resignation effective 6-6-50.  
EVANS, MRS. JOSEPHINE F., English, Summer Session of 1950—declination effective 6-23-50.  
FELDMAN, DAVID, Research Associate, Physics (C)—declination effective 6-16-50.  
FLANDERS, D. P., Economics, Summer Session of 1950—declination effective 6-23-50.  
FRANKS, MARY L., Library School Library Assistant, Public Service—resignation effective 9-1-50.  
FRIEDLEY, ALYCE C., Instructor, Chemistry (Pharmacy)—resignation effective 8-31-50.  
GALPIN, AUDREY, English, Summer Session of 1950—declination effective 6-23-50.  
GILLENWATER, VIRGIL W., Counselor, University Council on Teacher Education—resignation effective 8-31-50.  
GOLDHABER, MRS. GERTRUDE S., Special Research Assistant Professor, Physics (S)—resignation effective 6-10-50.  
GREENBERG, RICHARD A., E. R. Squibb and Sons Fellow, Bacteriology—resignation effective 6-11-50.  
GREENWELL, BENJAMIN E., Upjohn Company Fellow, Chemistry—resignation effective 7-1-50.  
GRIMELLI, LUKE J., Assistant Physician, Health Service (Chicago Professional Colleges)—resignation effective 7-1-50.  
HALVORSON, H. O., Bacteriology, Summer Session of 1950—declination effective 6-23-50.  
HEWLETT, MRS. MARILYN N., Instructor, English (Undergraduate Division in Chicago)—resignation effective 8-31-50.  
HEYER, ALBERT W., Assistant Professor, Psychology—resignation effective 9-1-50.  
HOGUE, ARTHUR R., Assistant Professor, History—resignation effective 9-1-50.



- HOROWITZ, RACHEL L., Research Assistant, Physiology (Medicine) — resignation effective 6-3-50.
- KARPINSKI, R. W., Physical Sciences (Undergraduate Division in Chicago), Summer Session of 1950 — declination effective 6-26-50.
- KIRKPATRICK, MRS. ALICE C., Business Organization and Operation, Summer Session of 1950 — declination effective 6-23-50.
- KLIGER, PAUL I., Research Assistant, Labor and Industrial Relations (Institute of Labor and Industrial Relations) — resignation effective 5-31-50.
- KRIDER, J. L., Professor, Animal Science (C & S) — resignation effective 7-12-50.
- LAING, A. K., Architecture, Summer Session of 1950 — declination effective 6-23-50.
- LANGEBARTEL, R. G., Instructor, Mathematics — resignation effective 9-1-50.
- LARSON, R. F., Mechanical Engineering, Summer Session of 1950 — declination effective 6-23-50.
- MARROQUIN, ALEJANDRO D., Instructor, Spanish — resignation effective 9-1-50.
- MATTHEWS, EDITH, Nursery School (Division of Special Services for War Veterans), Summer Session of 1950 — declination effective 6-23-50.
- MCGRATH, G. D., Associate Professor, Education, Director, Teacher Education (Education), and Associate Professor, Education (E), and Assistant Co-ordinator, Teacher Education (University Council on Teacher Education) — resignation effective 9-1-50.
- MIHELICH, J. W., Special Research Assistant, Physics (C) — resignation effective 5-20-50.
- MILLER, L. H., JR., Physical Education for Men (Undergraduate Division in Chicago), Summer Session of 1950 — declination effective 6-26-50.
- POLK, H. K., Electrical Engineering, Summer Session of 1950 — declination effective 6-23-50.
- POLLI, JOHN F., Research Fellow, Toxicology (Medicine) — resignation effective 6-1-50.
- RICHARDSON, J. F., Art (Undergraduate Division in Chicago), Summer Session of 1950 — declination effective 6-26-50.
- SILIN, JACQUELINE, Fellow, Psychology — declination effective 9-16-50.
- SPROW, MRS. CLEMENTINE H., Engineering Library Assistant, Library — resignation effective 7-15-50.
- SWENGEL, MRS. BEULAH, Instructor, Speech, and Supervisor of Children's Speech — resignation effective 9-1-50.
- WADSWORTH, JAMES H., Instructor, Veterinary Anatomy and Histology (Veterinary Medicine) — resignation effective 8-31-50.
- WENDT, ROGERS H., Fellow, Economics — declination effective 9-16-50.
- WOOD, MRS. CORDILL H., Clinical Psychotherapist, and Instructor, Mental Hygiene (Health Service) — resignation effective 6-20-50.

#### LEAVES OF ABSENCE

- DUNLOP, KATHLEEN, Research Assistant, Bureau of Economic and Business Research — leave of absence, without salary, July 14-August 31, 1950.
- JUGENHEIMER, ROBERT W., Professor, Plant Genetics (Agronomy) (C & S) — leave of absence, without salary, June 10-November 10, 1950.
- KIRK, S. A., Professor, Education — leave of absence, without salary, July 22-October 29, 1950.
- McLURE, WILLIAM P., Associate Professor, Bureau of Research and Service (Education) — leave of absence, without salary, July 1-August 31, 1950.
- WEIBEL, R. O., Assistant Professor, Crop Production and Plant Genetics (Agronomy) (S) — leave of absence, without salary, June 1-September 1, 1950.

**DEGREES CONFERRED**

## Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	93
Doctor of Education.....	3
Civil Engineer.....	2
Electrical Engineer.....	2
Mechanical Engineer.....	3
Master of Education.....	6
Master of Social Work.....	7
Master of Arts.....	141
Master of Science.....	421
Master of Fine Arts.....	5
Master of Music.....	1
<i>Total, Graduate College.....</i>	<u>684</u>

## Degrees in Law, conferred at Urbana:

Bachelor of Science.....	16
Bachelor of Laws.....	36
Doctor of Law.....	8
<i>Total, Law.....</i>	<u>60</u>

## Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	282
Bachelor of Science, College of Engineering.....	644
Bachelor of Arts, College of Liberal Arts and Sciences.....	403
Bachelor of Science, College of Liberal Arts and Sciences.....	340
Bachelor of Science, Library School.....	11
Bachelor of Science, College of Education.....	125
Bachelor of Science, College of Commerce and Business Administration.....	419
Bachelor of Science, School of Journalism and Communications....	135
Bachelor of Science, College of Fine and Applied Arts.....	151
Bachelor of Fine Arts, College of Fine and Applied Arts.....	56
Bachelor of Music, College of Fine and Applied Arts.....	5
Bachelor of Science, School of Physical Education.....	64
Bachelor of Science, Division of Special Services for War Veterans..	378
Bachelor of Science, College of Veterinary Medicine.....	24
<i>Total, Baccalaureate Degrees.....</i>	<u>3,037</u>

*Total, Degrees Conferred at Urbana.....* 3,781

## Degrees in Dentistry, conferred in Chicago:

Bachelor of Science in Dentistry.....	18
Doctor of Dental Surgery.....	54
<i>Total, Dentistry.....</i>	<u>72</u>

## Degrees in Medicine, conferred in Chicago:

Bachelor of Science in Medicine.....	27
Bachelor of Science in Occupational Therapy.....	14
Doctor of Medicine.....	158
<i>Total, Medicine.....</i>	<u>199</u>

## Degrees in Nursing, conferred in Chicago:

Diplomas in Nurse Training.....	(18)
Bachelor of Science in Nursing.....	1

## Degrees in Pharmacy, conferred in Chicago:

Bachelor of Science in Pharmacy.....	84
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## Degrees in the Graduate College, conferred in Chicago:

Doctor of Philosophy.....	5
Master of Science.....	36
<i>Total, Graduate College.....</i>	<u>41</u>

*Total, Degrees Conferred in Chicago.....* 397

*Total, Urbana and Chicago.....* 4,162

*Degrees Conferred June 18, 1950, at Urbana***GRADUATE COLLEGE****Degree of Doctor of Philosophy***In Agricultural Economics*

GLEN THURSTON NELSON, B.S., M.S., Utah State Agricultural College, 1942, 1947  
 DONALD BIRTALL WILLIAMS, B.S., Sydney University, 1943; B.Com., Melbourne University, 1947; M.S., 1949

*In Agronomy*

DENTON EUGENE ALEXANDER, B.S., 1941  
 PAO HUA LIU, B.S., M.S., National Central University, 1940, 1944  
 RUH-HWA MA, B.S., University of Nanking, 1934; M.S., 1946

*In Animal Science*

KENNETH AUSTIN BURKE, A.B., A.M., McMaster University, 1944, 1945  
 GEORGE EDWARD ROBINSON, JR., B.S., Alcorn Agricultural and Mechanical College, 1942; M.S., 1945

*In Bacteriology*

BERNARD ALBERT STEINBERG, A.B., New York University, 1947; M.S., 1948

*In Botany*

JOHN WALTON HALL, B.S., M.S., Massachusetts State College, 1940, 1942  
 TAKUMA TANADA, B.S., M.S., University of Hawaii, 1942, 1944

*In Ceramic Engineering*

WILLIAM DANIEL FITZPATRICK, B.S., M.S., 1941, 1947  
 SUDHIR SEN, B.S., Patna University, 1938; M.S., University of Calcutta, 1940

*In Chemical Engineering*

FRANK OSCAR EKMAN, B.A.Sc., M.A.Sc., University of British Columbia, 1944, 1946  
 NOEL EDWARD NORMAN, B.S., University of Western Australia, 1943; M.S., 1948  
 JOHN FREDERICK TAYLOR, B.S., Louisiana State University, 1945; M.S., 1948  
 ROBERT DANIEL TOOMEY, B.S., M.S., University of Washington, 1945, 1946

*In Chemistry*

ARNOLD HENRY ANDEREGG, A.B., Montana State University, 1940  
 JOHN LYNDE ANDERSON, B.Chem., University of Minnesota, 1947; M.S., 1948  
 ROBERT LYNN BOHON, B.S., 1946  
 ARCHIE GIRARD BUYERS, B.S., Haverford College, 1943; M.S., 1947  
 PHILIP DORNIN CAESAR, B.S., Yale University, 1939; M.S., 1948  
 ROBERT EDWARD CARNAHAN, B.S., University of Wisconsin, 1947; M.S., 1948  
 JEAN VEGHTE CRAWFORD, A.B., Mt. Holyoke College, 1940; A.M., Oberlin College, 1942  
 HORACE ALBERT DEWALD, B.S., Allegheny College, 1944  
 JACOB FUCHS, A.B., New York University, 1944; M.S., 1947  
 WILLIAM EDWARD GOODE, B.S., M.S., North Texas State Teachers College, 1946, 1947  
 BENJAMIN ELMER GREENWELL, B.S., Monmouth College, 1945; M.S., 1948  
 LEO FRANCIS HENEGHAN, A.B., Illinois College, 1946  
 HAROLD WAYNE HILL, JR., A.B., James Millikin University, 1947; M.S., 1948  
 CLAUDE RAY HUDGENS, B.S., Southern Illinois University, 1947  
 ALEX KOTCH, JR., B.S., M.S., Pennsylvania State College, 1946, 1947  
 GENE FREDERICK LATA, B.S., College of the City of New York, 1942; M.S., 1948  
 DAVID JACOB MANN, B.S., Long Island University, 1941; M.S., 1947  
 WILLIAM RIEDEL MILLER, B.S., Iowa State College, 1946; M.S., 1948  
 PAUL HERMAN MOHR, A.B., M.S., 1947, 1948

ROBERT KEITH OSTERHELD, B.S., Polytechnic Institute of Brooklyn, 1945  
PHILIP JOSEPH PIZZOLATO, B.S., Loyola University (New Orleans), 1941; M.S.,  
St. Louis University, 1943  
HENRY JAMES SALLACH, B.S., M.S., University of Nebraska, 1944, 1947  
CHARLES HERBERT YOUNG, A.B., Columbia University, 1943

*In Civil Engineering*

VEN TE CHOW, B.S., National Chiao Tung University, 1940; M.S., Pennsylvania  
State College, 1948  
ZUR-KONG LEE, B.S., St. John's University, 1938; M.S., 1949

*In Classics*

RUTH STAFFORD KOVACS, A.B., A.M., 1941, 1942

*In Clinical Psychology*

SAMUEL SANFORD DUBIN, A.B., Oberlin College, 1938; A.M., Columbia University,  
1939

*In Dairy Technology*

JOHN WARREN STULL, B.S., M.S., 1942, 1947

*In Economics*

CHARLES WESLEY FRISTOE, A.B., University of Missouri, 1939; M.S., 1947  
VERNON RAY FRYBURGER, JR., B.S., Miami University, 1939  
JOHN VINCENT MACHELL, JR., B.S., Temple University, 1935; A.M., 1938  
DARRELL LEONARD SPRIGGS, B.S., M.S., 1940, 1947

*In Electrical Engineering*

ADNAN ATAMAN, M.S., Technical University of Istanbul, 1941  
HAN KUEI CHEN, B.S., National Central University, 1939; M.S., University of  
Michigan, 1947  
SURINDRA NATH KALRA, B.S., Punjab University, 1946; M.S., 1947  
JOHANNES SAMUEL SCHAFFNER, E.E., Appenzell A.R. Kanlonsschule, 1946; M.S.,  
1948  
NORMAN ROSS SCOTT, B.S., M.S., Massachusetts Institute of Technology, 1941,  
1941  
HARRY JAMES VENEMA, B.S., M.S., 1946, 1947

*In English*

GIBBON FRANCIS BUTLER, A.B., A.M., Washington University, 1932, 1932  
JOHN EDWARD KEATING, A.B., Loyola University, 1929; A.M., St. Louis University,  
1933

*In Entomology*

WILLIAM GIBBS EDEN, B.S., M.S., Alabama Polytechnic Institute, 1940, 1947

*In French*

HELEN WHITMAN MACHAN, A.B., James Millikin University, 1921; A.M., Colum-  
bia University, 1929  
WALTER STAAKS, A.B., Swarthmore College, 1937; A.M., University of Cali-  
fornia, 1939

*In Geology*

HARMON EDWIN EVELAND, JR., B.S., M.S., 1947, 1948  
JOHN ALEXANDER FERGUSON, B.S., M.S., University of Queensland, 1946, 1948  
RICHARD CLAUDE WEART, A.B., Cornell College, 1943; M.S., Syracuse Univer-  
sity, 1948

*In German*

LUCIUS SHEPHERD ROBINSON, A.B., A.M., Howard University, 1931, 1932

*In History*

VINCENT WOODROW BEACH, B.S.E., A.M., University of Arkansas, 1939, 1947  
WALTER NORMAN BREYMANN, B.S., A.M., 1941, 1947

CLAUDE EDWIN FIKE, JR., A.B., Duke University, 1941; A.M., Columbia University, 1947

HILDA KELLEY, A.B., A.M., 1945, 1946

CHARLES WILLIS SIMMONS, B.S., Alcorn Agricultural and Mechanical College, 1940; M.S., 1941

*In Horticulture*

HAMEEDUDDIN MAJIDUDDIN FAROOQUI, B.S., University of Bombay, 1943; M.S., University of California, 1946

HUSSEIN HOSNY HASSAN, B.S., Fouad First University, 1940; M.S., University of Maryland, 1947

OMAR DRENNAN MORGAN, JR., B.Ed., Illinois State Normal University, 1940

*In Mathematics*

RAYMOND GEORGE AYOUB, B.S., M.S., McGill University, 1943, 1946

NORMAN ALBERT GOLDSMITH, B.Ed., Eastern Illinois State College, 1932; A.M., 1936

SELMER MARTIN JOHNSON, A.B., A.M., University of Minnesota, 1938, 1940

KE-CHAN KUO, B.S., National Chiao Tung University, 1940; M.S., 1947

JUDSON SANDERSON, JR., A.B., M.S., 1947, 1948

*In Physics*

BENJAMIN CLINTON DIVEN, A.B., University of California, 1941; M.S., 1948

GORDON FRANK NEWELL, B.S., Union College, 1945

PHILIP BARTLETT SMITH, B.S., California Institute of Technology, 1944

ROBERT STUMP, A.B., Butler University, 1942; M.S., 1948

MARVIN EUGENE WYMAN, A.B., St. Olaf College, 1942; M.S., 1943

*In Plant Pathology*

RALPH WOLFLEY AMES, B.S., M.S., University of Wyoming, 1939, 1940

DAVID DAVIS, B.S., Cornell University, 1946

*In Political Science*

HOWARD DEVON HAMILTON, B.S., Purdue University, 1942

CHE-TAI LEE, A.B., National University of Peking, 1941; A.M., 1947

RICHARD WIRTH TAYLOR, A.B., A.M., 1947, 1948

KENNETH EARL VANLANDINGHAM, A.B., A.M., University of Kentucky, 1942, 1945

*In Psychology*

DAVID ROBERTSON SAUNDERS, B.S., Harvard University, 1943; A.M., 1949

*In Spanish*

HARRIETT ANNETTE SELTZER, B.S., Illinois State Normal University, 1944; A.M., 1947

*In Theoretical and Applied Mechanics*

CHANG-KENG LIU, B.S., National Chiao Tung University, 1943; M.S., 1946

*In Zoology*

EDWARD WILLIAM DANIELS, A.B., Cornell College, 1941; M.S., 1947

BEN JUNIOR FAWVER, B.Ed., Illinois State Normal University, 1941; M.S., 1947

HAROLD TORREY WIEBE, A.B., Greenville College, 1939; A.M., 1940

**Degree of Doctor of Education**

JAMES CHRISTIAN ATHERTON, B.S., M.S., Louisiana State University, 1935, 1947; Ed.M., 1949

RAYMOND OSCAR DUNCAN, LL.B., Washington University, 1930; A.M., Ed.M., 1940, 1946

LEO LEONARD KNUTI, B.S., M.S., University of Minnesota, 1926, 1937; Ed.M., 1948

**Professional Degrees***Degree of Civil Engineer*

MARSHALL HOLT, B.S., M.S., Ph.D., 1927, 1929, 1947  
BERNT OSCAR LARSON, B.S., M.S., 1938, 1948

*Degree of Electrical Engineer*

FRANK EUGENE BUTTERFIELD, JR., B.S., 1941  
MARION STANLEY HELM, B.S., M.S., 1933, 1934

*Degree of Mechanical Engineer*

LAWRENCE EDWARD DOYLE, B.S., Yale University, 1930  
CYRUS DALE GREFFE, B.S., 1940  
QUENTIN COROT VINES, B.S., 1929

*Degree of Master of Education*

CARL HARMOND BAUMGARDNER, B.Ed., Illinois State Normal University, 1942;  
A.M., 1949  
EARL FOREMAN, A.B., A.M., Bradley University, 1934, 1948  
KENNETH LAWRENCE HUSBANDS, A.B., University of Kansas City, 1937; A.M.,  
University of Missouri, 1938  
GEORGE COE LORBEER, JR., A.B., San Francisco State College, 1943; A.M., Stanford  
University, 1948  
RALPH HENDERSON THOMPSON, A.B., Dickinson College, 1934; A.M., University  
of Delaware, 1948  
METTA MOUDY ZAHORSKY, B.S., M.S., 1940, 1945

*Degree of Master of Social Work*

GERALDINE JEAN BREMMER, B.S., University of Wisconsin, 1933  
ANNABELLE FAE BURDICK, A.B., 1946  
FRANKLYN BURNS, B.S., 1948  
MARY LU CORSER, A.B., Antioch College, 1948  
THOMAS BENTON LITHERLAND, A.B., 1948  
HELEN JANE READ, B.Ed., Illinois State Normal University, 1941  
LELA BROWN RIDDELL, A.B., University of Kansas, 1940

**Degree of Master of Arts***In Accountancy*

HARVEY COLLINS SHERER, JR., A.B., Vanderbilt University, 1934

*In Architecture*

CHI-YUAN KU, B.S., Aurora University, 1940; M.S., 1949

*In Chemistry*

HELEN ELIZABETH DEWEY, A.B., Mt. Holyoke College, 1948  
TIN BOO YEE, B.S., Arkansas State College, 1938; M.S., University of Arkansas,  
1940  
OWEN YORK, JR., A.B., Evansville College, 1948

*In Economics*

JOHN WOOD BEALL, A.B., Ohio Wesleyan University, 1947  
LEONARD JOSEPH BRALOWER, A.B., 1949  
ROBERT ATKINSON HEDGES, B.S., University of Kansas, 1940  
PAUL FREDRICK MUELLER, A.B., 1949  
MORTON ISRAEL STOCKLER, A.B., Wayne University, 1949  
JOHN JOSEPH ZYGALA, A.B., Gannon College, 1949

*In Education*

- MARIELLA AIKMAN, B.S., 1947  
 WILLIAM GILBERT ALBERTS, A.B., Shurtleff College, 1949  
 DONALD THOMAS ANDERSON, B.S., St. Viator College, 1932  
 ELEANOR JUNE ANDERSON, B.S., Illinois State Normal University, 1945  
 RUBY VERYL BACHTEL, B.S., Kansas State Teachers College, 1929  
 CHARLES WESLEY BATT, A.B., 1948  
 ELEANOR COOK BENDER, B.Ed., Northwestern University, 1939  
 VIRGINIA ANN CHRISTINE BUTLER, A.B., University of Kansas, 1947  
 ALICE MARIE CLANCY, A.B., Antioch College, 1948  
 GEORGE RAY COFFEY, B.Ed., Southern Illinois University, 1934  
 BARBARA SHIELDS COOK, A.B., University of Missouri, 1948  
 WAYNE BRACKEN CRAWFORD, B.S., University of Pittsburgh, 1941  
 IVAN EARL CRULL, B.Ed., Northern Illinois State Teachers College, 1939  
 CLARIBEL CULLY, A.B., Illinois College, 1936  
 MARGARET NYHUS DEES, B.S., 1939  
 EARL HERMAN DIEKEN, A.B., 1949  
 KENNETH EUGENE FARRAR, A.B., Monmouth College, 1942  
 RICHARD KEITH GRAGG, A.B., 1949  
 EVERETT EUGENE HALL, B.Ed., Southern Illinois University, 1947  
 MAURICE RAPHAEL HEATON, B.F.A., 1940  
 ROSE LANCASTER HEWITT, A.B., University of Colorado, 1928  
 LILLIAN JOHNNIE MAE HOUSTON, A.B., Stowe Teachers College, 1947  
 ANNA KIENTZLE HOWEY, A.B., 1949  
 BEULAH O'MEARA JORDAN, A.B., Stowe Teachers College, 1942  
 RICHARD RAY KINNEMAN, B.S., 1948  
 WILLIAM EARL LACROIX, B.S., Northern Illinois State Teachers College, 1946  
 CARL MAURITZ LINDVALL, A.B., Augustana College, 1947  
 E. ALBERTA MAGNUSSON, A.B., 1925  
 ARTHUR FREMONT MATHISEN, B.S., 1943  
 ARCHIBALD JOHN MCKINNEY, B.Mus., Illinois Wesleyan University, 1937  
 DORA EMMA MCNAIR, A.B., Stowe Teachers College, 1943  
 ELDRED GRANT MONTGOMERY, B.Ed., Illinois State Normal University, 1941  
 CATHERINE MARY MURRAY, A.B., Bradley University, 1942  
 RUTH ETHEL NAST, B.S., Southern Illinois University, 1947  
 ALEXANDER NICKETT, A.B., 1948  
 MILTON ELLIS PARKS, A.B., Westminster College, 1949  
 FARREL STANLEY PATTERSON, B.Ed., Eastern Illinois State College, 1940  
 WILLIAM DEAN POORE, B.S., 1949  
 HERMAN HENDERSON PRESLEY, A.B., McKendree College, 1935  
 MARVIN RAYE RAGAN, A.B., Illinois Wesleyan University, 1941  
 GLADYS MARIANN RUST, A.B., Eureka College, 1919  
 MARJORIE LUCILE SANBORN, A.B., James Millikin University, 1920  
 MARK HOPE SIMPSON, A.B., James Millikin University, 1948  
 WILLIAM REYNOLDS SLOTHOWER, A.B., Cornell College, 1943  
 DOROTHY MARIAN SMALL, A.B., Stowe Teachers College, 1947  
 ALFRED HIRAM SNAP, A.B., 1949  
 OTTO AL STASI, B.S., 1948  
 SEYMOUR BERNARD STISS, B.S., 1949  
 HERMAN EUGENE STOLTZ, B.Ed., Illinois State Normal University, 1936  
 STUART TAFT VAN DORN, A.B., Coe College, 1936  
 MERCEDES MARIA VARGAS, Profesora, University of Panama, 1946  
 HAROLD DAVID VOYLES, A.B., Shurtleff College, 1946  
 LEWIS WARREN WADDY, B.S., West Virginia State College, 1947  
 EDWARD CUNDIFF WEIR, B.Ed., Eastern Illinois State College, 1942  
 EUGENE ANDREW WILLIAMSON, B.S., Northern Illinois State Teachers College,  
 1948  
 GRACE ELIZABETH WILSON, A.B., Lincoln University, 1935

*In English*

ABELARDO ALBIS Y SANTOS, B.S., National University, 1936; A.M., St. Tomas University, 1941  
LILLIAN TOLAND CALL, A.B., 1949  
WALTER EUGENE EDENS, B.S., 1948  
JOHN PHILIP FINK, A.B., James Millikin University, 1949  
ORCUTT WILLIAM FROST, JR., A.B., 1949  
ROBERT ROYAL GARD, A.B., Washington University, 1948  
MARY BEATRICE HARRIS, A.B., 1941  
PAUL EDWARD KIMMICH, A.B., Loras College, 1931  
RAYMOND ALBERT KLOPSCH, B.S., Illinois Institute of Technology, 1949  
CHARLES HARTLEY LAWBURGH, A.B., DePauw University, 1945  
MARY ELIZABETH MCDUGGLE, A.B., Smith College, 1947  
SANDER MOSES POSTOL, A.B., 1949

*In Geology*

DEWEY HAROLD AMOS, B.S., Marietta College, 1949  
JACK MINKOD DECKER, A.B., University of Redlands, 1949

*In German*

HARRIET JANE STAINBACK, A.B., Wellesley College, 1948

*In History*

EARLAND IRVING CARLSON, A.B., Wheaton College, 1949  
LOIS MARGARET DiSANTO, A.B., College of St. Scholastica, 1941; B.S., Columbia University, 1945  
ROBERT MELVIN MARTIN, A.B., 1949  
EARL AARON REITAN, A.B., Concordia College, 1948  
JOSEPH FRANCIS STRAUB, A.B., 1949  
CHESTER ROBERT SUMMERS, A.B., Miami University, 1947

*In Italian*

PAUL RICHARD OLSON, A.B., 1948

*In Labor and Industrial Relations*

IRVING NORTON KING, B.S., 1949  
NORBERT JOSEPH SAMBORSKI, B.S., Creighton University, 1948  
HERBERT SIECK, JR., B.S., 1948

*In Landscape Architecture*

CHARLES STEPHEN SCHUSTER, B.S., Oregon State College, 1948

*In Mathematics*

HANS KARL LUDWIG WILHELM FLESCH, Diploma Preliminary Examination, University of Berlin, 1949  
PAUL RICHARD KLEIN, A.B., 1949  
JAMES FREDERICK PHELAN, B.S., United States Naval Academy, 1940  
TI YEN, B.S., National Chiao Tung University, 1944; M.S., 1949

*In Philosophy*

TILLMAN ROSS BRADY, JR., A.B., Knox College, 1949  
VICTOR GEORGE CICIRELLI, B.S., University of Notre Dame, 1947  
LAWRENCE LINDLEY HAWORTH, A.B., Rollins College, 1949

*In Physics*

MICHAEL JUDA GLAUBMAN, M.S., Hebrew University (Jerusalem), 1947

*In Political Science*

LUCIUS JEFFERSON BARKER, A.B., Southern University, 1949  
ROBERT ASHLEY BOWERS, B.S., Illinois State Normal University, 1949  
LAWRENCE SHERWIN FRIEDMAN, A.B., Roosevelt College, 1949  
ROBERT SIDNEY FRIEDMAN, A.B., Hopkins University, 1948  
WILLIAM ATHANAS GINOS, A.B., LL.B., 1942, 1948



ROBERT ALLEN HORNER, A.B., 1949  
 FRANK WILLIAM NEUBER, A.B., Beloit College, 1949  
 HAROLD BROWN SIMPSON, B.S., 1940

*In Psychology*

RALPH EUGENE FLEXMAN, A.B., 1942  
 NORMA DORENE LOWRY, B.S., 1949  
 THOMAS ALAN PAYNE, B.S., University of Maryland, 1947  
 DORIS INNES STRAUS, B.S., 1948

*In Social Sciences*

CARL ANTON GUNDERSEN, JR., A.B., Wheaton College, 1949  
 JAMES S. ROBINSON, A.B., Roosevelt College, 1949  
 RICHARD SCHALLER, B.S., 1948  
 NORMAN KENNETH SOLOMON, B.S., 1948  
 FRANCIS PLUMMER SQUIBB, JR., A.B., Dartmouth College, 1949  
 JOSEPH STRICKLAND, JR., A.B., Knoxville College, 1949

*In Sociology*

HENRY FRANCIS GILMORE, B.S., Florida Agricultural and Mechanical College, 1943  
 ARNOLD ANTHONY SIO, A.B., Beloit College, 1944; A.M., University of Chicago, 1946

*In Spanish*

JOAN BALDRY, A.B., 1947  
 HAROLD LAVERNE BOUDREAU, A.B., 1948  
 DAVID ESCOBAR, A.B., Miami University, 1948  
 EBBA ANDERSON HANSEN, A.B., DePauw University, 1925  
 CARMEN IGLESIAS, Bachiller, Colejio 2<sup>a</sup> Enseñanza, 1923  
 CARMEN LOPEZ MANZANARES, A.B., University of Madrid, 1947  
 CAROLYN LUCILLE RUDORF, A.B., 1948  
 MARY LOU STOVER, A.B., 1949

*In Speech*

ROBERT STEWART BRUBAKER, B.S., 1948  
 MARJORIE MARIE SMITH, B.S., 1949  
 STANLEY ALBERT WEESE, A.B., University of Minnesota, 1948

*In the Teaching of English*

EILEENE LOUISE DAEHLER, A.B., 1947  
 GEORGE ELMER FOGLEMAN, B.S., Eastern Illinois State College, 1949

*In the Teaching of French*

PHILIP DRAGO, A.B., 1948

*In the Teaching of Social Studies*

MAX BRODES, B.S., New York University, 1949  
 WILLIAM WARD GILES, A.B., McPherson College, 1948  
 JOHN WESLEY KERR, A.B., Wheaton College, 1949  
 ROSABEL RASMUSSEN, A.B., Carthage College, 1949  
 FAYE LEVEY SCHWARTZ, B.S., 1949

*In the Teaching of Speech*

ARNOLD HENRY ZAESKE, A.B., Elmhurst College, 1949

**Degree of Master of Science**

*In Accountancy*

HARRY JOSEPH JACOBS, B.S., 1948  
 LOUIS WAYNE MATUSIAK, B.S., 1949  
 ROY MILTON MCCOLLOM, JR., B.S., 1949  
 JAMES CLAYTON MILLER, B.S., Southern Illinois University, 1949  
 HASSEL VADEN STREETMAN, B.B.A., Baylor University, 1943  
 VERNON KENNETH ZIMMERMAN, B.S., 1949

*In Aeronautical Engineering*

PAUL WILLIAM BORN, B.S., 1949  
HENRY JOSEPH HIRTZER, B.S., 1949  
JOSEPH MARVIN ZABINSKY, B.S., 1949

*In Agricultural Economics*

KENNETH VERNIE BATTLES, B.S., Ohio State University, 1926  
HAROLD DANIEL GUITHER, B.S., 1949  
LYNN GOOCHEY SLEIGHT, B.S., Utah State Agricultural College, 1948  
RAYMOND CLARIS SMITH, B.S., University of Missouri, 1949

*In Agricultural Engineering*

HOWARD HUNNICUTT, B.S., University of Georgia, 1949  
ROBERT PAUL KAY, B.S., University of Tennessee, 1948

*In Agronomy*

DONALD DWIGHT DICKENSON, B.S., 1949  
HAROLD WESLEY GAUSMAN, B.S., University of Maine, 1949  
MAURICE QUENTIN GODLEY, B.S., North Carolina Agricultural and Technical College, 1940  
HERBERT HENRY GOLDEN, B.S., Virginia State College, 1949  
HAROLD HARRISON HARDIN, B.S., 1949  
WILLIAM DANFORTH HAVEN, B.S., 1949  
JOHN WILLIAM KETCHESON, B.S.A., Ontario Agricultural College, 1944  
ELLIS GILBERT KNOX, B.S., 1949  
BURTON WILEY RAY, B.S., 1943  
JAMES RAY WILLIS, B.S., 1949

*In Animal Science*

JOHN ELDON COBB, B.S., 1949  
ALDON HOMAN JENSEN, B.S., 1949  
HYRUM STEFFEN, B.S., Utah State Agricultural College, 1937

*In Architectural Engineering*

OLIVER LEON HERRICK, B.S., 1949

*In Bacteriology*

CASTELLA BURNLEY, B.S., University of Louisville, 1948  
EUGENE NOAH FOX, B.S., 1949  
LEONARD GRAIVIER, B.S., 1949  
RICHARD AARON GREENBERG, A.B., 1948  
HARVEY JACOBS, B.S., 1947  
RAYMOND LESTER JACOBS, B.S., 1949  
NICHOLAS MENOLASINO, B.S., Northwestern University, 1947; M.S., 1948  
MOHAMMED HASHIM SAFI, B.S., Science College (Kabul), 1946  
EMIL HENRY SANDROLINI, B.S., 1949

*In Botany*

CHARLES DONALD GRIFFIN, B.S., Butler University, 1948  
CHENG-LEE LEE, B.S., National Southwest Associated University, 1943

*In Ceramic Engineering*

ROBERT JENNINGS BEALS, B.S., 1947  
SITARAM VASUDEV BHATYE, B.S., Royal Institute of Science, 1941; B.S., University of Bombay, 1943  
ROBERT STEPHEN DEGENKOLB, B.S., 1949  
ROBERT JOHN McEVoy, B.S., 1947  
WILLIAM JOHN MEID, B.S., 1945  
FRANK GABRIEL RECNY, B.S., 1948  
SHRIKRISHNA CHIDAMBAR SANE, B.S., Benares Hindu University, 1944; B.S., Nagpur University, 1946  
HARLAN PERRY TRIPP, B.S., 1949  
TRACY ALMER WILLMORE, JR., B.S., 1941

*In Ceramics*

- GIRINDRANATH BARPUJARI, B.S., Cotton College (India), 1937; M.S., University Science College, 1939  
DARSHAN SINGH CHABHAL, B.S., Sikh National College, 1944; M.S., Forman Christian College, 1945  
VARTHA KAVI KRISHNA MOORTHY, B.S., M.S., Andhra University, 1944, 1946

*In Chemical Engineering*

- SATYESH CHANDRA BANERJEE, B.S., M.S., Calcutta University, 1943, 1945  
ELEUTHERIOS TED HOUVOURAS, B.S., West Virginia University, 1944  
WILLIAM ARTHUR JUNK, JR., B.S., Pennsylvania State College, 1948  
CLAUDE EUGENE MCLEAN, JR., B.S., Pomona College, 1948  
LU-HO TUNG, B.S., National Tsing Hwa University, 1948

*In Chemistry*

- LILA MARIE BERGMAN, B.S., Rosary College, 1949  
WILLIAM ALVIN BUSCH, B.S., St. John's University, 1949  
WILLIAM WRIGHT CAMPBELL, B.S., Eastern Illinois State College, 1949  
JAMES WILLIAM CURRY, A.B., James Millikin University, 1949  
ANTON EARL ERICKSON, B.S., Ph.D., 1941, 1948  
HAROLD HERSCHEL HUGHART, B.S., University of Idaho, 1948  
HOMER TALCOTT KNIGHT, B.S., Northern Illinois State Teachers College, 1947; A.M., Colorado State College of Education, 1948  
RUTH EVALENE KOSKI, B.S., Michigan State College, 1947  
LEONA SCHAFER MAKO, A.B., Flora Stone Mather College, 1947  
PETER LOUIS MARTESE, B.S., Queens College, 1949  
WILLIAM MARCUS NOLAN, B.S., 1949  
CLIFFORD RAYMOND NOLL, JR., A.B., Brown University, 1944  
ERIC NIELS SLOTH, B.S., 1949  
JOHN MORROW STEWART, B.S., Davidson College, 1948  
ROBERT HAROLD VAN NOTE, B.S., Eastern Illinois State College, 1949

*In City Planning*

- CHARLES EDWIN AGUAR, B.S., 1949  
RICHARD EDWIN ARMS, B.S., 1949  
WAYNE CALVERT DEPEW, JR., B.S., 1949  
EARL CHARLES GOETSCH, B.S., 1949  
HARAGOVIND KALIDAS MEWADA, Diploma Architecture, Kala Bhavan Technical Institute, 1944; B.Arch., M.Arch., Cornell University, 1949, 1949

*In Civil Engineering*

- EDDY ISAK BENMUVHAR, B.S., Robert College, 1944  
JAMES ROBERT BISSETT, B.S., University of Texas, 1941  
WILLIAM THOMAS BRADLEY, B.S., United States Military Academy, 1939  
SAI-PAK CHAN, B.S., Lingnan University, 1943  
YUEH CHEN, B.S., Hangchow Christian University, 1942  
DAVID BALDWIN CONARD, B.S., United States Military Academy, 1943  
ATALAY COSKUNOGULLARI, B.S., University of Kentucky, 1949  
FRANKLIN RICHARD DAY, B.S., United States Military Academy, 1946  
DAVID ARTHUR DUFF, B.S., 1949  
LENARD MORRIS GABERT, B.S., Agricultural and Mechanical College of Texas, 1949  
MUZAFFER GOCEK, B.S., 1949  
MATHIAS ERWIN HOFFMAN, JR., B.C.E., Georgia School of Technology, 1948  
CARL HENRY KOONTZ, B.S., 1948  
NAT WETZEL KRAHL, A.B., B.S., Rice Institute, 1942, 1943  
BURTON A. LEWIS, B.S., Illinois Institute of Technology, 1948  
NORMAN LARY LIVER, JR., B.C.E., Alabama Polytechnic Institute, 1948  
HENRY MALTER, B.S., College of the City of New York, 1930  
NIKITAS CONSTANTIN MANITSAS, B.S., United States Military Academy, 1945  
ROBERT EDWARD MATHE, B.S., United States Military Academy, 1943  
RICHARD GLENN PATTON, B.S., United States Military Academy, 1946

OWEN RICHMOND, B.S., Bradley University, 1949  
KARL FRANCIS SCHMIDT, B.S., University of Wyoming, 1949  
SATOSHI DON SHIMAZU, B.S., Rose Polytechnic Institute, 1949  
JAMES REDDING SIMS, B.S., Rice Institute, 1941  
MARIO GONZALO SUAREZ, Civil Engineer, Universidad de la Habana, 1948  
WILLIAM CARL TREFZ, B.S., United States Military Academy, 1945  
ANDREAS CHARLES WACKERNAGEL, Diploma, Swiss Federal Institute of Technology (Zurich), 1948  
RAY MOORE WAGONER, JR., B.S., United States Military Academy, 1946  
JAMES DANSBY WALL, B.S., University of Mississippi, 1943  
DONAL JOSEPH WOLF, B.S., United States Military Academy, 1945  
APOSTOL YANOGLU, B.S., Robert College, 1948

*In Clinical Psychology*

CHARLES LEWIS BALDWIN, A.B., DePauw University, 1947  
EDWARD SIDNEY EPSTEIN, B.S., 1947  
BETTY JANE FLABB, A.B., Park College, 1947  
JANE LEE HARDING, A.B., University of Rochester, 1948  
AUSTIN CLAUD HERSCHBERGER, B.S., Columbia University, 1948  
ARTHUR KANDEL, B.S., College of the City of New York, 1948  
MELVIN KRAMER, A.B., New York University, 1948  
JOHN COE LANGDON, A.B., James Millikin University, 1947  
VICTOR SAMUEL LEBOW, A.B., Kansas University, 1945  
MARY AGNES PRZYPYSZNY, B.S., 1948  
WARREN LESLIE SMITH, B.S., Bradley University, 1947

*In Dairy Science*

ROYCE ADAMS BREEDLOVE, JR., B.S., University of Georgia, 1949  
JAMES ATKINSON PRESCOTT, JR., B.S., University of Georgia, 1949

*In Dairy Technology*

EDWIN ARTHUR BERNARDONI, B.S., 1948

*In Economics*

JEAN MARGARET LUCINDA MANN, B.Com., University of Toronto, 1946  
NORBERT GERHARD McCABE, B.S., 1949  
ARTHUR SETRAK SAMOORE, B.S., 1931  
THOMAS NOEL WOOD, A.B., Cambridge University, 1949

*In Education*

CHARLES WALTER ALLEN, B.S., Southern Illinois University, 1949  
UREY BURKE ARNOLD, JR., B.S., Olivet Nazarene College, 1949  
LAVERE LOUIS ASTROTH, B.S., 1942  
CLAUDE WILLIAM BAKER, B.S., 1949  
JOHN ROBERT BARTLEY, JR., B.S., 1948  
DELSIA BEASLEY, B.S., Southern Illinois University, 1947  
RUSSEL EDWARD BENWAY, B.S., Illinois State Normal University, 1947  
DOUGLAS BLAKELEY, B.S., Illinois State Normal University, 1947  
BEATRICE JORDAN BOOSE, B.S., Alcorn Agricultural and Mechanical College, 1947  
SIDNEY SELVIN BOOSE, B.S., Alcorn Agricultural and Mechanical College, 1949  
H. LEVI BROWNING, B.Ed., Southern Illinois University, 1937  
ROBERT LEON BUCHANAN, B.S., 1949  
JAMES NATHANIEL BUSCH, B.S., Lincoln University, 1941  
SHERELL EUGENE CAMPBELL, B.S., Southern Illinois University, 1949  
ROBERT LEE CAVITT, B.S., 1949  
LAWRENCE CLARK CHRISTOPHER, B.Ed., Eastern Illinois State College, 1940  
WILMA DEAN COHLMAYER, B.S., Southern Illinois University, 1945  
SAMUEL DARRELL CRISP, B.S., Eastern Illinois State College, 1949  
ROBERT EDWIN DAGNER, B.S., 1933  
JAMES ROBERTSON DEMOREST, B.S., 1936  
PAUL EDWARD DITTMAN, B.S., New York State College for Teachers, 1938

- JOHN RICHARD DOHERTY, B.S., 1949  
MAJOR DRAKE, B.S., Eastern Illinois State College, 1949  
NEWTON KENNETH DRUMMOND, B.Ed., Eastern Illinois State College, 1941  
WILLIAM RAYMOND DUKE, B.S., 1947  
MERRILL THOMAS DUNN, B.Ed., Eastern Illinois State College, 1939  
JAMES JUNIOR EASLEY, B.S., 1949  
ALBERT HENRY ECKERT, B.S., Eastern Illinois State College, 1948  
JOHN HOFFMAN EGGLESTON, B.S., Indiana State Teachers College, 1949  
RALPH RICHARD ELTOFT, B.S., 1947  
ORVAL CLEO FLOYD, B.S., 1938  
CHARLES LELAND GALBRAITH, B.S., Northwestern State College, 1945  
RUSSELL BURNETT GEIST, B.S., 1934  
JOHN MARIO GENINATTI, B.S., 1939  
JUANITA GREENE GILMORE, B.S., Florida Agricultural and Mechanical College, 1946  
WALDO GRIGOROFF, B.S., Southern Illinois University, 1949  
EVELYN AUDITHA GRIMES, B.S., 1949  
RALPH AMBROSE GUTHRIE, B.S., 1940  
ALBERT LEANDER HALL, Jr., B.S., 1949  
FRED ELROY HARVEY, B.S., 1949  
EDITH HOKE HICKENLOOPER, B.Ed., Illinois State Normal University, 1940  
JOHN WESLEY HODGES, B.S., Olivet Nazarene College, 1949  
THELMA MARIE HOLLAND, B.S., Illinois State Normal University, 1948  
RICHARD EARLE HULET, B.S., 1947  
ALICE ELIZABETH HYDE, B.S., Eastern Illinois State College, 1944  
JACQUELINE QUIGLEY KARCH, B.Ed., Illinois State Normal University, 1943  
EARL ROBERT KOGEN, B.S., 1947  
ELMER BOHUMIL KOSTKA, B.S., 1949  
ARTHUR FRANCIS LAMBERT, B.S., 1944  
DOROTHY LEQUATTE, A.B., 1949  
JAMES EVERT LESTER, B.S., Western Illinois State College, 1949  
ARLIE VERSCILE LINCKS, B.S., Eastern Kentucky State College, 1949  
PATRICIA LAURA MACY, B.Ed., Illinois State Normal University, 1942  
WILLIAM JOSEPH MANNING, B.S., 1949  
WILLIAM BAGBY MARGRAVE, B.S., Central Y.M.C.A. College, 1944  
MAX NEIBERG, B.S., 1949  
RALPH EDWARD OHM, B.S., Eastern Illinois State College, 1949  
JOSEPH CANNON PAYNE, B.S., 1949  
HARRIET NORMA PERRY, B.S., 1946  
BEDE ESTELLE PIERCY, B.S., 1947  
MARTIN LAVAUGHN PINKSTAFF, B.S., 1949  
EMMA LEE CRAFT PRICE, B.S., Northwestern University, 1948  
INEZ IONE PROCTOR, B.Ed., Illinois State Normal University, 1942  
WILLIAM JOHN RANDLES, B.S., 1936  
HAROLD EUGENE RANKIN, Ph.B., Illinois Wesleyan University, 1949  
WILLIS CALVERT RARDIN, Jr., B.Ed., Eastern Illinois State College, 1947  
MILDRED PAULINE REEL, B.Ed., Western Illinois State College, 1942  
FRED PAUL RITTSCHOF, B.S., 1940  
JAMES HARVEY ROBBINS, A.B., 1949  
EDWARD LYLE ROOT, B.S., Pennsylvania State College, 1949  
GIL FRANCO SAGUIGUIT, B.S., University of the Philippines, 1947  
KATHRYN DIVELY SEAMAN, B.S., Eastern Illinois State College, 1944  
GERALD GEORGE SHAFER, Sr., B.S., Eastern Illinois State College, 1947  
ROBERT LYNN SHEETS, B.S., Eastern Illinois State College, 1947  
WALTER DAVIS SMITH, Jr., B.S., Southwest Missouri State College, 1948  
WILLIAM DALE SNELL, B.Ed., Illinois State Normal University, 1934  
STANLEY ANTHONY SOWA, B.S., Northern Illinois State Teachers College, 1949  
JAMES SPENCER STAHL, B.Ed., Eastern Illinois State College, 1939  
VERNON EDWIN STAHNKE, B.S., 1949  
GEORGE SAMUEL STEWART, B.S., Stout Institute, 1934  
JOHN MILTON STRAHL, B.S., Taylor University, 1949  
ARNOLD MAETZOLD TAUBE, A.B., Augustana College, 1946  
RICHARD MARTIN THOMPSON, B.S., 1948

ROBERT HELMUT TOBER, B.S., 1949  
GEORGE RIAL WALKER, B.S., 1948  
LOIS SIGNE WARNER, B.S., 1949  
LUCIEN DAVID WISE, B.S., 1949  
HENRY EDWARD WRIGHT, B.S., Eastern Illinois State College, 1946  
ALBERT GEORGE ZIMMERMAN, B.S., 1948

*In the Education of the Deaf*

PATRICIA JANE IRVINE, B.S., 1949  
CHARLES JOSEPH STANDLEY, A.B., Illinois College, 1949  
JAMES HAROLD STARK, A.B., Illinois College, 1940  
BARBARA ELLEN WEIL STEPHENS, A.B., Roosevelt College, 1944

*In the Education of Mentally Handicapped Children*

MILDRED WEPLER ERDMAN, B.S., 1946  
GEORGE PAUL RICCIO, B.S., 1949  
BARBARA JANE SPESARD, A.B., MacMurray College, 1949

*In Electrical Engineering*

HENRY OLIVER BARTON, B.S., 1949  
JOHN MCNAIR BELL, B.S., 1948  
GEORGE FRANCIS BLAND, B.S., Brown University, 1948  
HARRINGTON COOPER BREARLEY, JR., B.E.E., Georgia Institute of Technology, 1946  
WILLIAM KAJNATH BROOKSHIER, B.S., 1949  
LOYD ORLANDO BROWN, JR., B.E.E., Ohio State University, 1943  
DONALD RAY BURGNER, B.S., 1949  
KAY NEIL BURNS, B.S., University of Oklahoma, 1949  
RICHARD CHAPMAN CARNES, B.S., United States Military Academy, 1945  
LEWIS JOHN CRAFT, JR., B.S., 1949  
DARRELL ELMER CRISS, B.S., Rose Polytechnic Institute, 1943  
PAUL MORTON DASHER, B.S., 1949  
DOUGLAS LIPP DEAL, B.S., United States Military Academy, 1943  
NED ROYAL DICKSON, A.B., University of Nevada, 1940  
CARL JAMES DORRENBACHER, B.S., Purdue University, 1949  
DALLAS EVERETT ERICKSON, B.S., Kansas State College, 1949  
EDWARD WILLIS ERNST, B.S., 1949  
GEORGE JOSEPH FALKENBACH, B.E.E., University of Dayton, 1948  
NORMAN FARRELL, B.S., United States Military Academy, 1939  
CHARLES HENRY FISCHER, A.B., Brooklyn College, 1946  
MARVIN FISHER, JR., B.S., Washington University, 1947  
JOHN ABRAM FUNK, B.S., University of Manitoba, 1946  
RAY DORRIS GLASCOCK, B.S., 1949  
THOMAS ROBERT GLEASON, B.S., United States Military Academy, 1945  
ALLAN HOWARD GOTT, B.S., 1949  
JAMES ROBERT HOWARD, B.S., 1949  
EDWIN LAWSON HUGHES, B.S., University of Missouri School of Mining and Metallurgy, 1949  
WARREN THEODORE HUNTER, B.S., 1949  
ERNEST DELOY JERNIGAN, JR., B.S., United States Military Academy, 1946  
LEONARD MYRON KAMINSKY, B.S., 1949  
BAHMAN KERSASP KANGA, B.S., Benares Hindu University, 1948  
FREDERICK JOHN KNAUSS, B.S., United States Military Academy, 1947  
ALBION WILLIAMSON KNIGHT, JR., B.S., United States Military Academy, 1945  
GEORGE LOUIS KVITEK, B.S., 1949  
ALAN HOWARD LUBELL, B.S., College of the City of New York, 1944  
ROY EDWARD LUDWIG, B.S., University of Manitoba, 1946  
JOE FENTON LUSK, B.S., United States Military Academy, 1946  
ROBERT LESLIE MARBEN, B.S., United States Military Academy, 1945  
DON CARLIN MILLER, B.S., 1949  
THOMAS CLINTON MUSGRAVE, B.S., United States Military Academy, 1945  
JAMES PRESTON NEAL, E.E., University of Cincinnati, 1930

- ANSON HENRY RUSSELL, B.S., Case Institute of Technology, 1949  
ROBERT EUGENE SANDIFORD, B.S., New Mexico Agricultural and Mechanical College, 1949  
ROBERT KEITH SAXE, B.S., Northeastern University, 1936  
WILLARD ARTHUR SCHAAF, B.S., 1949  
JAMES HENRY SCHUSSELE, B.S., 1949  
HARRY DEGAN SMITH, JR., B.S., 1949  
TALMAGE EUGENE SOLLENBERGER, B.S., M.S., University of Oklahoma, 1937, 1940  
YAU CHIEN TANG, B.S., National Chiao Tung University, 1948  
GEORGE HENRY TROXELL, JR., B.S., United States Military Academy, 1945  
ALBERT GODFREY WARD, B.S., 1949  
MACK ROSS WILLIS, B.S., 1949  
ROBERT SWERN WISEMAN, B.S., 1948  
HIROSHI YOKOHAMA, B.S., Keio University (Japan), 1949  
FREDERIC LOUIS ZEISLER, B.S., 1948

*In Geography*

- EARL RUSSELL WILLIAMS, A.B., Syracuse University, 1949

*In Geology*

- JOHN ALFRED AMES, A.B., University of Denver, 1941  
WILLIAM STONE CALDWELL, A.B., College of Wooster, 1948  
HOWARD ROSS CRAMER, B.S., 1949  
RAYMOND SCOTT SHRODE, B.S., Monmouth College, 1941  
GENE FRANCIS TOM, B.S., 1946

*In Home Economics*

- WINONA MORELLE BROWER, B.S., Cornell University, 1943  
ANITA MAE RICE, B.S., 1948

*In Home Economics Education*

- ADA LEE LEGGETTE WILSON, B.S., Alcorn Agricultural and Mechanical College, 1945

*In Horticulture*

- PAUL RAYMOND HEPLER, B.S., Michigan State College, 1948  
LOUIS FRAZIER MARTIN, B.S., Maryland State College, 1940  
EDWARD WILLIAM MELVIN, B.S., A.B., Southern Illinois University, 1948, 1948

*In Journalism*

- ROBERT JOHN CARROLL, A.B., Cornell College, 1949

*In Library Science*

- YEATMAN ANDERSON, III, A.B., University of Cincinnati, 1948  
DALE LOCKARD BARKER, B.E.E., Georgia Institute of Technology, 1949  
LETTIE CAROLINE JONES BARKER, B.S., Murray State Teachers College (Kentucky), 1948  
HOWARD BERENSON, A.B., University of California, 1948  
GEORGE CHASE, A.B., George Washington University, 1948  
THOMAS SHERMAN CLEVELAND, A.B., Washington University, 1948  
MARION CRESAP CRAMER, B.S., Ohio State University, 1930  
AUDREY COVELLE GEORGE, A.B.(L.S.), University of Oklahoma, 1944; A.B., Central State College, 1946  
CHARLES EDWARD HAGGERTY, A.B., A.M., Brigham Young University, 1939, 1946  
RUTH WHITE HILL, A.B., 1943  
RALPH HARVEY HOPP, B.S., University of Nebraska, 1943  
CHIZUKO ISHIMATSU, A.B., College of St. Mary-of-the-Wasatch, 1945  
BARBARA ROSE JEFFERY, Ph.B., Marquette University, 1948  
ELIZABETH DAMARIS KESSLER, A.B., Mary Washington College of the University of Virginia, 1948  
KEITH COFFMAN KNIGHT, A.B., University of Tennessee, 1945; B.S.(L.S.), 1946

KIKUE RUTH KUMATA, A.B., Augustana College, 1949  
GENEVIEVE JUNE LABB, A.B., Indiana University, 1938; B.S., 1939  
CHARLES RAYMOND MACHOVEC, A.B., A.M., University of Nebraska, 1947, 1948  
HUSTON ELLIS MOUNT, B.S., Principia College, 1948; M.S., Northwestern University, 1949  
CAROLINE MATILDA PISCITELLO, A.B., Nazareth College, 1949  
DOROTHY EDWARDS POWERS, A.B., Vassar College, 1917; A.M., University of Chicago, 1939  
VICTOR SCHORMANN, A.B., 1948  
STEWART PEDEN SMITH, A.B., Presbyterian College, 1937; B.S.(L.S.), George Peabody College, 1947  
LEAH CAROLYN TEAGUE, B.S., Purdue University, 1949  
CHIU CHU WANG, A.B., Hwa Nau College, 1927  
FRANCES LUCILE WATKINS, A.B., Denison University, 1948  
JAMES BAYLY WOY, A.B., West Virginia University, 1949

*In Management*

EDWARD RAYMOND AMBROSE, A.B., University of Michigan, 1949  
ROBERT HENRY RIGGS, B.S., University of Louisville, 1949

*In Marketing*

LESLIE BRAVERMAN, B.S., 1949  
DONALD GENE HALPER, A.B., 1948  
PETER RUDOLPH NATZKE, B.S., DePaul University, 1949

*In Mathematics*

EARL DUANE EYMAN, B.S., 1949  
ALVIN VINCENT FEND, B.S., 1949  
JULIUS HONIG, B.S., University of Michigan, 1949  
ROBERT ELSWORTH MONTGOMERY, B.S., Grove City College, 1948  
VICTOR E. PRATT, B.S., 1949  
ORVILLE MILLARD RICE, B.Ed., Eastern Illinois State College, 1942  
WILLARD GLADE WARRINGTON, B.Ed., Western Illinois State College, 1941; M.S., 1949  
RICHARD GATES WILLIAMS, B.S., United States Military Academy, 1937

*In Mechanical Engineering*

JAKOB ARONCZYK, B.S., 1949  
ALBERT WILLIAM BERG, B.S., 1949  
FEDERICO BARROS DEMARCHI, M.E., University Santa Mariá (Valparaíso), 1948  
PHILLIP BROCK DOLL, B.S., 1949  
JAMES JOSEPH FISHMAN, B.S., 1949  
CESARIO TIMBOL FLORO, B.S., 1949  
LEON RONALD HENRY, JR., B.S., 1949  
JAMES LINDSAY LEACH, B.S., University of Mexico, 1942  
DAVID FREDERICKS MEYER, B.S., 1949  
MIAO YUNG MIAO, B.S., North Carolina State College, 1949  
JULIAN EDWIN SJORDAL, B.M.E., University of Minnesota, 1949  
LIANG-NENG TAO, B.S., National Chiao Tung University, 1949

*In Music Education*

NORMA WESNER BRUCE, B.Mus.Ed., Illinois Wesleyan University, 1944  
LEO JOHN CHRISTY, B.S., University of Indiana, 1939; B.S., 1941  
MARVIN LEE COHLMeyer, B.Mus., Murray State Teachers College (Kentucky), 1949  
FRANK DUFOUR, B.S., 1949  
JOHN JAMES HAYNIE, B.S., 1949  
FRED MANNING HUBBELL, B.Mus., 1949  
LEROY OSCAR KIRSCH, B.S., 1949  
ROBERT LLOYD OPPELT, B.S., 1949  
SAMUEL WESLEY SANNER, B.Mus.Ed., James Millikin University, 1949  
ELMER HERMAN SIMON, B.S., Kansas State College, 1949  
NORMA LOIS TEDFORD, B.S., 1948  
MAURICE MILTON WILLIS, B.Ed., Southern Illinois University, 1936



*In Physical Education*

CHARLES EUGENE ANDERSON, B.S., Eastern Illinois State College, 1949  
EVERETT JOSEPH BROOKS, B.S., 1946  
FRED OLIVER BRYANT, B.S., Springfield College, 1949  
DIXON BAKER KEYSER, B.S., 1940  
ALLEN DALE LACKY, B.S., 1942  
JUNE MARILYN MACABEE, B.S., State University of Iowa, 1947  
LIONEL WILLIAM MILLER, B.S., Indiana University, 1949  
LORRAINE MIESCHKE NIELSEN, B.S., 1945  
HUGH FELIX REDDEN, B.S., Murray State Teachers College (Kentucky), 1947  
CLEO HAZEL ULM, B.S., Southern Illinois University, 1946  
HAROLD PARK WELLS, B.S., Springfield College, 1948  
FRED F. ZANDIER, B.S., 1949

*In Physics*

RUSSELL MARTIN BALL, B.S., 1949  
FRANK SHILLING EBY, B.S., 1949  
MEYER GARBER, B.S., University of Pennsylvania, 1949  
NELSON THOMAS GRISAMORE, B.S., 1948  
JAMES WEDD HENDERSON, B.S., Ph.B., University of Chicago, 1948, 1949  
DONALD FRANK HOLCOMB, A.B., DePauw University, 1949  
FREDERICK EUGENE MILLS, III, B.S., 1949  
WILLIAM FREDERICK MUNROE, B.S., Harvard University, 1949  
ALAN HESS PHILLIPS, B.S., Illinois Institute of Technology, 1949  
JAMES VALENTINE RYAN, B.S., 1949  
IRA WEISSMAN, B.S., 1949  
BERNARD WIEDER, B.S., Columbia University, 1949

*In Physiology*

HAROLD WILLIAM DISERENS, B.S., Sam Houston State Teachers College, 1948  
ANDREW A. PANDAZI, B.S., Loyola University, 1948

*In Plant Pathology*

MARTIN S. CELINO, B.S., M.S., University of the Philippines, 1929, 1941  
CHESTER FORREST CHEW, B.S., 1940

*In Sanitary Engineering*

WALTER HAROLD JOLLIE, B.S., 1940

*In Speech Correction*

ROBERT JAMES DROLET, B.S., Eastern Illinois State College, 1949

*In the Teaching of the Biological Sciences and General Science*

LOUIS HERMAN ASHER, B.S., 1949  
BYRON GEORGE BERNARD, B.S., 1949  
MARVIN ALLEN BROTTMAN, B.S., Roosevelt College, 1949  
CAROLYN HENNING DEGENKOLB, B.S., 1949  
HOWARD MARTIN FRANKLIN, B.S., 1934  
DEWITT GARRETT, JR., A.B., Harding College, 1947  
GEORGE HARRIS LANGELE, B.S., Elmhurst College, 1949  
CLARENCE FRANCIS MATHER, B.S., North Central College, 1949  
KENNETH SPENCER STORM, B.S., 1949

*In the Teaching of Mathematics*

WILLIAM FRANK CERVENKA, B.S., 1949  
MARY CATHERINE MCMILLION, A.B., Pennsylvania State College, 1946  
FLOYD ALBERT OLSEN, B.S., 1948  
RUTH ELIZABETH SPRANKEL, B.S., Southern Illinois University, 1949  
VIRGINIA VOGELSANG, B.S., Illinois Wesleyan University, 1949

*In Theoretical and Applied Mechanics*

CHE-TYAN CHANG, B.S., National Chiao Tung University, 1943  
 WALTER SANFORD HYLER, B.M.E., Rensselaer Polytechnic Institute, 1948  
 TRAVIS CARL JAMES, B.S., 1949  
 WILLIAM BURTON SANDERS, JR., B.S., Purdue University, 1938  
 MONTGOMERIE CHRISTIE STEELE, B.S., Glasgow University, 1944  
 HARRY ROHLFS WETENKAMP, B.S., 1942

*In Vocational Agriculture*

ELLERY LOUIS KNAKE, B.S., 1949  
 RICHARD EARL PARETT, B.S., 1949

*In Zoology*

ROBERT BRETON CHIASSON, A.B., Illinois College, 1949  
 JOSEPH MICHAEL DYMITY, JR., B.S., 1949  
 MARSHALL BLACKWELL EYSTER, B.S., University of Chicago, 1945  
 PAUL WILLIAM FRANKENSTEIN, A.B., Stanford University, 1948  
 LOTTIE OWEN HARVEY, B.S., Southern Illinois University, 1946  
 LOUIS HILDEBRAND, B.S., 1949  
 IRENE VERA HOELZEL, B.S., 1947  
 EDWARD BRUCE HOLMES, B.S., Kansas State Teachers College, 1948  
 ROBERT WILLIAM HULL, B.S., 1949  
 STEPHEN EVERETT MCPHERSON, B.S., Southern University (Baton Rouge), 1949  
 MABEL CLARK PATERSON, A.B., Southern Illinois University, 1948  
 MARTIN SACKS, B.S., College of the City of New York, 1949  
 BERNARD SESKIND, B.S., Central Y.M.C.A. College, 1942; M.S., DePaul University, 1945  
 ROBERT KENDRICK STUBBS, B.S., 1948  
 EDWARD ARTHUR TEHLE, JR., A.B., North Central College, 1949

**Degree of Master of Fine Arts***In Art Education*

GLENN RAYMOND BRADSHAW, B.S., Illinois State Normal University, 1947

*In Painting*

JAMES GEORGE JAMESON, B.F.A., Washington University, 1949  
 LEON MORGENSTERN, B.F.A., Syracuse University, 1949  
 WILLIAM TODD MOSES, A.B., 1939  
 LEOPOLD BERNARD SEGEDIN, B.F.A., 1948

**Degree of Master of Music**

DAVID JONES BOWEN, B.Mus., 1948

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

MYRON ABERMAN ASH  
 FREDERICK ROBERT BRISTOL  
 FRANKLIN HAYS BYERS  
 PERRY GUS CALLAS  
 KEITH EUGENE CAMPBELL  
 RICHARD EUGENE GILLAN  
 MORTON ALEXANDER GORDON  
 ROBERT LOUIS HANSON

EDWARD JAMES HARRISON  
 FRED JOHN KANNMACHER  
 HARRISON HOWARD KAVENSKY  
 CARL WESLEY LEE  
 RAYMOND LESTER LEE, JR.  
 JOHN ELWOOD POPHAM  
 JAMES KENT ROBINSON  
 LLOYD ARNOLD THOLEN

**Degree of Bachelor of Laws**

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| JOHN PAUL APLINGTON, B.S., 1949     | JOSEPH ROGER LOWERY, B.S., 1948       |
| MAURICE ALBERT BENDES, B.S., 1949   | HAROLD ARTHUR MILLER, B.S., 1942      |
| RICHARD EKSTROM CARLSON, B.S., 1949 | DONALD ALAN MITCHELL, A.B., 1949      |
| KENNETH HOWARD CLAPPER, B.S., 1947  | DONALD RAY MITCHELL, B.S., 1948       |
| ERWIN COHN, A.B., 1949              | JOHN DAVID MORRISSEY, JR., A.B., 1947 |
| ROBERT LELAND DANNEHL               | LEO FREDERICK O'BRIEN                 |
| BILLY GENE DAVIS, B.S., Lawrence    | JOHN OLIVERO                          |
| College, 1948                       | LAWRENCE ARTHUR PATTON, B.S., 1949    |
| FRANK BERTRAM DEYO, B.S., 1949      | MARVIN PECHTER, A.B., 1948            |
| OWEN LEE DOSS                       | RALPH KENNETH PEEK, B.S., 1949        |
| PAUL ROBERT DOTSON                  | ROBERT CARLISLE PRESTON               |
| WILLIAM ROBERT DRISCOLL, B.S., 1949 | OMER THOMPSON SHAWLER                 |
| WILLIAM WASHBURN EARLY, A.B.,       | ARTHUR FREDERICK WENDLER, B.S.,       |
| 1948                                | 1949                                  |
| CHESTER EARL EVANS, B.S., 1949      | LOUIS DAVID WILLIAMS, A.B., Illinois  |
| WILBUR ALLEN EVERINGHAM, B.S.,      | Wesleyan University, 1947             |
| 1949                                | VIVIAN MAY WOOD, B.S., 1948           |
| ARTHUR DAVID GAMBACH, A.B., Buena   | VAUGHN NOSTE WOODRUFF, B.S.,          |
| Vista College, 1938                 | Bradley University, 1949              |
| CLETUS ROBERT HALL                  | CHARLES RUSSELL YOUNG, B.S., 1949     |
| WESLEY GIBSON HALL, with Honors     | EDWARD ZUKOSKY                        |
| PAUL EDWARD KARLSTROM, B.S., 1943   |                                       |

**Degree of Doctor of Law**

- |                                        |                                   |
|----------------------------------------|-----------------------------------|
| WILLIAM BURTON DAVENPORT, A.B.,        | JOHN DIETRICH KNODELL, B.S., 1947 |
| 1948; with Honors                      | JOHN MARTIN LAWLESS, B.S., 1949   |
| IVAN A. ELLIOTT, JR., A.B., 1948; with | WILLIAM MCINTYRE LEWERS, B.S.,    |
| Honors                                 | 1949; with Honors                 |
| NED AARON FLEISHMAN, A.B., 1948        | KENNETH RICHARD SHORTS, A.B.,     |
| EDWIN NORMAN GUNN, B.S., 1947          | Monmouth College, 1947            |

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

- |                                 |                                     |
|---------------------------------|-------------------------------------|
| JOHN RODNEY ABBOTT              | GEORGE HERBERT CAYWOOD              |
| DONALD JUDSON ADAIR, with High  | ROGER KEITH CAYWOOD                 |
| Honors                          | BRUCE ALBERT CERLING                |
| JOHN SANFORD ALBIN, with Honors | CATHERINE MARY CHRISTIE             |
| MALCOLM HERBERT ALEXANDER       | JOHN RAY CLINE, with Highest Honors |
| HAROLD CARL ALVIN               | DONALD EVERETT CODE                 |
| HAROLD CHARLES ATTEBERY         | JOHN ROBERT CORNEILLE, with Honors  |
| LAUREN DALE BERGER              | WILLIAM FINLEY CORRIE               |
| CLARENCE ARTHUR BEZIO           | ROBERT EARL CRAFT                   |
| FRANK AUSTIN BIRCH              | CHARLES HOWARD CRATZ                |
| CLARENCE ALLEN BOHLEBER         | JOHN WILLIAM CURRY, with Highest    |
| ALBION DANA BRACKETT, JR.       | Honors                              |
| ROBERT WARREN BRADEN, with      | DON B. DAVIS                        |
| Honors                          | JOHN WILLIAM DETROY                 |
| JOHN LAYTON BRADLEY             | MARCEL HERBERT DE WAELE             |
| HOWARD OSCAR BRAMEL             | BILLY BOB DRAKE                     |
| VERNON EDWIN BRISCHKE           | ROBERT PHILIP DRIVER                |
| CARL WAYNE BRUSH                | JAMES DESMOND DUNN                  |
| DONALD LEON BUCKALEW            | PHILIP ELLSWORTH EDGERLEY           |
| RALPH DELOS BUSWELL             | SCOTT DONALD ERICKSON, with Honors  |
| WILLIAM MARTIN CAMPBELL         | RICHARD KARLTON EUBANKS             |
| RAYMOND CHARLES CANIK           | ARTHUR PAUL EYMANN                  |
| SHERMAN QUINTEN CASE            | JOSEPH LEE FAIRBAIRN                |

JUDSON WESLEY FAW, with Honors  
 PAUL HAROLD FINKENBINDER  
 WILLIAM ALBERT FORTSCHNEIDER  
 JOSEPH EMERY FOSTER, with Honors  
 FREDERICK SCHERBER FRANK  
 DONALD K. FREEBAIRN, with High Honors  
 PAUL GEORGE FRIEDEL, with Honors  
 ROBERT EUGENE FRITZ  
 WILLIAM HAND FULLERTON, with Honors  
 VICTOR MORTON FUNK  
 HOWARD RYAN GALE  
 THOMAS BERNARD GLEASON  
 LESTER EARL GOODHEART  
 GERALD WILLIAM GOOK  
 ROBERT LOUIS GORECKI, with Honors  
 THOMAS JAMES GREEN  
 JOHN VICTOR HACKERSON  
 ROBERT HILLERY HAMILTON, Jr., with Honors  
 PAUL MAGNUS HANSELMAN  
 RALPH EUGENE HARMON  
 ARCHIE EVERETT HARPER, with High Honors  
 JACK IRVIN HARTLEY, with Honors  
 LENARD FRED HECKERT  
 ROGER WAYNE HEMKEN, with High Honors  
 ROBERT ALLEN HENN  
 ERMA WANDALENE HILL  
 ALBERT HINRICHS, JR.  
 JAMES ROBERTS HOLBERT, with Honors  
 CHARLES OLIVER HOOKS  
 WILLIAM ROSS HOSTETTER  
 EVERETT HRUBANT  
 JAMES LEX HUMPHREYS  
 RALPH MATHIAS HUNTER  
 HUGH ALDEN HURT  
 WALLACE WOLEVER HUTCHISON  
 GEORGE RONALD IFTNER  
 GLENN KARL IODER  
 ROBERT HENRY IRVIN  
 HUBERT ROBERT JACOBS  
 LAVERNE AUGUST JENNE  
 MELVIN WALTER JOHNSON, JR.  
 ROGER DAVID JOHNSON  
 WAYNE DONALD JONES  
 DONALD JOHN FREDERICH JORDING  
 ROLAND ROBERT KANE  
 LOUIS AARON KAWESCH  
 JOHN FLETCHER KEENEY, with Honors  
 FRED JOHN KILLAM, with Honors  
 ARDELL WRIGHT KIMMEL  
 EDWARD MAURICE KIMMELSHUE  
 WILLIAM KIRCHHOFFER, JR., with Highest Honors  
 MERTON WALTER KLEMM  
 EDWARD WILLIAM KOENIGSMARK, with Honors  
 BERNHARDT CARL KRAUSE

WALTER LYLE LAMB, with High Honors  
 NORMAN EUGENE LAMP  
 CARLYLE JULIUS LERCH  
 LYLE DEAN LEWIS, with High Honors  
 MERWYN KEITH LINDSTROM, with Honors  
 GERARD FRANCIS LINSNER, with High Honors  
 WILLIAM RICHARD LLOYD, with High Honors  
 ALBERT LOUIS LUNDGREN  
 BURTON RUSSELL LUNDQUIST  
 THOMAS DAVID LUTZ  
 ALEXANDER JAMES MACKIMM  
 HAROLD KAY MAIN  
 DONALD ROSS MANN, with Honors  
 CHARLES ELVIN MARTIN, with Honors  
 WILLIAM MERRITT MARTINIE  
 PERRY WHEELER MCCLELLAND  
 HORACE RICHARD MCCULLOCH  
 JAMES GERALD MCCURDY  
 CHARLES HANNAM MCKIE, with High Honors  
 JOHN DAVID MCNAIR  
 EVERETT HENRY MEYER  
 ROLAND WENDELL MEYER, with Honors  
 OREN FREDERICK MILES  
 J. PHILLIP MILLER, with Honors  
 LAWRENCE MILLER  
 JOHN ELMORE MOATS  
 LARSON TIMOTHY MOGAN  
 GLENN HENRY MOODY, with Honors  
 CHARLES DANIELS MOWERY  
 CARL IMMANUEL NELSON, JR.  
 ISAAC LANSING NEWMAN  
 DONALD WAYNE NIEWOLD, with Highest Honors  
 HARLEY PHILIP OLSON  
 DANIEL JOHN OWENS, JR.  
 RALPH ERNEST PAINTER, JR.  
 GLENN HAROLD PAULSGROVE  
 CHARLES RAY PEARSON  
 ROY EVERETT PHELPS  
 SAMUEL DAVID PHELPS  
 WILLIAM ORRIS PICKETT  
 RICHARD ALLEN PILCHARD  
 PHILLIP EDMOND PLUMART  
 NORBERT FRANCIS POHLMAN  
 PAUL FREDERICK REIFSTECK  
 ROBERT WILLIAM RENKEN, with Honors  
 WILLIAM ROBERT RENAUD, with Highest Honors  
 GEORGE EDWIN RUBLE  
 GEORGE BENJAMIN RUBY  
 CLARENCE EUGENE RUTHE  
 EVERETT LANE SANDUSKY  
 ORVILLE LOUIS SAUDER, with High Honors  
 WARREN ELLSWORTH SCHMIDT  
 JAY NORMAN SCHNEIDER

VERYL EDWARD SCHUBERT  
 ALVIN DAVID SCHULMAN  
 EDWARD DONALD SCHULTZ  
 CLARENCE P. SCHUMAIER, with Honors  
 KENNETH EDWIN SCOTT  
 JOHN ALAN SHIELDS, with Honors  
 HERBERT EUGENE SHORT  
 MILTON DAVIS SHULMAN  
 JOHN JOSEPH SMALL, with High Honors  
 OWEN M. SMITH  
 DONALD LEO SNAVELY  
 KENNETH WILLIAM SODERSTROM  
 JOHN DONOVAN SOMERS  
 JOHN REGINALD STAUBUS, with High Honors  
 HENRY H. STRAUS, with Honors  
 CHARLES SAMUEL STUBBS  
 JOHN GLYNDON STUFF  
 HARVEY LOUIS STUMFF, with High Honors  
 CHARLES WILLIAM SYKES  
 ARNOLD CRAIG TAFT  
 ROBERT RITCHEY TEEL, with Honors  
 CHARLES EDWARD TERRIL

WILLIAM ALFRED THARP, JR.  
 GORDON REICH THOMAS  
 LYLE EDWIN TOEPKE  
 VIRDEN LEE TROTTER  
 CHARLES ARTHUR TURNER  
 ELDON RAYMOND TWICHELL, with Highest Honors  
 NORMAN PAUL VOGEN, with Honors  
 RICHARD EDWARD WAGONER  
 ROBERT DANIEL WALKER  
 JAMES NELSON WHITCOMB  
 WESLEY CRAIN WILCOX, with Honors  
 RICHARD LLOYD WILLIAMS  
 CLARENCE JEREMIAH WILSON, with Honors  
 MARVIN WILLIAM WIRTZ  
 AARON MEREDITH WYSONG, with Highest Honors  
 LEX EVANS XANDERS  
 EDWARD YADLOSKY  
 HARRY WHITAKER YODER, JR., with Honors  
 GEORGE FRED ZELLMER, JR.  
 LAURENCE SETH ZUCKERMAN

*In Dairy Technology*

HERMAN McADAMS HOWARD  
 LINCOLN THOMAS KREUZKAMP  
 DONALD MILLER  
 DONALD GENE SANG  
 JOHN TRUMBO VAN ETTEN

ROBERT LEE VEDELL  
 CLAYTUS EUGENE WATTERS  
 JOSEPH GEORGE WEST  
 FRANK WILLIAM WHITE

*In Floriculture*

BERNARD RAY BUTLER  
 GEORGE MAURICE CHENIAE, with Honors  
 LENNART ALGOT HOLMBERG  
 WARREN JOSEPH KUTCH  
 ROBERT WILLIAM LATEER, with Honors  
 PATRICK MARTIN MILLER, with Highest Honors

ALBERT PERCY NORDHEDEN  
 EILEEN ANN O'DONNELL  
 JAMES ROBERSON PRUTER  
 HUGH HOPPS ROBINSON  
 WILLIS JACK SCHMECKEBIER  
 NOBLE JENKINS SMITH

*In Food Technology*

WILLIAM JAY HOOVER, with High Honors

JOHN CALVIN SAILOR

*In Home Economics*

MAIZIE JEANETTE ANGIER  
 BARBARA MAY ATTEBERY  
 CATHERINE JEAN ATTEBERY  
 RUTH ANN BUSCH  
 MARY LOUISE CAMPBELL  
 CHARMIAN NANCY CHASE  
 SARAH COX  
 CLARA ADRIAN CRAFT  
 LORETTA JEAN DIERKES  
 INGRID JOAN ELOWSON  
 HELEN ADELAIDE FINLEY  
 JENNIE EUGENIA FORD  
 CAROL JEAN GROSSTEPHAN  
 MARY LOIS HANNING  
 MARY FRANCES HANSEN, with High Honors

DOROTHY ANN HOLIN  
 MARILYN IRENE HOUSE  
 DOROTHY ELLA KELLOGG  
 ARMINA HENRIETTA KOLMER, with High Honors  
 MARIAN RUTH LAMB  
 NESTA JEAN MANN  
 MARGARET JEANETTE McELVAIN, with High Honors  
 HELEN JOHANSEN MEDENDORP  
 ELLEN RUTH MEYER, with Honors  
 CLARIBEL LOUISE MILLER  
 MARY GLENDOLA MYERS  
 MARY PALCHEFF, with High Honors  
 JILL PITTS  
 PHYLLIS LORRAINE PRETZMAN

JEANNINE AGNES REICHEL  
 PATRICIA LOU RINGGER, with  
 Honors  
 MAXINE RAE ROBERTS  
 RUTH ELIZABETH ST. JOHN, with  
 Honors  
 YVONNE WOOLEY SCHAEFER, with  
 Honors  
 PATRICIA CLAIRE SCHERER

PATRICIA JOAN SHELLEN  
 JOAN ROSEMARY TARRO  
 MARJORIE ANN THORSON  
 JEAN MARIE VERTOVEC  
 CAROL NELSON WILLIAMS  
 ROSE MARIE WORTHEY  
 VIVIAN ANNE ZENZIFER  
 SHIRLEY ANN ZIEGLER, with Honors

*In Home Economics Education*

NORMA EILEEN BOWARD, with Honors  
 NORMA PLOTNER DAVIS  
 MARIE TERESE FLACH, with High  
 Honors  
 BEVERLY JEAN GIBBS, with Highest  
 Honors  
 MARJORIE BERNADINE HARMS  
 KOREEN PHA KRAFF  
 GINEVERA MARIE LITTLE  
 LEOTA DARLENE NASLUND, with Honors  
 JANE DIVALL POLLARD

BARBARA ISABEL PRENTISS  
 FRANCES JEAN ROBINSON  
 MARIAN LOUISE RYAN, with Honors  
 ESTHER MYRTLE SCHUCHMANN  
 VIRGINIA LUCILE STEWART, with  
 Highest Honors  
 CONSTANCE LOUISE WALKER, with  
 Highest Honors  
 DOLORES PAULINE WHITE  
 MARGY JEANETTE WOODBURN, with  
 Highest Honors

*In Restaurant Management*

SHELDON WAYNE BECHER

*In Vocational Agriculture*

HEARL CHESTER BISHOP  
 DANIEL DEAN CHAMBERS, with Honors  
 MARVIN DEAN KREILING  
 RUSSELL OLIVER LEWEY, with High  
 Honors

EUGENE JOHN POHL  
 ELTON LEE STEFFEN

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

*In Aeronautical Engineering*

PAUL HERBERT ANDERSON, with High  
 Honors  
 KENNETH GLENN BENSEN  
 ALLEN MERRILL BENSON  
 JAMES LAURELL BODE  
 SHERWOOD FRANKLIN BRASCH  
 MAX THOMAS BRAUN, with High  
 Honors  
 DONALD GEORGE BROWN  
 CALVIN HOMER BRUNINGA  
 REED LYNN BURCH, with Honors  
 HOWARD RILLING BURNETT, with  
 Honors  
 RODNEY STUART CHASE  
 ALLEN CLIFFORD DANIELS  
 THOMAS WILLIAM FEHR  
 CLIFFORD CALVIN FELT  
 HERMAN DAVID FRONING, JR.  
 PAUL NORMAN FULLER  
 BYRON LOWELL GABBERT  
 GLEN EUGENE GABRIELSON  
 LAVERNE WILLIAM GONNERMAN  
 NORMAN EARL GOWIN, with Honors  
 WINTHROP ADOLPH GUSTAFSON, with  
 High Honors  
 JOHN PETER HEADLUND

CHARLES FRANKLIN HERNDON  
 ROBERT FRANK HUNTER  
 EDWIN LEIGH JONES, JR.  
 CHARLES EDWARD KAEMPEN  
 DONALD JOSEPH KATZ  
 MICHAEL WILLIAM LUDWIG  
 HERBERT BRYAN LYONS, JR.  
 DEWEY JULIUS MANCUSO  
 RICHARD EDGAR MARTIN, with High  
 Honors  
 RICHARD ALAN MEYER  
 GLENN GROVES MYERS  
 RICHARD HAZEN MYERS  
 JOHN EDWARD O'HERON  
 JAMES RICHARD PLIML  
 WALTER DUANE REEDER, with High  
 Honors  
 PURNA CHANDRASEKHAR RAO SANGA  
 ARTHUR IRWIN SCHMIDT  
 GENE SHINOSAKI  
 WILLIAM EMIL SIMON  
 RICHARD ROBERT SLADEK  
 CHARLES CORLESS SMITH  
 CHESTER TARCYSIUSZ SOKOLOWSKI  
 ERNEST STUCKAL  
 KENNETH ALAN YOUNG

*In Agricultural Engineering*

ROBERT JUNIOR CAMP  
 BENJAMIN FORREST DETROY  
 LYMAN WAGNER HELLER  
 WAYNE DONALD JONES  
 MICHAEL LENARD, with Honors  
 EDWIN JOHN MONKE, with High Honors  
 EUGENE PALMER MORGAN  
 ROBERT LLOYD MORRIS

ARTHUR JAMES MUEHLING  
 RANDEL ARTHUR ROCK  
 MERRET BAKER SANDERS  
 GILBERT FREDRICK SAUER  
 JAY NORMAN SCHNEIDER  
 HOWARD LESLIE WAKELAND  
 DONALD RAY WILLIAMS  
 DEAN WILLIAM WINTER

*In Ceramic Engineering*

HUGH EUGENE BOETTNER  
 DONALD EDWARD BOULTBEE, with Honors  
 EDWARD MICHAEL BUTKOVICH  
 CHARLES MERLE COOK  
 DONALD PATRICK CROSBY  
 VERNON HARRIS EDLIN  
 EUGENE ALBERT FISHER  
 RICHARD MERLE FULRATH  
 ROBERT HOWARD HERRON, with High Honors  
 JOHN PARKER JERO  
 DUDLEY BURT JOHNSON  
 RAYMOND RALPH KIMPEL

JULIAN HAWTHORNE LAUCHNER  
 CHARLES RICHARD MACPHERSON  
 GEORGE DON McTAGGART  
 JOHN PATRICK NOVAK  
 LEROY ELMER PETERSON  
 LUCAS EDWARD PFEIFFENBERGER  
 WILLIAM GEORGE SCHUMACHER  
 JEROME DAVID SCHWEITZER  
 JAMES THOMAS SHAPLAND  
 HERBERT ROBERT TOLER, JR.  
 JAMES WILLIAM TUSTIN  
 NEIL DOUGLAS VAN DYKE  
 JAY MOSES WOLDENBERG  
 DONALD ARCHIE ZUMWALT

*In Civil Engineering*

RICHARD WILLIAM ARMSTRONG  
 SUAT ALI ATAY  
 LEROY DONALD AUSTIN  
 GEORGE McCLELLAND BAUER  
 ALPHEUS CUTLER BEMIS  
 ROBERT MORTON BLAIR  
 CARROLL EDGAR BLAKEMAN  
 ROY CARL BODETT, JR.  
 LAWRENCE ARTHUR BOLIN  
 MILTON JOHN BORIK  
 WILLIAM CLEMENT BOYD, with High Honors  
 WILLIAM ROE BRIDGES  
 WILLIAM TAYLOR BRISTOW, JR., with Honors  
 EDWARD ALBERT BROOKS  
 ROBERT EDWARD BRUMBY  
 RICHARD DEXTER CIESLA  
 ROBERT RICHARD COOPMAN  
 GEORGE LEROY CRAWFORD  
 JAMES JOSEPH CURTIS, JR.  
 CLYDE KEITH DIAL  
 PHILIP GORDON DIERSTEIN  
 STANLEY DODGE DOREMUS, with Honors  
 JOHN ERNEST EBBESEN  
 LOUIS JOHN ECK  
 RICHARD WARREN ELDREDGE  
 WILLIAM GEORGE EMRICH  
 ARTHUR WILLIAM ENDER  
 CARL NICOLAUS FALKENSTROM  
 EDWARD BAUER FINKEL  
 SIDNEY JONES FLOOK  
 DONALD DELOS FOWLER  
 VAREL LEONEL FRALEY  
 ROBERT EDWARD FROST

TOM SAMUEL FRY  
 ROBERT FRANCIS GALLAGHER  
 CARLO GHILARDUCCI  
 FRED OWEN GILBERTSEN  
 LOUIS GEORGE HALLA  
 DONALD GENE HANKINS  
 WILLIAM AUGUST HASSE  
 RICHARD WADE HUSTON  
 NICHOLAS ANTHONY IOSUE  
 HAROLD IRVING JOHNSON  
 LEE WENDELL JONES  
 ROBERT FRANCIS KENNEDY  
 RAYMOND EARL KIGER  
 RAYMOND JOHN KOCOL  
 WILLIAM DAVID KOEPEL  
 JERRY THOMAS LACY  
 JOHN WILLIAM LAGER  
 BENJAMIN ELMER LAMPITT, JR.  
 DUANE FAY LILLIE  
 ROBERT BOTHO MACK, with High Honors  
 GORDON WILLIAM MARTYN  
 FRANCIS EUGENE MAYHALL  
 GERALD VINCENT MCCOLLAM  
 PATRICK HAROLD McHOOD, JR.  
 WILLIAM CARL MEISENHEIMER  
 CARL JULBERT MELIN  
 HARTMAN MITCHELL, with High Honors  
 RAYMOND FRANCIS MOTTET  
 DONALD JAMES NELSON  
 MIKE NIKCEVICH  
 ROLAND HARRY OLSON  
 MYRON ELLIS OPPENHEIM  
 FRED ROBERT PERLMAN  
 LAWRENCE BENJAMIN POLKOWSKI

CHARLES RAY PULLEN  
 ROGER LEVIN RICHEY  
 JOHN REMMERS ROSS  
 PAUL EUGENE RUSSELL  
 RUSSELL GEORGE SANDEN  
 GLEN HAROLD SAWYER  
 ROY STEVEN SCHECK  
 WILLIAM SHACKELFORD  
 ALBERT SIFER  
 ROGER E. SKINNER  
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Degree of Bachelor of Arts

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LEE MARIE CADWELL, with Honors in  
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Degree of Bachelor of Science

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 FELIX THOMAS TANCELIA

JAMES WILLIAM TERRY  
 IRENE LILLIAN THER  
 VANNA JOY THORMAN  
 WILLIAM DEAN THRASHER  
 VIVIAN HARRIS TICHENOR  
 RUSSEL ROBERT VIEHMAN  
 STEVE LAWRENCE VLASICH

LEONARD POPE WEBER  
 MARY ANN WEEKS, with Honors  
 EDWIN TADEUS WILK  
 SAMUEL KENDALL WILSON  
 BETTY ZIDELL  
 PAUL KENNETH ZILLY

## COLLEGE OF FINE AND APPLIED ARTS

### Degree of Bachelor of Science

#### *In Architectural Engineering*

DELBURT EVERETT ALLISON  
 IVAN GEORGE ANDERSON, JR.  
 GILBERT MERCHANT BEATTY  
 EDWARD MATHEW BORRE  
 THOMAS GRAHAM BRADLEY  
 WALTER WARREN BROWN  
 DAVID BERNARD COHEN, with Highest  
 Honors  
 LEROY MYRON COHEN, with High  
 Honors  
 LAWRENCE LEROY DOBYNS  
 MARTIN DAVID DUBIN  
 DELBERT LOUIS DUDENBOSTEL, with  
 Honors  
 ROBERT WILBUR EBY, with Honors  
 JOHN ANDREW ERICKSON  
 RONALD WEBSTER FELT  
 ALBERT WOLFGANG FRIEDLAND  
 ANDRE GAY  
 JOHN HENRY GEIGER, with Honors  
 ROBERT ERNEST HAYS, with Honors  
 WATSON ARTHUR HEALY  
 THOMAS JOSEPH HICKEY  
 WALTER ELLSWORTH HOUGHTON, JR.  
 DEXTER INMAN, with Honors  
 MALCOLM BRYANT JASEPH  
 ROBERT EDWARD KAIN  
 ARTHUR JESS KAULFUSS  
 HOWARD EDWIN KESSLER  
 HAROLD JAMES KOCA  
 ORVILLE IRVIN KURTZ

CARL MARTIN LINDSTROM  
 EDWARD GEORGE MALISKAS  
 WILLIAM McRAE MATTINGLY  
 MARVIN MEYERS  
 WALTER JOHN MIER  
 ROBERT DELOS MOULTON  
 ROBERT GENE NEAL  
 ROGER ORKIN  
 ALBERT OSRAN  
 GUY CHARLES PARKER  
 ADRIAN MOUNT PEARSALL  
 VICTOR POJMAN, with Honors  
 DAVID KEITH PYLE, with High Honors  
 EDWARD DANIEL RECHEL  
 KENNETH MERL RHODES  
 DUANE BARR ROWE  
 ALBERT FERDINAND SEDEEN  
 JOHN EDWARD SEVERNS, with High  
 Honors  
 JOHN ROBERT SKINN  
 THOMAS ANTHONY SMITH  
 DONALD FRASER STEWART  
 FLOYD DAVID STEWART  
 HOWARD TATTNALL STORY  
 ABE TANNENBAUM  
 MIGUEL VASQUEZ, JR.  
 JOHN THOMAS WALLACE, JR., with  
 High Honors  
 ROBERT EDWIN WILLIAMS  
 JAMES DARSE WOODS  
 ARNALDO ZANCANER

#### *In Architecture*

CARL WILLIAM ALMBLAD  
 ROBERT LEE APPLEGATE  
 WILLIAM HAMILTON ARTHUR, JR.  
 JOHN AUBREY BANKS  
 JAMES MERRILL BATTERSBY  
 ALBERT BELROSE  
 HILDEGARDE INGRAHAM BERGEIM, with  
 Highest Honors  
 IRWIN BERKUN  
 ROBERT EUGENE BOLES, with Honors  
 DONALD LOUIS BROOKS-MILLER  
 HARRY NOBLE CALDWELL  
 KENNETH XAVIER CAREY  
 JAMES LEE CARON  
 DANIEL COMM

EDSON GREENLEE CONNELL  
 DEWEY GEORGE DEARING, JR.  
 MORRIS VERNON DOYLE, with Honors  
 CLIFFORD RAY FIELDS  
 SAMUEL GERALD FOOTLIK, with High  
 Honors  
 ROBERT WADE FORSYTHE  
 HENRY ROBERT GABRIEL  
 CHARLES ELLIS GARRISON  
 WILLIAM FRANKLIN GOLDING, JR.  
 NANCY HEAL  
 GLENN CHARLES HJORT  
 QUENTIN NORBERT HOFMAN  
 JOHN DAVID HUBBARD, with Honors  
 GORDON MARVIN IHBE

ROBERT LEO JABLONSKI  
 ARTHUR JESS KAULFUSS  
 CONRAD STEVEN KRISTMANN  
 ALBIN EDROY KUBALA  
 JACK MARTIN LEVIN, with Honors  
 LEE LIPSON  
 PAUL JAMES LOUGEAY  
 WALTER MANNABERG  
 ROGER CALVIN MELLEM  
 KENNETH HARRISON MENDENHALL, JR.,  
 with Honors  
 IRVING MOSES  
 DONALD SCOTT MURRAY  
 ROBERT JOSEPH NELMAR  
 HOWARD NICKERSON, JR.  
 EARL WILLIAM PARCE  
 DONALD VICKREY PATTON  
 LESTER WILBUR POKLEN  
 DANIEL DAVID REGINATO  
 ALPASLAN REYHAN  
 MARILYN LORINE ROHE  
 ROBERT OLIVER ROY, with Honors  
 ARTHUR HERMAN RUDE

WILLIAM JOHN SCHEIDEMANTEL, with  
 High Honors  
 EMERSON CASTER SCHOLER  
 PAUL BRENDEN SHEEHAN  
 ROBERT JERRY SIDLO  
 ROBERT ALBIN SOELLNER  
 DONALD EDWIN STOLL  
 ROBERT BRENNEN SULLAN  
 NORTON SAMUEL SUTER, JR.  
 ROBERT MILTON TENNANT, with Honors  
 ARNOLD WILBUR THOMPSON  
 GUNNAR THORESEN  
 WILEY JAMES TILLMAN, with High  
 Honors  
 JOHN JAMES TRUEMPER, JR., with  
 Honors  
 ROBERT DOUGLAS WARNER, with  
 Honors  
 LLOYD JACOB WEBER  
 FRANK XAVIER WEINERT, with  
 Honors  
 RICHARD EMERY WHITE, with Honors  
 HAROLD WIENER

#### *In Landscape Operation*

ROY FREDERICK CLAVEY, JR.  
 EDWARD SPEER REID

GEORGE FREDRICK ROSS

#### *In Music Education*

PHYLLIS LLEWELLYN ANOVITZ  
 GRACE OLGA BALAZS  
 EVELYN BLACKMAN  
 FLETA MAE BEISNER BOYD, with  
 Honors  
 ANNE BURSTER  
 JUANITA JEAN DAVIS  
 AMY FUHRBERG  
 JOAN LATOWSKY GLEASON, with Highest  
 Honors  
 BARBARA ANN GRUMLEY  
 EUGENE LEE ICE  
 EUGENE WALTER LOFTISS, with Honors

DARRELL KEITH MCCARTY, with  
 Honors  
 HAZEL LAVERNE MEERS  
 RODNEY LEMOYNE MILLER  
 JOAN MAE OPELT, with High Honors  
 RICHARD AUSTIN OVERBEY  
 RUSSELL ORIS PUGH, with Honors  
 NANCY ROSE  
 WESLEY QUAYLE STELZRIEDE, with  
 High Honors  
 BARBARA LEE STEWART  
 FRANK IRWIN STOCKSTILL  
 DAVID WALTER TUCKER, with Honors  
 ROBERT KARL WEBB

### **Degree of Bachelor of Fine Arts**

#### *In Advertising Design*

HOWARD ALFRED BURGDORF, with  
 Highest Honors  
 JOSEPH CULOTTA  
 ARTHUR DANNER, JR.  
 JEAN DANIEL DEVAUD, with Honors  
 WANDA DELLE HAHN

ROBERT ERNEST VOGELE, with Highest  
 Honors  
 HERSHEL JOSEPH WARTIK, with  
 Highest Honors  
 CHRISTOPHER JOSEPH ZAJIC

#### *In Art Education*

HAROLD HARMAN ALEXANDER  
 JANET WELLINGTON CARSON, with  
 Honors  
 DANIEL ADOLPH COHEN  
 MONA LYNNEA DEAN  
 PHYLLIS DONOHUE, with High  
 Honors  
 NORMA LOUISE GIDDINGS  
 MARJORIE ROBBINS KNAUSS, with  
 Honors

LUCILE STICE KNIGHT  
 ALICE WYMAN MILLER, with High  
 Honors  
 FRED DAVID PETING, with Honors  
 MARJORIE LEE SHEARER  
 RAMONA ALICE TARRANT  
 NORMAN BERTRAM VAN KOUGHNETT  
 JOAN MARY ZIV

*In Industrial Design*

WALTER BAKER, JR.	CHARLES VINCENT LAROCO
HENRY HERMAN BLUHM	STEPHEN DAVID NAPIER
JOHN ROBERT CARLSON	JAMES LYLE SCHUCKER
JOAN FAGERBURG, with High Honors	EDWARD JOSEPH SEILER
HUGH DANA HUBER	EARL STEINKE
EDWARD JOSEPH LALLY	

*In Landscape Architecture*

HAROLD ARTHUR CARLSON	PHILIP HOWARD LEWIS, JR., with Honors
THURMAN DEHART DONOVAN	THOMAS ELTON MOORE
TOM SHERMAN HAMILTON, JR.	ROBERT HOWARD MYERS
HENRY GERHARD HENDRICKSON, with High Honors	PAUL MARTIN NOVAK, with Honors
NANCY ANN HOPKINS, with High Honors	OTTO PAUESICK, JR.
	CLIFFORD EUGENE ROWE
	MARGARET ANN SINCLAIR

*In Painting*

RUTH ELLEN AKEY	CAROL LAVERNE MARQUARDT
FLORENCE LOU BECHTOL, with Honors	ALICE JANE BROWN MYERS, with High Honors
CHARLES JOSEPH GRAHAM	FREDERICK WILLIAM VOELPEL
CARL RANDALL HELDT, JR.	DELORES BOURAS WALLACE, with High Honors
DONALD WALLACE HOLST	
ANNE JAECHKE, with Honors	
BENJAMIN WHARRIE LAWLESS, JR.	

**Degree of Bachelor of Music**

BARBARA ANN GARVEY, with Highest Honors	MAE PELLER, with High Honors
TRENT SIMON KNEPPER	DONALD EUGENE STOUT, with Honors
DARRELL KEITH MCCARTY, with Honors	

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

JAMES ETHRIDGE AARON	JOSEPH CHARLES HAYER
ALLYN BOOKER ALLEN	HOWARD MILTON HOLMGREN
DENMAN JOSEPH BASSETT	GEORGE ROLLIN HOOVER, with Honors
ARTHUR EDWARD BLECKE	BERNARD WILLIAM HURLEY
THEODORE BOCKMAN, JR.	LOUIS MELVIN IRONS
MARY LOUISE BUTTERFIELD	ELLIN HINTON KAUFFMANN
LYLE ALVIN BUTTON	DAVID RALPH KENNEDY
DONNELLE DEAN CHAPLIN	WILLARD EUGENE KENNEY
LOUIS COTOVSKY	PAUL WALTER KRATZ, JR.
GEORGE JOHN MICHAEL DAYIANTIS	ELAINE KROLL
CHARLES ELLIE DIAL	GWEN ADAIR LAUFER
WILLIAM O'NEAL EDWARDS	BERNADETTE ANN LONGAWA
ALBERT DUWAYNE ELLSWORTH	EDWIN CHARLES LUNDIEN
BERTIL WILLIAM ERICKSON	WILLIAM CLARENCE MANN
DOROTHY HELEN JANE FISHER	VIRGINIA LEE METZLER
MELBA ROSE FRANK	DON ELTON MILES
JANET CLAIRE FRAZER	BERNARD JAY MILLER
LORRAINE MARIE FREZZA	BENTON DEMPSEY ODUM
JESSIE FUJITA	RAY CHALMER O'NEAL
THOMAS DIMITRI GACHI	GEORGIA ANN PAHLOW
ROY JAMES GATEWOOD	DOMENICK JOHN PECCHIA
JOSEPH GIAGNORIO	HERBERT EUGENE PLEWS
EVERETT GEORGE HALL	JOHN WALTER RUSHIEWSKI

BURTON J. SCHMIDT  
ELMER ARTHUR SCHOLER, with Honors  
WALTER CARL SIEBOLD  
GUS SKIZAS  
MARCIA JANE SPAETH, with Honors  
LESLIE SPARREY  
EDNA SPEAR  
EDWARD ALBERT STARKS

THOMAS CRAWFORD STEWART  
STEVE SUCIC  
FREDRICK THOMAS TAMEN  
ANGELO ARTHUR TIRITILLI  
PATSY PERNETTE WAGNER  
LOUIS WILLIAM WAPPEL  
DAVID CLINTON WOODWARD  
CLARE RAY ZIMMERMAN

*In Recreation*

HENRY ALBERT PLAIN

KENNETH ALONZO WAITY

**DIVISION OF SPECIAL SERVICES FOR WAR VETERANS**

**Degree of Bachelor of Science**

WILLIAM ADAMS  
LOUIS WALTER ALEXANDER, JR.  
JEAN GEORGE ALFERS  
HERMAN ROLLIN ALLEN  
DOUGLAS HANS AMUNDSON  
DARREL MARTIN ANDERSON  
DONALD EUGENE ANDERSON  
HENRY ANDERS ANDERSOHN, Jr., with  
High Honors in Art  
DALE ROBERT ARVIDSON  
ALBIN JOSEPH AUGUSTYN  
GEORGE BAHRY  
PHILIP ANTHONY BAIN  
ROY BERNARD BALDER, JR.  
EARL THOMAS BALKUM  
FRED ANTHONY BARNABE  
ROBERT ESMOND BARNETT  
RALPH LUVERNE BEASON  
IVAR BEN BENTSEN, with Honors  
RONALD EUGENE BLACK  
GEORGE SHELDON BLANCHARD  
MERRILL YALE BLOCK  
BERNARD CORMAN BLUMENTHAL  
ORVILLE GUS BOLTE  
IMOGENE BOTTOMS  
JAMES PHILLIP BRADLEY  
JOHN MARSHALL BRANION, JR.  
JOHN CARTER BREARLEY  
JEROME BRESSLER  
EUGENE HORACE BRIDGES, JR.  
WALTER MANNING BRIGGS  
ERWIN RISLEY BRIGHAM  
FREDERIC WILLIAM BRODIE  
GLEN DONALD BROWN  
JOHN POWERS BRUNDAGE  
SEVERYN TEN HAUT BRUYN, JR.  
ALAN DEAN BUCK  
JAMES WILLIAM BULLOCK  
ROGER STANLEY BUMSTEAD  
RUSSELL IVAN BUNN  
RAYMOND LEWIS BUTCHER  
JOSEPH ANTHONY CALVETTI  
WILLIAM CARROLL CAMPBELL  
JOHN DAVID CAPPS  
JOHN CLARK CARTER  
RICHARD MILES CHELOTTI

IRVING ABEL CHESLER  
JAMES BERNARD CLARK  
ROBERT FRANKLIN CLAXTON  
BERNARD BEN COHEN  
DAVID SAUL COHEN  
JOHN DEBRATH COMPTON  
JAMES EDWARD CONRAD  
FRANK DEVINE COOKE  
FRANK WESLEY COPELAND  
FREDERIC OTTO CORRAN  
WILLIAM ELLIS CREEK  
ARTHUR JAMES CREIGHTON, JR.  
GEORGE KILPATRICK CRICHTON, JR.  
SAMUEL BYRON CRISPIN  
HUGH EDWARD CROSS  
JACK LESEMANN CROUSE  
JAMES EVANS CROWELL  
THOMAS ROBERT CZAJA  
DONALD RICHARD DAVIS  
WILLIAM LESLIE DAVIS  
LYLE CLAIR DENTINGER  
JOHN CALVIN DEVINE  
ALOYSIUS JOSEPH DIDIER, with Honors  
CARL EDWIN DIECKMANN  
BERNARD WILLIAM DIEMER  
ALBERT ANTHONY DILGER  
LOUIE MAX DIXON  
HUBERT DEAN DODDS  
CHESTER FRANK DORоба  
RODNEY VAUGHN DOUGHERTY  
HERBERT GLENN DRAKE, JR.  
JAMES ROSS DUNCAN  
DAVID DEWEY DYER, JR.  
VERN ELMER ECHOLS  
MELVIN ALLEN EDELMAN  
ROBERT FRANCIS ELLENA  
DANIEL HENRY ELSE  
MAXWELL JAY EPSTEIN  
HOMER JEROME ERZINGER, JR.  
JAMES WILLIAM EVERHART, JR.  
ROBERT DEAN FAGALY  
GILES STOLP FARMER  
ANDREW FRANCIS FAY  
CARL LEO VICTOR PETER FEDERICI  
MYRON ROBERT FELDMAN  
ROBERT JULIAN FELLOWS

EARL EDWARD FENNER  
 ROBERT FAULKNER FENTON  
 GEORGE ALBERT FISCHER  
 DONALD JOHN FISHER  
 HAROLD EDWARD FITZGERALD  
 GEORGE HUSTON FLOWER  
 DARRELL MAYNARD FORBES  
 PAUL DOW FOSTER  
 JAMES AMBROSE FRANCOEUR  
 FRANK HENRY FRANDSEN  
 HARMON CLARENCE FREETO  
 RICHARD NEIL FROST  
 MARK HENRY FRY  
 VERNON KEITH FULLER  
 THEODORE FUNNEKOTTER  
 JOSEPH FRANCIS GAMBINO  
 EDWARD BRUCE GASSER  
 GEORGE WEBER GASSMANN  
 HARRY CHARLES GERSBAUGH  
 EUGENE ADOLPH GIESLER  
 HAROLD CARL GOHL  
 HOWARD HENRY GOHL  
 NORTON ROBERT GOLDBERG  
 ALBERT JOSEPH GOLDSTEIN  
 GEORGE HERBERT GORDON, JR.  
 ROGER PAUL GOSSWEIN  
 GEORGE EDWARD GRAZIADEI  
 WILLIAM KELTS GREEN  
 DAVID ANTHONY GROBL  
 HAROLD ANDREW GUNDERSEN  
 MEL JOHN GUTSTADT  
 PAUL MILTON HAINES  
 THOMAS BASHORE HALLMAN  
 JULIUS ELLSWORTH HAMMACK  
 CHARLES PORTER HAMMERSMITH  
 RONALD ROMAN HANZL  
 WILLIAM CARLTON HARCOURT  
 ROBERT LEON HARDIN  
 DONALD JACK HARPER  
 JEVNE HAUGAN  
 DARRELL NEIL HELMUTH, with High  
     Honors in Geology  
 LEON HERZOG  
 GLEN EDGAR HESLER  
 JAMES ALEXANDER HEUER  
 THEODORE J. HIMES  
 EUGENE EARL HIXSON  
 MORRIS GLENN HOCUTT  
 ARVO EDWIN HOKANS  
 GEORGE HOOGASIAN  
 DANIEL EDWARDS HOOTON  
 VICTOR RAMSEY HORTON  
 KENNETH RICHARD HOWARTH  
 JAMES ALFRED HOWDEN  
 ROBERT BERNARD HUDAK  
 STANLEY EARL HUFFSTUTLER  
 RAYMOND HUGGINS  
 WHITFIELD GEORGE HUGHES, JR.  
 JERE LEE HULSON  
 JOHN BERGESS HULTGREN  
 JAMES RICHARD HUNTER  
 JAMES JOHN HUSA

PAUL EUGENE HUSTON  
 RALPH VERNON HUTTON  
 WILLIAM CHARLES JACKSON  
 CHARLES HASKLE JACOBY  
 DANIEL JOHN JANUS  
 CHARLES RICHARD JELLIFFE  
 HAROLD LeROY JENSEN, with Honors  
 JAMES CLIFFORD JESSEN  
 ACHMED LAWRENCE JOHNSON, JR.  
 CARL FRANCIS JOHNSON  
 FLETCHER GILBERT JOHNSON  
 KENNETH EDWARD JOHNSON  
 ROBERT ERNEST JOHNSON  
 ROBERT CHARLES KAUFMANN  
 HARTWELL CHARLES KEITH  
 BURT HENRY KELLY  
 HARRY JOHN CLARE KELLY  
 ROBERT EDWARD KELLY  
 EUGENE WELDON KEPLINGER  
 WALTER THOMAS KERSULIS  
 HARRIS LEONARD KIMBALL  
 ROBERT ASTOR KING  
 ROBERT ANDREW KINGERY  
 JOHN ANTHONY KITTERMMASTER  
 WILLIAM EDWARD KLEIN  
 ROBERT EUGENE KOFOED  
 THEODORE CONSTANTINE KONTOS  
 ROMUALD KOWALEWSKI  
 JOHN FREDERICK KRAEGER  
 JOHN DONALD KREBS  
 HOWARD KROM  
 OSCAR ARTHUR KRUEGER  
 RAYMOND EDWARD KRUEGER  
 RICHARD LEE KRUSE  
 JOSEPH ADRIAN LABRECQUE  
 GLENN ROBERT LANDEN  
 ANDRE ERNEST LaPOINTE  
 LEONARD M. LAPPE  
 ROBERT DALE LAW  
 JOHN ALLEN LEEMON  
 KEITH THOMAS LERCHER  
 MELVIN BENSON LEVITT  
 JAMES BLAKELY LOHR  
 MICHAEL EDWARD LYNCH  
 RICHARD RYAN LYTLE  
 KENNETH BALLANTINE MAACK  
 GORDON LOW MACADAM  
 AXEL HARRY MAGNUSON  
 RICHARD KNUDT MALM  
 HILLARD HARRY MANDELL  
 RICHARD PAUL MANTHEY  
 LELAND DEXTER MAPES  
 JAMES LESLIE MARMION  
 JOSEPH IGNATIUS MARTIN, JR.  
 EARL EDWIN MATTHEWS  
 JAMES LeROY MAURER  
 MERRILL JAMES McALLISTER  
 HOWARD JENNINGS MCBRIDE  
 FRED JOHN MCCARTHY  
 JAMES CALVIN MCCRAY  
 RICHARD NEIL McKELVEY  
 WILLIAM LEVI MCKENZIE

CHARLES JAMES McLEAN  
 JACK WALKER McMORROW  
 ROLLAND DeLANE McMULLEN, with

Honors

ROBERT DOUGLAS McNEIL  
 WILLIAM ALBERT MEADER  
 EDWIN DALE MELLON  
 FREDERICK JOB MERSBACH  
 MELVIN LEONARD MEZOFF  
 JOSEPH FRANK MICOLI  
 JOHN ALEXANDER MIHALKANIN  
 JOHN CLARK MILLER  
 CHARLES HOLLAND MILLSPAUGH  
 ROBERT JUSTIN MILUM  
 JAMES ORAN MITCHELL  
 WILLIAM CHARLES MOORE  
 WILLIAM LOW MOORE  
 THOMAS FRANCIS MULLAHY  
 KARL FRANKLIN MUNSON  
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 GERALD LEON MURRAY  
 MARSHALL CARL MUSSAY  
 RICHARD DWIGHT MYLIUS  
 WILLARD ELDRIDGE NAGLE  
 RAE ELKIN NEHLS, JR.  
 GEORGE EDWIN NELSON  
 ROBERT JAMES NEWELL  
 EDWARD MARVIN NEWMAN  
 JOSEPH PETER NICOLosi  
 ROBERT WILLIAM NISSEN  
 JUDSON WILFRED NOBLE  
 ROBERT HOWARD NORWOOD  
 ROBERT JAMES NOVAK  
 CHARLES JAMES O'CONNOR  
 HARVEY RICHARD O'CONNOR  
 JOHN WESTER OLANDER  
 KENNETH ALLAN OLSON  
 BURDETTE GLENN OLTHOFF  
 JOHN COLLINS O'NEAL  
 CHARLES ALBERT PALIS  
 JAMES JOSEPH PARDIECK  
 PAUL LAWRENCE PATTERSON  
 BRUCE VOLNEY PENWELL  
 THEODORE JOSEPH PETERSON  
 WAYNE RICHARD PHILLIPS  
 STANLEY MELBOURNE PIERCE  
 EDWARD FRANCIS PINGER  
 STANLEY PLACEK  
 JACK WILLIAM POLIVKA  
 PETER RAYMOND PONTON  
 JAMES ROGER POWERS  
 JOHN TARBEll PRATT  
 KENNETH GORDON PRIBBLE  
 BENJAMIN MONTAGUE MAY PRICE, JR.  
 THOMAS SPENCER PRICE  
 ROBERT BENTLEY QUICK  
 ROBERT LAWRENCE QUICK  
 RICHARD AUGUST RADTKE  
 RAYMOND WALLACE RALL, with Honors  
 JOHN EDWARD REGAN  
 ROBERT DEAN REYNOLDS  
 DONALD HERMAN RICE

JOHN LEE RIFE

JAMES MORTON ROACH, JR.  
 JAMES ARCHIE ROBISON  
 SEYMOUR HAROLD ROGOFF  
 HENRY ANTHONY ROLEWICZ, with  
 High Honors in Chemistry  
 LINDO DAN ROMANI  
 JAN BERTOROTTA ROOSA  
 JACK WILLIAM ROOT  
 CLIFFORD MYRON ROSEN  
 THOMAS LOUIS ROSENBERG  
 ROY CHARLES ROSS  
 LLOYD LeROY RODESILL  
 ORLIE JOSEPH RUE  
 RICHARD WILLIAMS RUEHE  
 WALTER WILLIAM RUST  
 EDGERTON RAMSAY SAATHOFF  
 DON CARLOS SALISBURY  
 HAROLD LEE SALTSGAVER  
 BERNARD FRANK SCHLESINGER  
 JACK EUGENE SCHULTZ  
 RALPH EMIL SCHUMACHER  
 ARTHUR CLIFTON SCHUTT  
 ARTHUR EDWARD SCHWEIK  
 MICHAEL JOHN SCHWETZ, with High  
 Honors in Psychology

ERNEST RICHARD SEELING  
 DANIEL JOSEPH SHEEHAN, JR.  
 WILLIAM WAYNE SHEPARD  
 THOMAS WILLIAM SHERARD  
 MELVIN DEVERE SHOLL  
 WILLIAM JAMES SHRAMEK  
 DONALD ALLEN SILVERSTONE  
 ARTHUR DONALDSON SIM  
 LESTER SIMON, JR.  
 HERBERT SLUTSKY  
 DON MERRILL SMART, with Honors  
 WARD COLLEY SMIDL  
 DURWARD BOND SMITH  
 HARRY CURTIS SMITH, JR.  
 JULIANNE MARIE SMOKOWSKI  
 ROBERT DEAN SNYDER  
 RICHARD CHARLES SPRING  
 HAROLD IRVING STEIN  
 FRANCIS LEWIS STEPHENS  
 ROBERT WIRTH STEPHENSON  
 JOHN NORMAN STERNER, with Honors  
 ELTON STANFORD STEVENS  
 JOHN LANDEE STEVENSON  
 JOHN NORMAN STEVENSON  
 NOBLE HENRY STIBOLT  
 ELBERT LEE STOCKS  
 RAYMOND HOWARD STONE  
 ROBERT LeROY STONE  
 JOHN JAMES STROUD  
 ROBERT WOOD SUBBRINK  
 ROBERT ROLLAND SURYK  
 IRWIN LAWRENCE SVOBODA  
 MYRON SIDNEY SWARTZ  
 BARTON LEE SWINDALL  
 LUCILLE WILSON TALIAFERRO  
 NATHAN TARNOFF  
 HERMAN ALBERT TEBRUGGE



RUDOLPH WILLIAM THOMAS  
 STANLEY JERRY THOMAS  
 WILLIAM ALFRED THOMPSON, Jr., with  
 Honors  
 RAYMOND TIMPONE  
 JOSEPH ALLEN TROUTT  
 NORMAN ERIC TRUITT, JR.  
 JOHN WILLIAM TUCKER  
 JAMES BYRON TUTTLE  
 WARREN THEODORE VANNICE  
 RICHARD JOHN VIBELIUS  
 RICHARD HAROLD VOSHALL  
 ARTHUR FAULKNER VYSE, III  
 ERNEST HOWARD WALKER  
 ORVALL J. WALL  
 JOSEPH KEITH WALSH  
 WILLIAM MICHAEL WALSH  
 ROBERT JOHN WARGER  
 GEORGE CHRISTIAN WARNEKE  
 ROBERT ALDEN WATSON  
 TEE VINCENT WATSON

JAMES FRANCIS WEAVER  
 HENRY JOSEPH WEGER  
 EARL JAMES WEINCEK  
 DONALD CASSELS WEISS  
 JACK ROBERT WESTBERG  
 ROBERT HYMAN WEXLER  
 JOSEPHINE LILY WILCOCK  
 CHARLES EDWARD WILLHITE  
 MERLE EDGAR WILLIAMS  
 ROBERT LEE WILLIAMS  
 GEORGE PHILLIP WILSON  
 WILLIAM JAMES WINCHESTER  
 LEROY EUGENE WISNIEWSKI  
 JACK EMIL WOLLER  
 WAVERLY ROY WOOD  
 DONALD DEAN WOODWARD  
 STANFORD EUGENE WORKMAN  
 THOMAS JOHN YANKAITIS  
 WILLIAM ROBERT YOUNGMAN  
 HOWARD HO CHOON YUH  
 LEON NORMAN ZOGLIN

#### COLLEGE OF VETERINARY MEDICINE

##### Degree of Bachelor of Science

###### *In Veterinary Medicine*

JOHN ROBERT BAKER  
 ROBERT GERALD BRAMEL  
 ROBERT FRANK BUTZOW  
 KENNETH DWIGHT CAMPBELL, with  
 Honors  
 JOHN MCCLURE CARROLL  
 GEORGE FRED FEHRENBACHER  
 RICHARD BERNARD FINK  
 WILLIAM PAUL HENDREN  
 WILLIAM GEORGE HUBER  
 CECIL RICHARD JOHNSON, with Honors  
 BOYD BERTON KNUPP  
 ROBERT ALLEN LATHAM, JR.

CHARLES EDGAR LINDLEY  
 HARRY ADOLPH LOEFFLER  
 CLIFFORD EDWIN LOOMIS  
 EARL EDWIN LUTZ, with Honors  
 EDWARD CLARENCE MURPHY  
 WILLIAM MORGAN NEWTON  
 RAYMOND EDGAR OLSEN  
 HAROLD IRVING PATTERSON  
 GEORGE CLIFFORD SCOTT  
 WILLIAM KENNETH SPECHT  
 OLIVER WILBERT STOWE  
 ROBERT FREDERIC WHALEN

##### *Degrees Conferred in Chicago*

#### COLLEGE OF DENTISTRY

##### Degree of Bachelor of Science in Dentistry

*(Conferred August 18, 1949)*

EDWIN CARLETON BROWN, A.B., North Central College, 1946  
 ROBERT JOSEPH STENGEL

*(Conferred December 17, 1949)*

HOWARD APPLE  
 SANFORD ALVIN BEAR  
 CHARLES WILLIAM CANTRELL  
 VERNON RUSSELL DAMER  
 HARLAN EUGENE FEICHT  
 WILLIAM FREEMAN  
 SAMUEL FRIEDMAN, B.S., Central  
 Y.M.C.A. College, 1943  
 HERBERT JACK GORDON

SUSUMU HASEGAWA  
 MAURICE HAUPTMAN  
 HOMER LAWRENCE HEDMARK  
 MILTON JUNIOR KNAPP  
 PHILIP JOHN LONG  
 PHILIP SOLOMON MERZER, A.B., New  
 York University, 1943  
 LEONARD JOSEPH RICH  
 WALTER HERMAN SCHNEIDER

**Degree of Doctor of Dental Surgery***(Conferred June 16, 1950)*

- JAMES PERSHING ALLEN, B.S., University of Grand Rapids, 1940  
 JAMES WILLIAM ANGEL, B.S., 1948  
 NORMAN RUSSELL ASCHERMAN, B.S., 1948  
 ROBERT CORWIN BAXTER  
 EUGENE SCHLEGEL BLAIR  
 MILTON BLOOM, B.S., Syracuse University, 1938; with Honors  
 OSCAR BREYER  
 ERNEST PAUL BRINKMANN  
 EDWIN CARLETON BROWN, JR., A.B., North Central College, 1946; B.S., 1949  
 ROBERT PAUL CHAPPELL, B.S., 1948  
 ALBERT COHEN, B.S., 1948  
 RALPH DON COVEN, B.S., 1949  
 JOHN WILLIAM DAVIS  
 FRANCIS ALOYSIUS DEMIRZA  
 FREDERICK WRIGHT FISCHER  
 SAMUEL FRIEDMAN, B.S., Central YMCA College, 1943; B.S., 1949  
 JIMMIE EUGENE FULLER, B.S., 1948  
 EDWARD CHANDLER GATES, B.Ed., Eastern Illinois State College, 1938; B.S., 1948  
 HOWARD R. GREENBERG, B.S., B.S., 1943, 1948  
 ROY RAYMOND HURST, B.S., 1948  
 VICTOR SUMIO IZUI, B.S., 1948  
 HANS GEORG KANT, B.S., 1948  
 KAY K. KASHIWABARA, B.S., 1948  
 RICHARD I. KAUFMAN  
 CHARLES WILLIAM KREML, B.S., 1948  
 PHILIP HENRY LAURENCE  
 NORMAN DANIEL LIEB  
 ROBERT HENRY LUNDGREN  
 HOWARD WILLIAM MARLEY, B.S., 1948  
 SHIG JULIUS MASUOKA, B.S., University of Southern California, 1941  
 JOHN ROBERT McDONALD  
 PHILIP SOLOMON MERZER, A.B., New York University, 1943; B.S., 1949  
 WALTER CHARLES MICHEL  
 LEONARD BUD MIDDLEMAN, B.S., 1948  
 KENNETH HAWTHORNE MOORE, B.S., Lincoln University, 1938; M.S., 1940  
 EARL EVERETTE MORRIS, B.S., Agricultural, Mechanical and Normal College, 1939  
 RALPH L. ODES, B.S., 1948  
 MELVIN HAROLD POLLACK  
 EDWARD S. PROROK  
 HOWARD WILLIAM REDMANN, A.B., DePauw University, 1943; B.S., 1948  
 LEONARD JOSEPH RICH, B.S., 1949  
 WILLIAM JOHNSON ROGERS, B.S., 1942  
 ALEXANDER JACOB SABO  
 LEON MARVIN SALTZMAN  
 WILLIAM SUTHERLAND SHERWOOD  
 SEYMOUR JEROME SOLOMON, B.S., 1941  
 GORO JACK SUGA, B.S., 1947  
 ROBERT HARTWIG SUNDIN  
 HUGH LEE THOMPSON, B.S., 1948  
 WILLIAM CLARENCE TINERVIN  
 JOSEPH TINKELMAN  
 RICHARD LEO VERBIC  
 ELIZABETH JUNE ZWEMER, B.S., 1948  
 THOMAS JOHN ZWEMER

**COLLEGE OF MEDICINE****Degree of Bachelor of Science in Medicine***(Conferred August 18, 1949)*

- AARON JOHN FINK, B.S., University of Chicago, 1947

*(Conferred December 17, 1949)*

- MORTON JERSEY ALEXANDER, M.D., 1947  
 DEAN ROBERT BORDEAUX, A.B., Bradley University, 1948  
 CARL EDWARD BURPO, B.S., Southern Illinois University, 1947  
 LOUIS ERNEST COWSERT, B.S., Southern Illinois University, 1947  
 JAMES WALTER DAVIS, B.S., Indiana State Teachers College, 1943  
 JUNE ELIZABETH DEWOLF, A.B., North Central College, 1947  
 JULIAN WALTER FALECKI  
 LEROY PAUL WALTER FROETSCHER, B.S., Elmhurst College, 1947  
 MILDRED JULINA GYLFE, A.B., Cornell College, 1944  
 ROBERT LOUIS HOYT  
 HYMAN MAYER JACOBSON, B.S., Central Y.M.C.A. College, 1938  
 WILLIAM ERNEST LACY, JR., A.B., Talladega College, 1941  
 EVELYN JUNE LORENZEN, B.S., University of Oklahoma, 1942; Ph.D., Cornell University, 1946  
 WILLIAM CHARLES MASLOW, B.S., 1947  
 ROBERT EDWARD McELROY  
 DELBURT GRANT HAROLD NELSON, B.S., Wheaton College, 1936  
 RICHARD WARREN NIXON, B.S., 1943  
 ARLENE NYSTROM  
 RICHARD DIGNAN OSLAND, B.S., Southern Illinois University, 1947

JOHN WILLIAMS SCHALLER, B.S., 1947  
 DEAN BLAIR SMITH, A.B., Wheaton  
 College, 1942  
 BURTON McROBERT SUTHERLAND, A.B.,  
 Wheaton College, 1947

HENRY HUNTINGTON SWAIN, A.B., 1943  
 WILLISON I. TAYLOR, B.S., 1947  
 PAUL GEORGE THEOBALD  
 DAVID CLARENCE VORIS, B.S., 1947

### Degree of Bachelor of Science in Occupational Therapy

*(Conferred December 17, 1949)*

PHOEBE FRUDDEN

*(Conferred June 16, 1950)*

MERLE LEE CHAMPNEY  
 DOROTHY DENNIS  
 PHYLLIS MARY DOYLE  
 ELAINE CONSTANCE FELLIOS  
 ARLINE HOPE GOLDMAN  
 ROSE-MARIE HOLSTON  
 PATRICIA LOU HOULIHAN

ELEANORE ANN HURTA  
 ANN BETH KEHM  
 EDITH MICHIKO MAEDA  
 HELEN STELLA POLENSKE  
 PATRICIA JOAN TOZIER  
 K. ALTHEA VOLLAND WALTON

### Degree of Doctor of Medicine

*(Conferred December 17, 1949)*

THEODORE ROOSEVELT SHERROD, A.B., Talladega College, 1938; M.S., University of Chicago, 1941; Ph.D., 1945

*(Conferred June 16, 1950)*

ROBERT HENRY ALLISON, B.S., 1948;  
 with Honors  
 RAYMOND LAVERNE ANNIS, B.S., 1948  
 STANFORD WARREN ASCHERMAN, A.B.,  
 Stanford University, 1947; B.S.,  
 1948  
 ROBERT JAY BAKER, A.B., Miami Uni-  
 versity, 1947; B.S., 1948; with  
 Honors  
 JACK RICHTER BALDWIN, B.S., Tufts  
 College, 1946  
 JOHN MAURICE BERRY  
 ARTHUR ALLEN BILLINGS, B.S., 1948;  
 with Honors  
 ROBERT OLIVER BJURSTROM, A.B.,  
 Miami University, 1947; B.S., 1948  
 JOSEPH CHARLES BRETTNER, Jr., B.S.,  
 1948  
 CHARLES IRVING BRINK, B.S., 1948  
 MARIA PETRO BROLLEY, B.E., Chicago  
 Teachers College, 1943; M.S., Uni-  
 versity of Chicago, 1946  
 ISRAEL MEYER CARSON, B.S., North-  
 western University, 1947; B.S.,  
 1948  
 HENRY MINTOURE CASTELLO, B.S., 1948  
 JAMES BENJAMIN CAULFIELD, A.B.,  
 Miami University, 1947; B.S., 1948  
 SIDNEY COLLENDER, B.S., University of  
 Chicago, 1938  
 JAMES RICHARD COOPER, B.S., 1948  
 NOBLE OTTO CORRELL, Jr., B.S., Indiana  
 State Teachers College, 1942; B.S.,  
 1948  
 NADENE COYNE, B.S., 1948  
 HARRY LOUIS DAVIS, B.Ed., B.S.,  
 Southern Illinois University,  
 1943, 1946

ORVILLE LLOYD DAWSON, B.S., Univer-  
 sity of Kansas, 1937; B.S., 1948  
 WILLIAM EMIL DEUTSCH, B.S., 1948;  
 with Honors  
 DOROTHY RUTH DIETER, B.S., Aurora  
 College, 1942  
 RUTH EVELYN DIETZ, B.S., 1942, 1948  
 ROBERT PAUL DORIN, B.S., University  
 of Chicago, 1941; M.S., 1942  
 BERNARD DAVE EDDIN, B.S., 1948  
 RICHARD KARL EIRICH, A.B., Miami  
 University, 1947; B.S., 1948  
 JESSE EISEN, B.S., 1948; with Honors  
 EFFIE O'NEAL ELLIS, A.B., Spelman  
 College, 1933; M.S., Atlanta Uni-  
 versity, 1935; with Honors  
 CLOYD LEE EZELL, A.B., University of  
 Alabama, 1946  
 ROBERT MCCLURE FERGUSON, B.S., 1948  
 QUENTIN GROVE FISK, B.S., South  
 Dakota State College, 1942; B.S.,  
 University of South Dakota, 1948  
 BARBARA JOAN FLUSCH, B.S., 1948  
 EUGENE ROY FOLK, B.S., 1948  
 LOIS EVELYN FRIEDL, B.E., Chicago  
 Teachers College, 1945; B.S., 1948;  
 with Honors  
 CARL MILTON FRIEDMAN, A.B., Univer-  
 sity of Iowa, 1937; B.S., 1948  
 SAMUEL CALVIN GALLOWAY, A.B., Uni-  
 versity of Mississippi, 1947  
 JULIUS GLICK, B.S., 1948; with Honors  
 CLARK WARREN GREEN  
 THEODORE GREVAS, B.S., 1948  
 MILDRED JULINA GYLFE, A.B., Cornell  
 College, 1944; B.S., 1949; with  
 Honors

- ALBERT SIDNEY HAGAN, JR., B.S., University of South Dakota, 1948  
 FRANK HALDANE HAIGLER, JR., B.S., Northwestern University, 1942; B.S., 1948  
 ADAM ANTHONY HAJDUK, B.S., 1949  
 HOMER HARVEY HANSON, B.S., Southern Illinois University, 1946; B.S., 1949  
 WILLIAM HUNTER HARRIDGE, B.S., Northwestern University, 1946; B.S., 1948  
 HARRY GLEN HARSHBARGER, B.S., B.S., M.S., 1941, 1948, 1948  
 ELIZABETH SELEY HEMMENS, B.S., Ph.D., University of Chicago, 1937, 1941; with Honors  
 VIRGINIA KONZ HENDRICKS, A.B., Olivet Nazarene College, 1946; B.S., 1948  
 CLYDE LAFAYETTE HENRY, B.S., Philander Smith College, 1941; B.S., 1948  
 LAWRENCE LEONARD HIRSCH, B.S., B.S., 1943, 1948  
 MARVIN MUDD HIRSCH, B.S., Lewis Institute, 1940; M.S., 1942  
 JOHN MATHIAS JACOBOWITZ, B.S., B.S., 1940, 1948  
 BURTON MARVIN JACOBSON  
 FRANK JOSEPH JIRKA, JR., A.B., Knox College, 1944; B.S., 1948  
 MINAS JOANNIDES, JR., B.S., Northwestern University, 1943; B.S., 1948  
 ELLIS DONALD JOHNSON, B.S., St. Augustine College, 1940; B.S., 1948  
 ROBERT PETER JOHNSON, JR., B.S., 1943  
 JAMES PAUL JOHNSTON, A.B., Miami University, 1947; B.S., 1948  
 RICHARD THOMAS JOHNSTON, B.S., 1942  
 HAROLD KADE, B.S., 1948  
 HAROLD ALEXANDER KAMINETZKY, B.S., 1948  
 LESLIE SHELDON KAPLAN, B.S., Lewis Institute, 1941  
 JOHN EIKICHI KASHIWABARA, B.S., 1948  
 AVNER KAUFFMAN, B.S., 1948  
 ROBERT GENE KILLOUGH, B.S., 1948  
 GILBERT PERCY KIPNIS, B.S., 1948; with Honors  
 JOHN JOSEPH KLABACHA, B.S., 1948  
 ROBERT ELIJAH KNIGHT, A.B., Illinois College, 1947; B.S., 1948  
 DOLORES EDDLEMAN KNOBLOCK, B.E., Chicago Teachers College, 1942; B.S., 1948  
 ROBERT MORTON KOHLENBRENER, B.S., 1947  
 WILLIAM ARNOLD KORNBUM, B.S., University of Notre Dame, 1948  
 RUTH LEONA KRAMER, A.B., 1941  
 HOWARD LYNN KUHLE, B.S., B.S., 1945, 1949  
 KENJI KUSHINO, B.S., 1947  
 WILLIAM ERNEST LACY, JR., A.E., Talladega College, 1941; B.S., 1949  
 JAMES HOWARD LAMBERT, JR., B.S., B.S., 1947, 1949  
 JEROME J. LANDY, B.S., 1948  
 DANIEL ABRAHAM LANG, B.S., 1947  
 ROSEMARY RITA LARKIN, B.S., 1948  
 KENNETH WILLIAM LARUE, B.S., 1948  
 ALVIN JEROME LEEB, B.S., B.S., 1943, 1949  
 CLARA JULIA LEINBERGER, B.S., Elmhurst College, 1947; B.S., 1948  
 MARVIN KENNETH LEVIN, B.S., 1948  
 THEODORE THOMAS LEWIS  
 CHARLES ALLEN LINKE, B.S., 1948; with Honors  
 JOHN LOUIS, B.S., 1948  
 ANTHONY JAMES LUND, A.B., B.S., University of North Dakota, 1946, 1948  
 LOUIS G. MANN, B.S., University of Alabama, 1942; B.S., 1948  
 JOHN MARVIN MARSHALL, JR., A.B., Rice Institute, 1941; M.S., 1948; with Honors  
 GEORGE BURNIE MARTIN, JR.  
 FRANCIS ANTHONY MATYCHOWIAK, A.B., Miami University, 1947; B.S., 1948  
 JOHN EDGAR MCLENNON, B.S., 1948  
 WARREN GORDON MCPHERSON, JR., A.B., Miami University, 1947; B.S., 1948  
 ARTHUR FRANCIS MEAD, B.S., 1948  
 JACK LEON MELAMED, B.S., 1948  
 VIRGINIA LOUISE MORELAND, A.B., MacMurray College, 1942; B.S., 1949  
 WILLIAM HARRISON MYERS, B.S., Northwestern University, 1946  
 IVAN CHARLES NEUBAUER, A.B., B.S., 1943, 1949  
 ELVINA AGNES NEUFELD, B.S., Bluffton College, 1947; B.S., 1948; with Honors  
 ROSEMARY ELINOR NIEMANN, A.B., MacMurray College, 1946; B.S., 1948  
 RICHARD WARREN NIXON, B.S., B.S., 1943, 1949  
 CLARICE ANNABELLE NORDLUM, B.S., University of Minnesota, 1942; B.S., University of South Dakota, 1948; with High Honors  
 VALDO PETER OLEARI, B.S., Wheaton College, 1943; B.S., 1949  
 EDWIN ARTHUR OSTER, A.B., B.S., University of North Dakota, 1947, 1948

- RICHARD VINCENT OWEN, A.B.,  
Monmouth College, 1946  
BERNARD SUTHERLAND PATRICK, B.S.,  
University of Mississippi, 1948  
HARRY ALEX PAUL, B.S., 1948  
JAMES ARTHUR PAULSEN, B.S., North-  
ern Illinois State Teachers College,  
1944; B.S., 1948  
HUBERT SAMUEL PEARLMAN, B.S., 1948  
MARTIN PEPPER, B.S., 1947; with  
Honors  
THOMAS RUPERT PFISTERER, JR., A.B.,  
Miami University, 1947; B.S.,  
1948; with Honors  
LEONARD NICHOLAS PICCIONE, A.B.,  
Miami University, 1947; B.S., 1948  
SHOLEM POSTEL, B.S., University of  
Chicago, 1945; B.S., 1948; with  
High Honors  
NORMAN EMORY POWERS, B.S., Bradley  
Polytechnic Institute, 1946; B.S.,  
1948  
MATTHEW BERNARD PRICE, B.S., 1948  
ROBERT ALLEN RABENS, B.S., 1948;  
with Honors  
DAVID IRWIN RABINOV, B.S., 1947;  
with High Honors  
LEONARD RACK, Ph.B., University of  
Chicago, 1945; B.S., 1947  
CHARLES ESTEL RAMSEY, B.S., 1949  
LESLIE GEORGE REED, B.Ed., Southern  
Illinois University, 1942  
JOHN RICHARD REEDER, B.S., B.S., 1946,  
1948  
WALDA STAHLER REEDER, B.S., 1948  
FRANCIS HAROLD RICHARDSON, B.Ed.,  
Whitewater State Teachers College,  
1938; M.Ph., University of Wis-  
consin, 1941  
THOMAS WALTER SAMUELS, JR., B.S.,  
1948  
GEORGE SAXL  
KURT OTTO SCHLESINGER, B.S., B.S.,  
1941, 1948  
LIONEL SCHOUR, B.S., M.S., 1947, 1949  
MARIANNE SCHOUR, Ph.B., University  
of Chicago, 1945; B.S., 1948  
HAROLD SCHWARTZ, B.S., 1948  
JOHN WILLIAM SELLETT, B.Ed., Illinois  
State Normal University, 1935;  
M.S., 1935  
WELDON GOODWINE SHEETS, B.S., 1948  
PAUL WINSTON SHEFFLER, A.B., B.S.,  
1943, 1949  
NORMAN HOWARD SHERMAN, B.S., 1948  
RICHARD GLENN SHIFRIN, B.S., 1948  
JEROME MARTIN SILVER, B.S., B.S.,  
1946, 1948; with Honors  
BURT SIOKOS, B.S., 1948  
LEONARD RICHARD SMITH, B.S., 1948  
LORAN EUGENE SMITH, B.Ed., Southern  
Illinois University, 1942; B.S., 1948  
CHARLES OTIS STANLEY, B.S., 1948  
RICHARD PERRIE STILL, A.B., B.S., 1943,  
1948  
ROBERT GILBERT STONE, B.S., The  
Citadel, 1942  
SHERMAN HERMANN STRAUSS, B.S., Illi-  
nois Institute of Technology, 1945;  
B.S., 1948; with Honors  
JAMES LAWRENCE STRUTHERS, B.S.,  
Monmouth College, 1946; B.S.,  
1949; with Honors  
HERMAN GETZIE STURMAN, B.S., 1948  
JOHN BERNARD SUMMERS, B.S., 1948;  
with Honors  
ALVIN SUSLICK, B.S., 1948; with  
Honors  
NANCY CLAAE TREADWELL, A.B., Smith  
College, 1944; B.S., 1948; with  
Honors  
GEORGE JOSEPH TURKE, JR., B.S., 1948  
HOWARD GUNTHER VAN BUREN, B.S.,  
Wheaton College, 1941  
HAROLD SYLVESTER WANDLING, B.S.,  
M.S., B.S., 1943, 1944, 1948  
GEORGE DORRITT WHAM, B.S., 1948  
JERROLD WIDRAN, A.B., B.S., 1948  
RALPH HENRY WIEBER, B.S., 1942  
JANET McROBERTS WOLTER, A.B.,  
Cornell College, 1946  
EARL CHANCE WOODALL, B.S., B.S.,  
1946, 1948  
FRANK WRIGHT, JR., B.S., 1948  
LLOYD THOMAS WRIGHT, B.S., 1948

#### SCHOOL OF NURSING

##### Diploma in Nurse Training

(Conferred June 16, 1950)

- |                           |                         |
|---------------------------|-------------------------|
| NADINE RUTH BREITBARTH    | VIVIAN LOIS HOLLY       |
| GERTRUDE GENEVA BROWN     | GEORGIANNA JOAN LUKAS   |
| MARGARET ANN COLLINS      | MARIETTA KATHRYN MILLER |
| IRIS JOANNE DAHLSTROM     | ANNE BENETTA PHILLIPS   |
| FRANCES ELEANOR GILLESPIE | JOYCE MARIE PIERSMA     |
| FRANCES LEATRICE GOFF     | JUNE ROSS               |
| RUTH JEANETTE GORDON      | DOLORES EUGENIA UPHUES  |
| RUTH LOUISE GRUENSFELDER  | PATRIA DIANE VANOV      |
| DORIS IRENE HELFENBERGER  | MABEL TAKAKO YOSHIDA    |

**Degree of Bachelor of Science in Nursing***(Conferred June 16, 1950)*

PATRICIA ANN TAIF

**COLLEGE OF PHARMACY****Degree of Bachelor of Science in Pharmacy***(Conferred August 18, 1949)*

MARY ANN MATESI BLAHA  
 ROBERT JAMES BREEN  
 JERRY JASTROMB  
 DOH SHIK KIM

CARL GEORGE LINHART  
 CHARLES EUNHO PANG  
 HENRY THOMAS SHARP

*(Conferred June 16, 1950)*

HERBERT H. ALPERT  
 ELIZABETH MARIE BARWIG, with  
     Honors  
 EDWARD GOLL BEVERLY  
 RAYMOND ANTHONY BIEDERMAN  
 JEAN BOSTRUM  
 KENNETH ALFRED BOWMAN  
 HERBERT EDWARD BRAUN  
 PAUL FREDERICK BRINKMANN  
 BERTRAM ROBERT BROWN  
 DARWIN EVERETT BROWNE  
 JAMES DALE BROWNING  
 ALFRED FRANK BRZOWSKI  
 WILLIAM ROY BUCK  
 MILTON GEORGE CHRISTY  
 NORMAN FRANK CIPOLLE  
 JACK ELLSWORTH COOK  
 LOUIS CUBURNEK  
 FRANK NATHANIEL DEFRANK  
 STELLA S. DEMETT  
 WILLIAM JOSEPH DROSTE  
 TOMMY MELVIN DUGGER  
 GOODWIN WENTWORTH DUNCAN, JR.  
 ROBERT DONALD EKLIN  
 CLARENCE EVANS  
 FRED FLEISCHER  
 CHESTER HOWARD GERBER  
 HENRY EDISON GILBERT  
 ROBERT ABRAHAM GLASSNER  
 KEITH GOUWENS  
 CLURE MCHENRY GRASSEL  
 CHARLES LAWRENCE GRIFFIN  
 ROBERT ELMER HAUERT  
 ROBERT CHARLES HAVRANEK  
 EDWARD BERRY HEIMBECK  
 ROBERT LEE HIGGINS  
 DAVID HOLLAND, with Honors  
 HARRY IGNATIUS JABLONSKI  
 FRED MINORU KATSUYAMA  
 RAY HOWARD KING  
 SISTER M. HORTENSIA KIZIOR

FLORENCE CHRISTINE KLEE  
 KENNETH RAYBORNE LOHR  
 JAMES ROBERT MALLEN  
 PAUL MARTIN, B.S., Illinois Wesleyan  
     University, 1947  
 DONALD RICHARD METZGER  
 MARY MARGARET MIRANTI  
 JACK CLIFTON MITCHELL, with Honors  
 TED ITSUSO MIYATA  
 SAMUEL JOSEPH MLADINER  
 WINSTON OSCAR MOORE  
 GEORGE ANTHONY MORAVA, JR.  
 CLARENCE CLARK MORELAND, JR.  
 WARREN PHILLIP MOSCINSKI  
 WILLIAM JAMES MRAZEK  
 LOUIS BERNARD NEIRA  
 JOHN HERBERT NEUMANN  
 PAUL EDWARD NEUMANN  
 ROBERT ANTHONY PANKAU  
 WALLACE AARON REITMAN  
 BERNARD SADKIN  
 ROBERT HARRY SCHMIDT  
 RICHARD ANTHONY SCHRANZ  
 ALBERT HAROLD SCHULMAN  
 FLORIAN JOSEPH SCHWARZ  
 HARVEY RANDALL SPRIGGS, A.B., B.S.,  
     Southeastern Missouri State  
     Teachers College, 1945  
 ROBERT WILLIAM STRAUSS  
 CARL SVETANOFF  
 EDWARD JOHN SWININOGA  
 CHARLES JOHN THIEL  
 SHERWOOD THOMAS  
 BETTY JANE THOMPSON  
 CLEMENT FRANCIS VRCHOTA  
 ROBERT MYERS WATT  
 ROBERT A. WELLMAN  
 EUGENE EDWARD WITT  
 AUGUST CHARLES YOS  
 WAYNE ALLEN ZIEGLER

**GRADUATE COLLEGE****Degree of Doctor of Philosophy***(Conferred June 16, 1950)**In Bacteriology*

EDWARD NIMROD PALMER GILMAN, A.B., State University of Iowa, 1932; M.S.,  
 Iowa State College, 1937

*In Physiology (Clinical Science)*

- ROBERT WEBSTER DENTON, B.S., B.M., M.S., M.D., Northwestern University, 1943, 1946, 1947, 1947  
RALPH ROBERT SONNENSCHIN, B.S., B.M., M.S., M.D., Northwestern University, 1943, 1946, 1946, 1947  
CHIH CHUN WANG, B.S., National Tsing Hua University (China), 1936; M.S., 1948

*In Surgery*

- TILDEN CYRIL EVERSON, A.B., B.M., M.D., University of Minnesota, 1940, 1943, 1943; M.S., 1947

**Degree of Master of Science***(Conferred June 16, 1950)**In Bacteriology*

- HSIOH-TEH CHANG, M.D., Peiping Union Medical College, 1941  
WILLIAM JAMES DOUGHERTY, B.S., Loyola University, 1949  
MARVIN LEON LEVINSON, B.S., Northwestern University, 1948  
JOSEPH PETER USCAVAGE, B.S., Pennsylvania State College, 1949

*In Biological Chemistry*

- GORDON NIKIFORUK, D.D.S., University of Toronto, 1947  
MAYNARD EDWARD PULLMAN, B.S., 1948  
IRVING WARNER, B.S., 1948

*In Dental Histology*

- LEO MORRIS SREEBNY, A.B., D.D.S., 1942, 1945

*In Orthodontia*

- CHARLES EVERETT CRAIG, D.D.S., University of Toronto, 1943  
ROBERT MURRAY RICKETTS, D.D.S., Indiana University, 1945  
NORMAN THOMAS SPECK, D.D.S., University of Texas, 1945

*In Pedodontics*

- RALPH BERNARD NEADERLAND, D.D.S., New York University, 1948  
BHIM SEN SAVARA, B.D.S., University of Punjab, 1946

*In Pharmacognosy*

- CONCEPCION BUZON SANTOS, B.S., University of Santo Tomas (Manila), 1939  
LEO JAMES SCHERMEISTER, B.S., 1947

*In Pharmacology*

- RALPH JERRY CAZORT, B.S., West Virginia State College, 1943; M.D., Meharry Medical College, 1947  
WILLIAM HENRY FUNDERBURK, B.S., University of Kentucky, 1939  
MILDRED JULINA GYLFE, A.B., Cornell College, 1944; B.S., 1949  
ANDREW TAKEO HASEGAWA, A.B., Baker University, 1948  
ROBERT MORTON KOHLENBRENER, B.S., 1947  
DANIEL ABRAHAM LANG, B.S., 1947  
ROBERT EUGENE LEE, B.S., 1948; B.S., University of Notre Dame, 1948  
JOHN LOUIS, B.S., 1948  
EDWARD WARREN PELIKAN, B.S., 1948

*In Pharmacy*

- WILLIAM PETER BLACKMORE, B.S., University of Saskatchewan, 1948

*In Physical Medicine*

- MOHAMED ABDUL HAFEEZ, B.M., B.S., University of Mysore (India), 1941

*In Physiology*

JOHN CHARLES KENNADY, A.B., State University of Iowa, 1948

JOSEPH MICHAEL KIELY, B.S., M.D., 1945, 1947

JEROME LEONARD LIPIN, B.S., 1949

*In Physiology (Clinical Science)*

FRED BERTHOLD BENJAMIN, D.M.D., Frederic William University, 1934

FRANCIS THOMAS FLOOD, M.D., Loyola University, 1947

ARCHER SAMUEL GORDON, A.B., North Central College, 1942; B.S., M.D., 1944, 1945

PYUNG KI MOON, M.D., Severance Union Medical College, 1942

*In Surgery*

NOBLE OTTO CORRELL, JR., B.S., Indiana State Teachers College, 1942; B.S., 1948

CLARENCE RAYMOND HEIDENREICH, A.B., M.D., University of Nebraska, 1947, 1948

PAUL HOWARD JORDAN, JR., B.S., M.D., University of Chicago, 1941, 1944

## REVISION OF CURRICULUM IN PHARMACY

The complete curriculum as revised is outlined below. In the outline, D, meaning didactic, indicates the number of class room hours each week, L the number of laboratory hours each week, and Cr the number of credit hours based on the quarter system. Such credit hours are equivalent to two thirds of semester hours.

Subject	First Year									
	First Quarter			Second Quarter			Third Quarter			Total
	D	L	Cr	D	L	Cr	D	L	Cr	Cr
English 120, 121, 122.....	3	0	3	3	0	3	3	0	3	9
Mathematics 140, 141, 142...	3	0	3	3	0	3	3	0	3	9
Chemistry 143, 144, 145.....	4	3	5	4	3	5	3	6	5	15
Sociology 123.....	3	0	3	..	..	..	..	..	..	3
Zoology 161, 162.....	..	..	..	2	4	4	3	6	5	9
Pharmacy 100, 101, 102.....	2	0	2	2	0	2	2	2	3	7
Hygiene 160.....	1	0	0	..	..	..	..	..	..	0
	16	3	16	14	7	17	14	14	19	52
Subject	Second Year									
	First Quarter			Second Quarter			Third Quarter			Total
	D	L	Cr	D	L	Cr	D	L	Cr	Cr
Chemistry 146 (Quantitative)	4	6	6	..	..	..	..	..	..	6
Physics 150, 151, 152.....	3	3	4	3	3	4	3	3	4	12
Pharmacy 103, 104, 105.....	2	4	4	2	4	4	2	4	4	12
Economics 124.....	3	0	3	..	..	..	..	..	..	3
Psychology 125.....	..	..	..	3	0	3	..	..	..	3
Chemistry (Organic) 147, 148	..	..	..	4	6	6	4	6	6	12
Zoology 163 (Histology).....	..	..	..	..	..	..	2	6	4	4
	12	13	17	12	13	17	11	19	18	52
Subject	Third Year									
	First Quarter			Second Quarter			Third Quarter			Total
	D	L	Cr	D	L	Cr	D	L	Cr	Cr
Pharmacognosy 290, 291, 292	2	6	4	2	6	4	2	6	4	12
Pharmacy 200, 201, 202.....	2	3	3	2	3	3	2	3	3	9
Chemistry (Physical) 240....	4	3	5	..	..	..	..	..	..	5
Chemistry (Biochemical) 241, 242.....	..	..	..	3	6	5	3	6	5	10
Bacteriology 280, 281.....	3	6	6	2	0	2	..	..	..	8
Physiology 260, 261.....	..	..	..	3	3	4	3	3	4	8
	11	18	18	12	18	18	10	18	16	52



Subject	Fourth Year										Total Cr
	First Quarter			Second Quarter			Third Quarter				
	D	L	Cr	D	L	Cr	D	L	Cr		
Pharmacology 262, 263, 264...	4	0	4	4	2	4	3	3	4	12	
Pharmacy 203, 204, 205.....	3	0	3	3	0	3	1	4	3	9	
Chemistry (Synthetic) 243...	4	0	4	..	..	..	..	..	..	4	
Chemistry (Drug Assay) 244 ..	..	..	..	2	6	4	..	..	..	4	
Jurisprudence 220.....	..	..	..	..	..	..	4	0	4	4	
	<u>11</u>	<u>0</u>	<u>11</u>	<u>9</u>	<u>8</u>	<u>11</u>	<u>8</u>	<u>7</u>	<u>11</u>	<u>33</u>	
Electives.....	5-7			5-7			5-7			15-21	
Basic Curriculum 189 hours											

*Elective Subjects Available to Senior Students*

First Quarter:	Didactic	Laboratory	Credit Hours
Accounting 220.....	2	3	3
Chemistry 346.....	2	9	5
Chemistry 245.....	4	0	4
Entomology 270.....	3	3	4
Second Quarter:			
Principles of Marketing 221.....	4	0	4
Manufacturing Processes 207.....	1	6	3
Physical Chemistry 340.....	4	3	5
Genetics 304.....	3	3	4
Plant Anatomy 301.....	2	9	5
Crystallography 310.....	2	3	3
Third Quarter:			
Pharmacy (Cosmetics) 208.....	1	6	3
Hospital Pharmacy 206.....	1	6	3
Analytical Chemistry 349.....	2	9	5
Toxicology 345.....	2	9	5
Plant Physiology 302.....	3	6	5
Chemical Microscopy 311.....	1	6	3
Instrumental Analysis 350.....	3	6	5

Pre-registration of student to complete the senior year will be held subsequent to the completion of the junior year. Students will be asked to indicate their desires and objectives in terms of: (a) graduate study and training; (b) study areas of particular interest.

The following elective programs are recommended:

A. For students not planning to undertake graduate study:

First Quarter	Second Quarter	Third Quarter
Accounting 220	Principles of Marketing 221	Pharmacy 208
Entomology 270	Manufacturing Processes 207	Hospital Pharmacy 206

B. For students anticipating graduate training in pharmacy:

Chemistry 245	Manufacturing Processes 207	Analytical Chemistry 349
Entomology 270	Physical Chemistry 340	Hospital Pharmacy 206

C. For students anticipating graduate training in chemistry:

Chemistry 346	Physical Chemistry 340	Analytical Chemistry 349
		Instrumental Analysis 350

D. For students anticipating graduate training in biological sciences:

Entomology 270	Genetics 304	Plant Physiology 302
Chemistry 245	Plant Anatomy 301	

## UNDERGRADUATE AND GRADUATE PROGRAMS IN FOOD TECHNOLOGY

### *Undergraduate Program*

This program leads to the degree of Bachelor of Science. It is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students will be urged to engage in at least one summer of employment in selected food processing industries and will be required to go on a senior inspection trip of three days' duration. (Estimated cost of inspection trip is \$35.)

General University Requirements:	Hours
D.G.S. 111 <sup>1</sup> —Verbal Communication .....	4
D.G.S. 112 <sup>1</sup> —Verbal Communication .....	4
Hygiene 102 or 105—Personal and Environmental Hygiene .....	2
Military (for men) .....	(4)
Physical Education .....	(4)
	10 (18)

#### Mathematics and Physical Sciences:

Chem. 101 or 102—General Chemistry .....	5 or 3
Chem. 105—Inorganic Chemistry and Qualitative Analysis .....	5
Chem. 122—Elementary Quantitative Analysis .....	5
Chem. 133—Elementary Organic Chemistry .....	5
Chem. 247 <sup>2</sup> —Elementary Physical Chemistry .....	4
Chem. 249 <sup>2</sup> —Chemistry of Colloids .....	3
Chem. 329—Food Analysis .....	5
Chem. 350—Biochemistry .....	5
Math. 117 <sup>3</sup> —Combined Freshman Mathematics .....	5
Math. 127 <sup>3</sup> —Combined Freshman Mathematics .....	4
Math. 137 <sup>3</sup> —Calculus .....	3
Math. 147 <sup>3</sup> —Calculus .....	3
Physics 103—General Physics .....	5
Physics 104—General Physics .....	5
	60 or 62

#### Biological Sciences:

	Hours
Bact. 104 and 105—Introductory Bacteriology .....	5
Bact. 308—Food and Applied Bacteriology .....	5
Botany 104—Botany-Zoology Sequence .....	4
Zool. 104—Zoology-Botany Sequence .....	4
	18

#### Applied Courses:

F.T. 201—Elements of Food Technology .....	3
F.T. 202—Elements of Food Technology .....	3
F.T. 206—Inspection Trip .....	0
F.T. 269—Raw Materials for Processing .....	3
F.T. 270—Raw Materials for Processing .....	3
F.T. 301—Food Processing .....	4
F.T. 302—Food Processing .....	4
F.T. 332—Principles of Sanitation in the Processing and Handling of Foods .....	4
F.T. 363—Elements of Unit Operations .....	3
	27

Electives in social sciences or humanities (including foreign language)..... 15

Total required for graduation (exclusive of physical education  
and military)..... 130

<sup>1</sup> D.G.S. 111 and 112 are required in place of Rhet. 101 and 102.

<sup>2</sup> Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 247 and 249.

<sup>3</sup> Students lacking necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 114, 122, 132, 142.

### *Graduate Program*

This program is designed to stimulate basic and applied research in the preservation and manufacture of foods, and to train scientific personnel to conduct the research, control, and production activities of the food industry. It will be administered by members of the graduate faculty in the Department of Food Technology.

#### I. Admission Requirements:

1. General requirements governing admission of graduate students with full status. No students on limited status will be admitted to graduate study in this department.

2. A degree of Bachelor of Science in Food Technology or in a major field of chemistry, bacteriology, chemical engineering, horticulture, or other recognized field of biological, physical, agricultural, or engineering science in which a minimum of the undergraduate credits are as follows: one year of college physics (8 hours); one year of calculus (6 hours); one year of college biology (6 hours); bacteriology, 5 hours; analytical chemistry, 5 hours; organic chemistry, 5 hours; physical chemistry, 4 hours; food technology or equivalent, 20 hours. Deficiencies in any of the above requirements may be made up during the first year of graduate study, but no graduate credit will be given.

#### II. Required Courses:

Bacteriology 308 — Food and Applied Bacteriology

Chemistry 329 — Food Analysis

Chemistry 350 — Biochemistry

Food Technology 301 — Food Processing

Food Technology 302 — Food Processing

Food Technology 332 — Principles of Sanitation in Processing and Handling Foods

Food Technology 421 or 422 — Seminar

Food Technology 493 and/or 494 — Research

It is understood that the list of required courses is flexible to the extent that students who have had equivalent work will be permitted to substitute other established courses, and that new courses may be added or substituted with the approval of the Executive Faculty.

#### III. Electives:

Bacteriology 309 — Bacterial Nutrition and Vitamin Assays

Chemistry 326 — Chemical Analysis and Treatment of Water

Food Technology 363 — Unit Operations in Food Technology

Food Technology 373 — Advanced Food Microbiology

Food Technology 481 — Advanced Studies in Food Technology

Food Technology 482 — Advanced Studies in Food Technology

Home Economics 324 — Problems in nutrition

Established graduate courses in dairy technology and, with the approval of the Department of Food Technology, graduate courses in other departments which by their nature cover material closely related or complementary to the general field or a specific phase of food technology.

#### IV. Degree Requirements for the Degree of Master of Science:

1. Fulfillment of the general requirements with respect to residence and credit.

2. Proficiency in reading scientific literature in one foreign language selected from German, French, or Spanish to the satisfaction of the Department of Food Technology.

3. At least one minor consisting of not less than one unit in a physical, biological, agricultural, or engineering science.

4. An acceptable thesis.

5. A final examination covering the field of general food technology and of the areas of specialization and selected minor will be required. It will be primarily an oral examination but at the option of the department may include a written section.

#### V. Degree Requirements for the Degree of Doctor of Philosophy:

1. A comprehensive written qualifying examination covering both major and minor fields of study must be passed before the department will admit a student to the oral preliminary examination.

2. Fulfillment of the general regulations with respect to residence, credit, minors, language proficiencies, preliminary and final examinations.

3. An acceptable thesis.

### GRADUATE PROGRAM IN EDUCATION

The admission and degree requirements for the Master of Arts, Master of Science, Doctor of Philosophy, and Doctor of Education will remain substantially the same. If the new Ed.M. program here recommended is approved, it is further recommended that the present curriculum for that degree be discontinued as of September, 1950, except that students who have been admitted to the Graduate College prior to September 1, 1950, and have declared their candidacy for the Ed.M., as presently defined, by September 30, 1950, will be permitted to qualify for that degree under the present regulations. All others can become candidates only for the degrees and certificates proposed.

These two programs will be administered by the College of Education within the general administrative framework of the Graduate College.

#### I. Admission Requirements:

A. For the Master of Education: (1) a grade-point average of at least 3.5 for that portion of work which represents the last fifty per cent of the hours completed to secure the bachelor's degree; (2) sixteen semester hours in education with a grade-point average of 3.5 for all education courses.

B. For the Advanced Certificate in Education: (1) a master's degree from an accredited institution; (2) two years of professional employment in education.

#### II. Required Courses:

It is understood that the list of required courses is flexible to the extent that students who have had equivalent work will be permitted to substitute other established courses, and that new courses may be added or substituted with the approval of the Executive Faculty.

A. For the Master of Education: Education 311, Psychology of Learning for Teachers; Education 312, Mental Hygiene and the School; two of the following: Education 304, Social Foundations of Education; Education 301, Philosophy of Education; Education 302, History of American Education; Education 303, Comparative Education.

B. For the Advanced Certificate in Education: in addition to the courses listed above, Education 390, Elements of Educational Statistics; Education 413, Social Psychology and Problems of Education; and either Education 411, Psychology of Adolescence for Teachers, or Education 412, Advanced Child Development for Students of Education.

#### III. Degree Requirements:

A. For the Master of Education: eight units of work of which at least four must be earned in residence.

B. For the Advanced Certificate in Education: eight units of work beyond the master's degree, all of which must be taken on the Urbana campus and four of which must be taken in residence, i.e., the equivalent of one semester's or two summer sessions' work in residence.

It is the judgment of the Executive Faculty of the Graduate College and of the Senate Committee on Educational Policy that when a teacher in service, or one who has been in service, first enters upon the program leading to one of the advanced professional degrees, the student's adviser should determine whether the student has been or is teaching a subject for which he is not qualified in terms of the Limited Certificate requirements. If this is the case, then the student's program should be drawn up in such a way that it includes the work necessary to meet the minor requirements of the Limited Certificate in the subject which the student has been teaching without having met those requirements. With the approval of the adviser, courses in the subject-matter field involved which carry two-hundred numbers may be approved for advanced professional credit, though no such course may be counted as part of the work required for the Master of Arts, Master of Science, Doctor of Education, or Doctor of Philosophy degrees.

This is intended to secure the result that the upgrading procedure for teachers in service be used not only to improve their competence in the art of teaching, but also their grasp of the subject taught, in those cases where the latter is clearly inadequate.

Statement to be included in revised version of Programs in Education for Students Continuing Beyond the Fourth Year:

1. Secondary school teachers who, at the time of first registration, do not hold a valid certificate from the state in which they are employed for every subject which they are teaching will be required to take sufficient courses in the respective subject-matter fields to meet the requirements for a valid certificate. With the prior approval of an adviser, courses in subject-matter fields which carry two-hundred numbers may be approved for advanced professional credit.
2. In general, candidates for the degree of Master of Education are expected to take at least two units of work outside of the field of education. This expectation is especially applicable to students in secondary education. Candidates for this degree may take courses bearing two-hundred numbers for advanced professional credit.
3. Advanced professional credit for courses bearing two-hundred numbers is allowed under the following conditions:
  - a. That the courses be approved in advance by an adviser.
  - b. That credit be computed at the rate of one quarter unit for each semester hour of credit.
  - c. That the total credit for such courses shall not be in excess of two units.
  - d. That no credit for such courses may be counted as meeting the requirements for the degrees of Master of Arts, Master of Science, Doctor of Education, and Doctor of Philosophy.

#### GRADUATE PROGRAM IN STATISTICS

This program will be administered by the Department of Mathematics with a small interdepartmental advisory committee appointed by the Dean of the Graduate College. In the administration of the degree the following conditions are to be satisfied.

Upon entering graduate work in statistics the student is to choose the area of application in which he expects to take the courses required for IIC below. The work of the student will be supervised by two advisers, one in statistical theory and one in that area of application, one of whom shall be in charge of his thesis.

The student will also be asked to decide whether he expects to write his thesis in statistical theory or in the area of application. If he expects to write his thesis in the area of application, then the departments administering that area will determine the details of the program required under IIC and IID below. For example, in the field of economic statistics, the work elected under IIC and IID below would have to satisfy the requirements of a well-rounded coverage of empirical economics with a background of economic theory. Economic statistics as a major interest would accordingly require a minimum of four units in economic theory and history and six units in economic statistics, selected to complement the training in statistical theory and to maximize the benefit of the research experience provided by the dissertation.

If he expects to write his thesis in theoretical statistics, the Mathematics Department will determine the details of the program required under IID below.

If the thesis will be in several departments, these will jointly determine the details of the program under IIC and IID within the spirit of the above conditions.

The doctoral committee for each student will consist of one person for mathematics, one person for theoretical statistics, one person for the area of application, and two persons selected on the basis of the course work and area in which the thesis is written. This committee will be responsible for both the preliminary and final examinations for the doctorate. Its chairman will be from the area in which the thesis is written.

The requirements for admission include college and scholastic record sufficient to gain admission to the University of Illinois Graduate College and the completion of a thorough course in the calculus.

The requirements for the degree, in addition to language and other standard requirements, are:

I. Thesis. To show capacity for important original contributions to one or more of the following:

- (A) The development of new statistical ideas and methods.

(B) Research improving the applications of statistical methods.

(C) New applications of statistical methods in some field of application.

## II. Minimum Course Work.

(A) Mathematics. Mathematics 315, 347, 348 or similar courses of approximately equivalent content.

(B) Theoretical Statistics. Mathematics 363 and eight additional units of which at least four are 400 courses, from a list of courses prepared by the Department of Mathematics, and including all courses jointly listed by the Department of Mathematics and areas of application of statistics.

(C) Area of Application. Four units of which at least two must be 400 courses, and none of which may emphasize training in statistical methods as such. These courses must be taken in some single field of application of statistical methods.

(D) Optional. At least six units of which at least four are 400 courses. These courses may not be taken in more than two departments.

Note 1. So long as a student fulfills the standard requirements for graduate degrees in the University of Illinois, he can complete some of these course requirements as an undergraduate, or by outside reading, or by any other means approved by the Department of Mathematics.

Note 2. It is expected that at least one year will be required for the completion of the thesis after the above course requirements have been fulfilled. Thus a student entering graduate work without having any of the above units would need a minimum of three and one-half to four years to complete the degree, while a student entering with six of these units completed would need a minimum of about three years.

Note 3. A.M. Requirements: The student will need to offer Mathematics 315, 347, 348, 363 or their equivalents, one other unit of 300 courses, and two units of 400 courses in theoretical statistics, two units of courses under IIC and two units of courses under IID. Usually a year and a half will be needed to complete these requirements, unless some of the courses are completed in accordance with Note 1 above.

## GRADUATE PROGRAM IN BUSINESS

In developing this program for the Doctor of Philosophy in Business, the goal is to serve the public by contributing to the continuing development of more responsible and better informed business administrators. The University has the facilities to train men as administrators through instruction and to advance knowledge in the field of business administration through research. It is important to aid men in acquiring the knowledge, the technical competence, the resourcefulness, the vision, the insight into the nature of the administrative process, and the instinctive acceptance of responsibility that characterizes successful administrators.

The Department of Business Organization and Operation also desires to offer this major program so that it might have a part in the further development of men to do the work of scholars in this particular field. Such men to be trained properly for this work should have a wide knowledge of the applied fields as well as a close acquaintance with basic economics.

The specific objectives of the program are: (a) to apply the techniques and the disciplines of the social sciences to the analysis of data in the area of business administration; (b) to seek and point out the economic relationships which permeate all business operations; (c) to interpret the meaning which attaches to human relations related to business activities; (d) to prepare students for teaching, research, and administrative positions.

The proposed Doctor of Philosophy degree requires examination in five fields of which two are in the Department of Business Organization and Operation, two in the Department of Economics, and one which may be either in the Department of Economics or the Division of Accountancy, depending on the background and interests of the individual student. In addition, candidates may offer one field outside of the Department of Business Organization and the Department of Economics.

Courses in areas outside of the two departments offering the joint degree which are cross-titled to courses in either of the two departments are not considered as additional fields when offered by candidates for this degree.

The general administration of the degree will be through an interdepartmental committee. The Committee shall consist of not more than nine members appointed for annual terms. The five members from Commerce will be from the following areas: Accountancy, Economics, Finance, Management, and Marketing.

Four members from non-commerce departments shall be selected from the following departments or areas: Communications, Geography, History, Labor and Industrial Relations, Law, Mechanical Engineering, Philosophy, Psychology, Political Science, and Sociology.

The committee shall select its own chairman from the members of the committee from Commerce.

1. The committee should be nominated by the graduate faculties of the departments of Business Organization and Operation and Economics, and appointed by the Dean of the Graduate College.

2. A majority of the members of the committee should be full-time members of the graduate faculty of Business Organization and Operation and Economics.

3. The committee would function as a policy group and a board of review rather than as an administrative body responsible for day-to-day execution of the program. They would consider procedures for assignment of advisers, guidance of students in selecting courses of study, examination of candidates, and selection of thesis topics. They would consider available courses and recommend changes therein or new courses to be added. Periodically, they would review the program as a whole and its administration, and suggest changes. They would, however, delegate the actual day-to-day administration to one or more individual staff members who might or might not be members of the committee.

4. The Committee would be available also as a panel of technical consultants to assist students and their advisers in the carrying out of specific thesis projects.

#### I. Admission Requirements:

Candidates for the degree of Doctor of Philosophy in Business should have a broad training in business subjects, such as is represented by graduation from an accredited college or school of business. Students who have not graduated from a college of commerce, school of business administration, or an institution offering an equivalent program, must present a minimum of thirty hours in commerce subjects, including at least one course in each of the following: accountancy, economics, management, and marketing. Students lacking adequate preparation for admission may, with the consent of the adviser or committee in charge, be admitted but must remove any deficiencies during the first year of residence by taking prescribed courses without graduate credit.

#### II. Degree Requirements:

1. A minimum of twenty-four units of graduate work conforming to the grade standards of the Graduate College.

2. Up to eight units of research resulting in an acceptable doctoral dissertation in the field of business (see list of suggested topics following).

3. Demonstrated ability to read French and German. The Committee administering the program may recommend appropriate substitutions to the Executive Faculty of the Graduate College in individual cases.

4. A minimum of two units in the field of Economic Theory.

5. A minimum of two units in the field of Management.

6. A minimum of two units in the field of Marketing.

7. A minimum of four units in any two of the following fields: Economic Statistics and Forecasting, Public Finance, Private Finance, Labor, Foreign Trade and International Economics, Economic History, Government Regulation and Regulated Enterprises, Accountancy.

8. The presentation of four units in any of the following fields: Economic Theory, Marketing,<sup>1</sup> Public Finance, Labor, Economic History, Accountancy, Management, Economic Statistics and Forecasting, Private Finance, Foreign Trade and International Economics, Governmental Regulation and Regulated Enterprises.

<sup>1</sup> The Committee may require certain courses and may allow considerable flexibility in the choice and combination of courses in the various fields. For example, a candidate particularly interested in Marketing may, with the permission of the Committee, consider certain courses in the fields of Consumer Economics, Foreign Trade, Transportation, or graduate courses in Marketing Farm Products as "Marketing."

9. The presentation of an acceptable master's thesis or of work in substitution therefor as permitted or required by the Committee.

10. The candidate may substitute two units in a related field outside of the Department of Business Organization and Operation and the Department of Economics for any one of the fields detailed in sub-paragraph 8, above.

**COMPTROLLER'S REPORT OF CONTRACTS EXECUTED  
MAY 1 TO MAY 31, 1950**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
United States Air Force	Instruction for not more than five hundred Air Force personnel June 1, 1950, to June 30, 1953	Rates per contract	May 15, 1950
White & McTaggart Co.	Installation of coin operated Bendix home laundry machines in Lincoln Avenue Residence and Student-Staff Apartment buildings	Rates per contract	May 11, 1950
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Date</i>
The American Federation of Arts	Rental of film "Visual Education for Architects"—November 5 to 26, 1950	\$ 65 00	April 11, 1950

**CONTRACT CHANGES EXECUTED**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount of Change</i>	<i>Date</i>
E. N. DeAtley	Natural History renovation and ventilation	\$1 164 00	May 1, 1950

**ADJUSTMENTS IN AUTHORIZATIONS ISSUED PRIOR TO JULY 1, 1949,  
UNDER COST-PLUS STANDING CONTRACTS**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>
Lewis S. Colbert	One adjustment	\$179 25 <sup>1</sup>
Reliable Plumbing and Heating Company	Two adjustments	8 93
Square Deal Electric Co.	One adjustment	41 16

**PURCHASES**

**A. Purchases Authorized**

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

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Football gear for thirty-six players, plus practice pants, extra jerseys, and miscellaneous items for the Chicago Undergraduate Division football squad	Chicago Undergraduate Division, Physical Education	Mr. Lee A. Freeman, 135 South LaSalle Street, Room 808, Chicago	\$3 000 00 f.o.b. warehouse
130 yearling ewes	Animal Science		3 900 00 delivered (approximately)

**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 ram type milling machine with adjustable cutter head, complete with 1 h.p., 1150 r.p.m., 60 cycle reversible motor, collets, profile stad, table and stop, slotting attachment, and arbors	Industrial Education	Marshall & Huschart Machinery Co., Chicago	\$2 525 50 f.o.b. Springfield, Mass.
One microformer type high magnification stress-strain recorder; one model PS-5M averaging extensometer for use with a 120,000 lb. testing machine	Civil Engineering	Baldwin Locomotive Works, Chicago	1 560 00 f.o.b. Washington, D.C.

<sup>1</sup> Deduct.



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One plate type pasteurizer with a capacity of 60 gal. tomato juice per hour to be heated from 140° F. to 250° F. and cooled to 205° F.; accessories to include twelve smooth plates, one divider plate, hot water circulating unit, and pressure reducing regulator	Food Technology	Pfaudler Co., Chicago	1 670 49
Four vacuum tube voltmeters; one slotted line	Electrical Engineering	Alfred Crossley & Associates, Chicago	1 275 00 f.o.b. Palo Alto, Calif.
One 10 kc. oscillator; one cup, 100 c.c. capacity; one cup, 168 c.c. capacity	Bacteriology (Graduate College)	Raytheon Mfg. Co., Waltham, Mass.	1 850 00 f.o.b. Waltham, Mass.
Two pumps, diffusion, oil, purifying, 5000 liters per second, 16"	Physics	National Research Corp., Cambridge, Mass.	2 800 00 f.o.b. Cambridge, Mass.
Two Q meters, range 50 kc.-75 mc.	Physics	Boonton Radio Corp., Boonton, N.J., c/o Alfred Crossley & Associates, Chicago	1 250 00 f.o.b. Boonton, N.J.
Two each decade scalars, scale 1000, model 105	Physics	Atomic Instrument Co., Boston, Mass.	1 300 00 f.o.b. Boston, Mass.
Two vibrating Reed electrometers, model 30	Physics	Applied Physics Corp., Pasadena, Calif.	3 000 00 f.o.b. Pasadena, Calif.
One continuous film printer, 16 mm., with three-way aperture for printing (by contact) either sound or picture fitted with filter holders for printing Kodachrome	Photography	O. F. Carlson Co., Chicago	3 035 76 f.o.b. Chicago
One #12 Smyth book sewing machine complete with electric controls	Print Shop	E. C. Fuller Co., Chicago	6 720 00 f.o.b. Hartford, Conn.
1900 cases (approximately) Pyrex (Borosilicate) laboratory glassware to be ordered and delivered as required between July 1, 1950, and June 30, 1951	General Chemical Stores		40 500 00 (approximately)
5500 lbs. acetic acid, C.P. reagent; 13,000 lbs. hydrochloric acid, C.P. reagent; 8500 lbs. nitric acid, C.P. reagent; 23,600 lbs. sulphuric acid, C.P. reagent; 5200 ammonium hydroxide	General Chemical Stores	Grasselli Chemical Co., Chicago	8 753 66 f.o.b. Urbana
2000 gm. L-Leucine; 1000 gm. DL-Isoleucine; 16 oz. L-Gystine; 1000 gm. DL-threonine; 500 gm. L-Tyrosine; 200 gm. L-Proline; 2000 gm. L-Glutamic acid; 1 lb. L-Histidine monohydrochloride; 300 gm. L-Lysine monohydrochloride	Chemistry	Merck & Co., Rahway, N.J.	2 061 10 f.o.b. Rahway, N.J.
40,000 gallons (approximately) aviation gasoline, 80 octane; 20,000 gallons (approximately) aviation gasoline, 91 octane	Institute of Aviation	Shell Oil Co., Chicago	11 295 00 f.o.b. delivered
70,000 gallons (approximately) gasoline, regular	Physical Plant Storeroom	Shell Oil Co., Chicago	10 532 20 delivered
600 cases bleached paper towels, 3750 towels per case	Physical Plant	Duckett Paper Co., Champaign, representing National Paper, manufacturer of Sorbette towels	2 859 00 f.o.b. warehouse
300 3/8" laboratory gas cocks, rough brass, single male, seven serrations, with #1498 single tapped turret; 300 3/8" laboratory gas cocks, rough brass, single male, seven serrations, with #1498 double tapped turret; 150 3/8" brass hose nipples, male, brass, seven serrations	Physical Plant Storeroom	Field & Shorb Co., Decatur	1 059 75 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
5400 #35913 common links, chrome C.I. for stokers at Abbott Power Plant	Physical Plant Storeroom	Babcock & Wilcox Co., Chicago	2 700 00 f.o.b. Barberton, Ohio
285 kitchen wall cabinets to be installed in Student and Staff Apartments	Physical Plant	Howard's, Monticello Lewis S. Colbert, Champaign	6 933 96 2 850 00
		Total	9 783 96
Four #A353CH Guth fluorescent fixtures; 29 #A3531H Guth fluorescent fixtures; 45 #A3532H Guth fluorescent fixtures; 64 pr. #M3342 Guth stem extensions	Physical Plant	Heider Electric Supply Co., Elgin	1 981 70 f.o.b. delivered
One 7 ft. Steinway grand piano	Physical Plant	Lyon & Healy, Chicago	3 746 63 delivered
Furnish and spread approximately 10,000 gallons RT-10 road tar on campus roads	Physical Plant	Illiana Construction Co., Urbana	1 925 00
3000 tons (approximately) screenings coal to be delivered as required during June, July, and August, 1950	Physical Plant	Republic Coal & Coke Co., Chicago Taylor-English Coal Co., Danville Bell & Zoller Coal Co., Chicago	4 940 00 4 590 00 4 590 00
		Total	14 120 00
Incandescent and fluorescent lamps to be ordered as required by the Urbana campus and Chicago branches during the period July 1, 1950, to June 30, 1951	Physical Plant Storeroom	Crescent Electric Supply Co., Peoria	22 200 00 (estimated cost) plus 2% o.e. tax less 2% cash discount
One truck, 1 1/2 ton, long wheel base with 12 ft. van body, solid side panels, no rear doors, complete with dual rear tires (700 x 20-10 ply), overload springs, oil filter, heater, and defroster and hydraulic tailgate	Purchasing Office	Sullivan Chevrolet Co., Champaign	2 517 38
1621 board feet #2 KD fir lumber; 6848 sq. ft. 4 x 8 1/4" flexboard; 3008 sq. ft. 4 x 8 1/4" plywood; 1000 lineal ft. shoe mold; 4000 lineal ft. lattice; 36 casings; 36 door molds; 11 2'8" x 6'8"-1 3/4" two-panel fir doors	Institute of Aviation	Illini Lumber Distributors, Champaign	1 484 92 f.o.b. delivered
60,000 reams 8 3/4 x 10 3/4 16# sub. white mimeograph bond paper to be delivered as required during the coming year	Office Supply Store	Bradner Smith & Co., Chicago	27 510 00 f.o.b. delivered to our warehouse
Fire and extended coverage insurance, including unearned premium coverage, subject to 80% co-insurance, effective June 30, 1950, for three years, covering Allerton 4-H Memorial Camp Buildings in the aggregate amount of \$50,000, and contents thereof in the aggregate amount of \$8,580, with premium payable on an annual installment basis	Extension Service in Agriculture and Home Economics	Max Stark, Champaign, representing the American Insurance Co.	3 288 36
Fire and extended coverage insurance including unearned premium coverage in the provisional amount of \$200,000 on a monthly reporting form basis, effective July 29, 1950, for one year on the contents of the Illini Union Bookstore, Champaign, with authority to renew in the same companies for at least one additional year. (This coverage may be purchased on this risk only on an annual basis; the premium can not be any lower than indicated here.)	Illini Union Bookstore	J. Warren Montgomery, Urbana, representing Glens Falls Fire Co. Oren Lane, Peoria, representing the Liberty Mutual Co. Total	1 500 00 501 00 2 001 00

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Aviation liability insurance on a monthly reporting form basis effective July 1, 1950, for one year with bodily injury limits of \$50,000 per person and \$250,000 per accident, and property damage limits of \$50,000 per accident covering aircraft owned, leased, and operated by the University on and off its premises	Institute of Aviation	R. Hill Carruth, Chicago, representing the U. S. Aircraft Insurance Group Deposit premium Annual premium (estimated) Total	500 00 1 416 00 1 916 00
One recorder, indicating, D-C potentiometer type, 16-point, range -2 to -6 millivolts, 115 volt	Mechanical Engineering	Leeds & Northrup Co., Chicago	1 006 82 f.o.b. Urbana
Two each recording timers, precision model SCI-5	Physics	Streeter-Amet Co., Chicago	1 040 00 f.o.b. Chicago
32 animal cages to be manufactured to University specifications and blueprints	Animal Hospital	Sherman-Reynolds, Inc., Chicago	2 785 00 net delivered and installed
Approximately 500 cases of Pyrex laboratory glassware	Professional General Stores (Chicago)	Corning Glass Works, Corning, N.Y., through five authorized dealers	10 000 00
Builders' all-risk insurance including fire, extended coverage, vandalism and malicious mischief coverages at two-year rates on a monthly reporting form basis effective August 1, 1950, on the Animal Sciences Laboratory, Urbana Campus, on which the final insurable value is estimated at \$2,400,000	Physical Plant	The Reynolds Ins. Agency, Peoria, representing the General Insurance Co., the Hartford Fire Insurance Co., the St. Paul Fire and Marine Insurance Co., and the Springfield Fire and Marine Insurance Co.—one-fourth of the coverage to each company	6 500 00 (gross estimated)

#### AGREEMENTS WITH MEDICAL CENTER COMMISSION

##### OUTLINE OF CONDITIONS OF PROPOSED AGREEMENTS BETWEEN MEDICAL CENTER COMMISSION AND UNIVERSITY OF ILLINOIS FOR CONSTRUCTION OF A STUDENT RESIDENCE HALL AND STAFF APARTMENT BUILDING FOR THE CHICAGO PROFESSIONAL COLLEGES OF THE UNIVERSITY OF ILLINOIS

(Recommended by a Committee of the Medical Center Commission and the Committee on Chicago Departments of the University Board of Trustees June 15, 1950.)

1. The University will convey to the Commission the site for the residence hall (immediately west of the main Medical-Dental-Pharmacy Building). The Commission will provide the site for the apartment building (four blocks east of main building) including certain present buildings to be incorporated with the staff apartment project.

2. The Commission is to procure all the necessary temporary and permanent financing for the proposed project on conditions mutually acceptable to the two parties. (Equitable Life Assurance Society has offered to lend the Medical Center Commission the total amount required for construction and equipment of the projects up to \$2,700,000, with an informal tentative maximum of \$3,000,000, at 4 per cent to be fully amortized in twenty-five years, with a commitment fee of  $\frac{1}{4}$  of 1 per cent, subject to a mutually satisfactory agreement between the Commission and the University.)

3. The Commission agrees to construct and equip the residence hall and the apartment building from funds thus secured, buildings to be constructed in accordance with plans and specifications provided by architects previously appointed by the University.

4. Bids are to be solicited by public advertisement, opened in the presence of University representatives, and contracts for all construction, equipment, and remodeling are to be let on written approval of the University. Payments for work

are to be made on written approval of the University and Commission, but not in excess of the amount of the loan.

5. When improvements are completed, the Commission will lease all premises to the University for the period of the loan.

6. The University is to pay all operating expenses including insurance and a rental of an amount sufficient to cover debt service each year until the loan is fully paid. (Estimated debt service on a maximum loan of \$3,000,000 is \$195,000; estimated income is \$146,000; balance to be met from General University Income \$49,000 a year. On the basis of architect's estimate, \$3,600,000 cost of these improvements, debt service would be \$234,000 a year and difference \$88,000.)

7. When all debt obligations are fully paid, the Commission will convey all premises to the University (offer of financing of Equitable loan would be non-callable for five years, thereafter at premiums ranging from  $\frac{1}{2}$  to 3%).

NOTE: The foregoing conditions are in conformity to the conditions agreed on by representatives of the Commission and the University March 29, 1949, approved by the Board April 21, 1949, and reaffirmed by the Board May 19, 1950, except that construction is to be supervised by the architects, who, although they were chosen by the University, will become agents of the Commission, instead of being "University architects" as previously provided.

#### OFFER OF THE UNIVERSITY OF ILLINOIS TO THE MEDICAL CENTER COMMISSION RESPECTING THE CONSTRUCTION BY THE MEDICAL CENTER COMMISSION OF CERTAIN STAFF HOUSING FACILITIES AND STUDENT RESIDENCE HALL TO BE LEASED TO THE UNIVERSITY OF ILLINOIS

TO THE MEDICAL CENTER COMMISSION, COOK COUNTY, ILLINOIS:

An emergency exists at the Professional Colleges of the University of Illinois (hereinafter referred to as the "University") with respect to housing for members of the staff of and students attending the Professional Colleges, and the University is in urgent need of additional housing facilities for said purposes.

The University now owns the following described property:

##### PARCEL A

Lots One (1) to Ten (10) inclusive and Fifty-nine (59) and Sixty (60) and Lots Ninety-five (95) and Ninety-six (96) of Potter Palmer's Subdivision of Lot Eleven (11) and that part of Lot Twelve (12) lying South of the center line of Polk Street, except Winchester Avenue, in Codewise's Subdivision of the West Half ( $W\frac{1}{2}$ ) of the Southeast Quarter ( $SE\frac{1}{4}$ ) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian, except the West one and thirty-seven hundredths (1.37) chains,

and the Medical Center Commission (hereinafter referred to as the "Commission") now owns the following described property:

##### PARCEL B

Lots One (1) to Twenty-four (24) inclusive in Sturges et al Resubdivision of Block Nine (9) in Assessor's Division of the East Half ( $E\frac{1}{2}$ ) of the Southeast Quarter ( $SE\frac{1}{4}$ ) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian.

In order to procure the necessary staff and student housing for said Professional Colleges, and in consideration of the Commission making arrangements for temporary and permanent financing of and the construction and equipment of the necessary buildings for that purpose on the above-described parcels, and, as may hereafter be agreed upon by the University and the Commission, for the remodeling and repairing of such of the existing buildings as are retained on Parcel B hereinabove mentioned, the University hereby offers to convey to the Commission the tract of land now owned by it and hereinabove described as Parcel A by deed in substantially the form attached hereto and marked Exhibit "A".

The Commission, in consideration of the conveyance to it and by acceptance of this offer, shall agree to arrange for temporary and permanent financing on terms mutually acceptable to the Commission and to the University for the con-

struction of a student residence hall on said Parcel A, a suitable building for staff housing on said Parcel B, including the repairing and remodeling of the existing buildings (retained as aforesaid) on Parcel B, and all equipment and furniture necessary therefor, and to construct and equip said buildings and remodel and repair retained existing buildings on Parcel B for the purposes aforesaid, all to be done in accordance with the provisions of Exhibit "B" hereto attached.

Upon advice in writing addressed to the President of the Board of Trustees of the University by the Commission that it has procured temporary and permanent financing, to be mutually agreed upon, for the matters above mentioned, the Commission will simultaneously with the delivery by the University of its aforementioned deed execute and deliver a lease in substantially the form attached hereto and marked Exhibit "B" to the University. It is understood that the blank amount of rent to be paid as provided in Section 3 of said lease, shall be such amount and on semi-annual dates as may be mutually agreed upon at the time said lease is executed.

Upon acceptance of this offer, the University for and on behalf of the Medical Center Commission, will prepare and submit to the Commission all necessary plans, specifications and estimates of cost necessary for the construction of said buildings, it being understood and agreed that the expenditures by the Medical Center Commission for the construction, repair, remodeling and equipment of said buildings, including all extras, shall not exceed the amount of the permanent financing therefor, and that the University is to be reimbursed by the Commission from the proceeds of the permanent financing of the construction, repair and equipment of the aforesaid buildings for all funds advanced by it for that purpose, but only after all other costs and expenses of such construction, equipment and repair have been fully paid, and that there are sufficient funds therefore from such permanent financing at that time to reimburse the University for such funds advanced.

Upon receipt by the Medical Center Commission of the plans, specifications and estimates of cost necessary for the construction of said buildings, the Commission agrees that it will advertise for bids for the construction of said buildings by giving at least three weeks' notice thereof, and that bids will be opened publicly in the presence of representatives of the University of Illinois and that the bids received will be turned over to representatives of the University of Illinois for analysis and will award all contracts responsive to the written recommendations of the University of Illinois.

Respectfully submitted,

UNIVERSITY OF ILLINOIS

By.....  
President of the Board of Trustees

By.....  
Secretary of the Board of Trustees

ACCEPTED for and on behalf of the Medical Center Commission, Cook County, Illinois, pursuant to authority of a resolution adopted by the Medical Center Commission on the ..... day of ....., 1950.

MEDICAL CENTER COMMISSION

By.....  
President

By.....  
Secretary

#### EXHIBIT A

THIS INDENTURE made this ..... day of ....., 1950, by and between the Board of Trustees of the University of Illinois, a body politic and corporate of the State of Illinois (hereinafter referred to as the "University"), party of the first part, and Medical Center Commission, a body politic and corporate of the State of Illinois (hereinafter referred to as the "Commission"), party of the second part,

## WITNESSETH:

WHEREAS the University is the owner of the premises hereinafter described, now vacant and unimproved, and the Commission is the owner of certain property, now improved with certain buildings thereon (hereinafter referred to as the "other property"); and

WHEREAS the University is in need of housing facilities for the staff and student body of its Professional Colleges; and

WHEREAS the Commission has agreed to construct buildings necessary for the above purposes on the premises hereinafter described and upon the other property now owned by the Commission and to procure temporary and permanent financing for said construction, and the Commission further agrees, upon the execution and delivery of this deed, to execute and deliver a lease covering the premises hereinafter described and the other property and all buildings now or hereafter located thereon:

NOW, THEREFORE, the University, in consideration of the agreements of the Commission and Ten Dollars in hand paid, hereby conveys and quitclaims to the Commission the following described property in the County of Cook and State of Illinois, to wit:

Lots One (1) to Ten (10) inclusive, Fifty-nine (59), Sixty (60), Ninety-five (95) and Ninety-six (96), and all interest now owned or hereafter acquired in and to the alleys adjoining any of said Lots, of Potter Palmer's Subdivision of Lot Eleven (11) and that part of Lot Twelve (12) lying South of the Center line of Polk Street, except Winchester Avenue, in Codewise's Subdivision of the West Half (W½) of the Southeast Quarter (SE¼) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian, except the West one and thirty-seven hundredths (1.37) chains.

It is understood and agreed that this conveyance is made upon the express condition that the construction of the aforementioned buildings is to be commenced on or before June 1, 1953, and in the event the Commission shall fail to commence the construction as aforementioned, then this conveyance shall be null and void, and the estate hereby conveyed shall immediately revert to and be revested in the University, and the University shall forthwith have the right to re-enter and repossess the premises hereby conveyed.

IN WITNESS WHEREOF the Board of Trustees of the University of Illinois has caused this instrument to be executed in its corporate name and behalf by its President and its corporate seal to be hereunto affixed and attested by its Secretary, all as of the day and year first above written.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

By.....  
President

(Seal)  
Attest:

.....  
Secretary

STATE OF ILLINOIS }  
COUNTY OF COOK } SS

I, ....., a Notary Public in and for the County and State aforesaid, do hereby certify that ....., personally known to me to be the President of the Board of Trustees of the University of Illinois, a body politic and corporate of the State of Illinois, and ....., personally known to me to be the Secretary of said corporation and personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that as such President and Secretary they signed and delivered the

said instrument and caused the corporate seal of said corporation to be affixed thereto as their free and voluntary act and as the free and voluntary act and deed of said corporation, for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal this ..... day of ....., 1950.

.....  
Notary Public

#### EXHIBIT B

THIS INDENTURE made this ..... day of ....., 1950 between Medical Center Commission, a body politic and corporate of the State of Illinois, party of the first part (hereinafter called the "Lessor") and the Board of Trustees of the University of Illinois, a body politic and corporate of the State of Illinois, party of the second part (hereinafter called the "Lessee"),

#### WITNESSETH:

SECTION 1. The Lessor, in consideration of the rents herein reserved and of the covenants and agreements herein contained on the part of the Lessee to be kept, observed and performed, has demised and leased and does by these presents demise and lease unto the Lessee the following described real estate in the County of Cook and State of Illinois, to wit:

#### *Parcel A*

Lots One (1) to Ten (10) inclusive and Fifty-nine (59) and Sixty (60) and Lots Ninety-five (95) and Ninety-six (96) of Potter Palmer's Subdivision of Lot Eleven (11) and that part of Lot Twelve (12) lying South of the center line of Polk Street, except Winchester Avenue, in Codewise's Subdivision of the West Half (W $\frac{1}{2}$ ) of the Southeast Quarter (SE $\frac{1}{4}$ ) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian, except the West one and thirty-seven hundredths (1.37) chains,

which premises are at present vacant and unimproved and on which is to be erected a Student Residence Hall (hereinafter referred to as the "Residence Hall"); and

#### *Parcel B*

Lots One (1) to Twenty-four (24) inclusive in Sturges et al Resubdivision of Block Nine (9) in Assessor's Division of the East Half (E $\frac{1}{2}$ ) of the Southeast Quarter (SE $\frac{1}{4}$ ) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian,

which premises are at present vacant and unimproved and on which is to be erected is to be erected a ten story Staff Apartment Building (hereinafter referred to as the "Apartment Building").

The Lessor further agrees, as soon as may be after the date hereof, to procure ordinances necessary for and at its own cost and expense to complete the vacation of the east and west alley south of and adjoining Lots 1 to 10 inclusive and north of and adjoining Lots 59 and 96 and also that part of the north and south alley lying between Lots 59, 60, 95 and 96, all referred to in Parcel A, and that part of the north and south alley lying west of and adjoining Lots 1 to 12 inclusive and east of and adjoining Lots 13 to 24 inclusive, all referred to in Parcel B; as and when the alleys aforementioned have been vacated, it is agreed by the parties hereto that the same shall be and constitute a part of the premises hereby demised and leased, which are defined as Parcels A and B and all buildings thereon with all equipment and furnishings therein, and are hereinafter referred to as the "demised premises".

TO HAVE AND TO HOLD the demised premises above described and all buildings and improvements now thereon or hereafter placed or erected thereon, together with all the rights, privileges, easements and appurtenances thereunto attaching and belonging, unto the Lessee for and during the term and upon the provisions hereinafter specified.

SECTION 2. This lease shall be effective for a primary term beginning on the ..... day of ....., 1950, and ending on the 30th day of June, 1951,

and the Lessor hereby gives and grants to the Lessee the right and option of renewing this lease for successive two year periods until the year 1974 and thereafter for a one year period until the ..... day of ....., 1975. It is further agreed that unless the Lessee notifies the Lessor at least sixty days prior to the expiration date of the primary term or of any two year period thereafter while this lease, by its terms or by successive extensions thereof shall be in effect, of its intention not to renew the same, this lease shall be automatically renewed for the next succeeding two year or one year period, as the case may be.

SECTION 3. The Lessee, in consideration of the leasing aforesaid and in further consideration of the Lessor's covenants and agreements herein contained, hereby covenants and agrees to pay to the Lessor as rent for said demised premises (a) the sum of \$100 in advance for the period beginning on the date of the execution hereof and ending on the day of the date on which the construction of said Residence Hall and Apartment Building as hereinafter provided shall be completed, but not later than June 30, 1954, and (b) after completion or from and after said date, whichever is earlier, further agrees to pay as rent during the balance of the two year period then in effect and during each two year period subsequent thereto in which this lease shall be in effect by virtue of renewals thereof, effected as aforementioned, the sum of \$....., payable in semi-annual installments of \$..... each on the 10th day of ..... and ..... in each year.

It is agreed that the semi-annual rent is to be assigned or pledged as security for the obligations of the Lessor incurred by it in accordance with the provisions of Section 5 hereof, and such assignment or pledge shall only be effective upon delivery of an executed counterpart thereof to the Lessee, and thereafter all payments of said rentals shall be made to said assignee or the pledgee at such place as it may, in writing, direct.

SECTION 4. The Lessor, in consideration of the rents herein reserved and of the covenants and agreements herein mentioned to be kept and performed by the Lessee, does hereby transfer, assign and set over to the Lessee all of its right, title and interest in and to each of the respective existing leases, whether oral or written, demising and leasing any part or portion of the present buildings on the premises described in Parcel B, together with all rent due and payable under said leases on the ..... day of ....., 1950, and all rents under said leases which shall become due and payable thereafter. It is further agreed that the Lessee shall have the sole right to manage and operate the demised premises and be entitled to sublet any or all of the demised premises and to collect all rentals and receive and retain under its control all income derived or accruing from the use of any part of the demised premises, and the Lessee agrees to pay all expenses of operation of said demised premises and the expenses of heat, light, power, water, janitor services and maintenance of the demised premises and all other expenses incident to the operation thereof; provided, however, that all rents so collected during the period of remodeling shall be by the Lessee used and applied, so far as the same may extend and be remaining after payment of expenses as in this Section provided, toward the cost of remodeling, reconditioning and improving the buildings to be retained now standing on Parcel B.

SECTION 5. The Lessor agrees to construct and erect and fully equip upon Parcel A the aforesaid Residence Hall and upon Parcel B the aforesaid Apartment Building, and further agrees, upon terms and conditions satisfactory to Lessee, to procure and provide, by and through its own obligations and at its own expense, all financing and funds necessary to complete the construction and erection of said buildings, to furnish said buildings, pay all architects' fees, including all advances made by the Lessee for that purpose, and any additional cost of remodeling the buildings to be retained now standing on Parcel B. It is further understood and agreed that said Residence Hall shall be constructed in accordance with plans and specifications prepared by Messrs. Naess & Murphy and that said Apartment Building shall be constructed in accordance with plans and specifications prepared by Messrs. Skidmore, Owings & Merrill, and that all such plans and specifications and the letting of all contracts for the construction, equipment and remodeling of said buildings and purchase of equipment and all payments for any and all such work to



contractors and of architects' fees shall be subject to the prior written approval of the Lessee, and further that such construction and work shall at all times be under the supervision and direction of said architects.

SECTION 6. The Lessee hereby covenants and agrees that it will, while this lease shall be in effect, carry and maintain at its cost and expense fire insurance with extended coverage upon the aforesaid buildings and equipment in such amounts and companies as may be deemed satisfactory to it, which policies shall provide that losses, if any, will be payable to the Lessor and the Lessee as their respective interests may appear, and in the event the rent payable hereunder is assigned or pledged, to carry and maintain such insurance in the amount as may be required by, which in the event of loss or damage shall be applied in accordance with, the provisions of the indenture or agreement securing said assignment or pledge.

SECTION 7. The Lessee hereby covenants and agrees to and with the Lessor that it will not use or permit any person to use the demised premises or any buildings at any time situated upon the premises or any part of such buildings for any use or purpose in violation of the applicable laws of the United States, the State of Illinois, the ordinances or other regulations of the City of Chicago, Illinois, or of other lawful authorities, and while this lease shall be in effect said demised premises and every part thereof and all buildings at any time situated thereon shall be kept by Lessee in a clean and wholesome condition and generally that all applicable health and police regulations shall in all respects and at all times be fully complied with by the Lessee, and also that improvements at any time situated upon the demised premises and all the sidewalks and areas in front and along the side of the same, as well as in the rear thereof, shall be made and kept, at the Lessee's own expense, safe, secure and conformable to the applicable requirements of the City of Chicago, Illinois, and all other public authorities, and the Lessor kept harmless and indemnified at all times against any loss, damage, cost or expense, for which the Lessor or the Lessee may be legally liable, by reason of a failure so to do in any respect, or by reason of any accident, loss or damage resulting to any person or property by reason of any use which may be made, or condition of said premises, or of any improvements at any time situated thereon, or by reason of or growing out of any act or thing done or omitted to be done upon the said premises, or in any building at any time situated thereon.

SECTION 8. The Lessee covenants and agrees at its own expense to maintain and repair all buildings now or hereafter located on the demised premises, and further agrees that it will not make any changes in the construction of the buildings now or hereafter located on the demised premises which will adversely affect the income therefrom without the approval of the Lessor.

SECTION 9. If at any time while this lease is in effect the Lessee shall fail to extend or renew this lease, or for a period of two months fail to make the rental payments herein provided, or shall make default in any of the covenants and agreements herein contained and two months shall elapse after such default without the same being remedied, the Lessor shall have the right, on written notice to the Lessee, to declare the said term ended and the said demised premises or any part thereof, either with or without process of law, to re-enter and the said Lessee and every other person occupying, in or upon the same to expel, remove and put out, using such force as may be necessary in so doing and the said premises again to repossess and enjoy as in its first and former estate.

SECTION 10. It is understood and agreed that this lease is subject to and accepted by the Lessee upon the condition that in the event of non-use of the demised premises, or any part thereof, for the purpose described in "An Act in relation to the establishment of a Medical Center District in the City of Chicago and for the control and management thereof", approved June 4, 1941, as amended, or of the disuse of the demised premises, or any part thereof, for a period of one year, all right, title and interest of the Lessee hereunder shall cease and determine and the demised premises revert to the Lessor, its successors or assigns, as provided by said Act as amended.

SECTION 11. If the Lessee shall maintain this lease in full force and effect until all of the Lessor's indebtedness referred to in Section 5 hereof is fully paid,

released and discharged, the Lessee may, as a matter of right and agreement, request of and the Lessor, upon such request, agrees to make, execute and deliver a good and sufficient deed conveying the demised premises to the Lessee. It is further understood and agreed that the Lessee shall have the right, in order to secure the aforementioned conveyance of the demised premises, to exercise any right of Lessor to prepay and discharge the said indebtedness, and upon such payment and discharge, notwithstanding the provisions of this Section, the Lessee shall be entitled to demand and receive the aforementioned deed of conveyance of the demised premises.

SECTION 12. It is understood that, if the Lessee shall fail to maintain this lease in effect on its present terms as long as any of the Lessor's indebtedness referred to in Section 5 hereof shall be outstanding, the Lessee shall forfeit all right, title and interest in and to the demised premises and shall forfeit all claims for moneys expended in maintenance, improvements, repairs, insurance, and any and all other moneys, of every kind and nature, expended by it in the operation and improvement of the demised premises and all rights to acquire the demised premises as hereinbefore provided.

SECTION 13. This lease may be simultaneously executed in any number of counterparts, each of which when so executed and delivered shall be an original, but such counterparts shall together constitute but one and the same instrument.

IN WITNESS WHEREOF Medical Center Commission has caused this lease to be executed in its corporate name and behalf by its President and its corporate seal to be hereunto affixed and attested by its Secretary and The Board of Trustees of the University of Illinois has caused this lease to be executed in its corporate name and behalf by its President and its corporate seal to be hereunto affixed and attested by its Secretary, all as of the day and year first above written.

MEDICAL CENTER COMMISSION

By.....  
President

Attest:

.....  
Secretary

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

By.....  
President

Attest:

.....  
Secretary

STATE OF ILLINOIS }  
COUNTY OF COOK } SS

I, ....., a Notary Public in and for the County and State aforesaid, do hereby certify that ....., personally known to me to be the President of Medical Center Commission, a body politic and corporate of the State of Illinois, and ....., personally known to me to be the Secretary of said corporation and personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that as such President and Secretary they signed and delivered the said instrument and caused the corporate seal of said corporation to be affixed thereto as their free and voluntary act and as the free and voluntary act and deed of said corporation, for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal this ..... day of ....., 1950.

.....  
Notary Public

STATE OF ILLINOIS }  
COUNTY OF COOK } SS

I, \_\_\_\_\_, a Notary Public in and for the County and State aforesaid, do hereby certify that \_\_\_\_\_, personally known to me to be the President of the Board of Trustees of the University of Illinois, a body politic and corporate of the State of Illinois, and \_\_\_\_\_, personally known to me to be the Secretary of said corporation and personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that as such President and Secretary they signed and delivered the said instrument and caused the corporate seal of said corporation to be affixed thereto as their free and voluntary act and as the free and voluntary act and deed of said corporation, for the uses and purposes therein set forth.

GIVEN under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, 1950.

\_\_\_\_\_  
Notary Public

## REPORT ON CASE OF PROFESSOR R. H. BLODGETT

### REPORT OF FACT-FINDING COMMITTEE

June 12, 1950

*Provost C. R. Griffith*  
*207 Administration (East)*

DEAR PROVOST GRIFFITH:

On May 18 you wrote, asking us to serve as a "fact-finding group on the question of possible violation of academic freedom in the Department of Economics." You wrote that you did not wish to prejudice the case by assuming that there was a violation of academic freedom, which might be the implication if you presented the question to the Senate Committee on Academic Freedom. You concluded by stating, "What I really need is assistance in the determination of prior fact, viz., has anything occurred with respect to Professor Blodgett either directly or indirectly, which requires that a question about academic freedom be raised?"

From the outset, the members of the Committee have assumed that this was an assignment of major significance to the University and to all individuals concerned with the question. In consequence the Committee has worked very hard. Whatever else you may conclude about our report, I am sure you will grant that we have gone about this task seriously and with industry. We have, of course, interviewed Professor Blodgett, Dean Bowen, and Professor Hagen. In all, we have heard twenty individuals and, in doing this, we have sought out, so far as we could determine them, all varying points of view. This has not been a one-sided examination.

Each individual who appeared before us gave the Committee his full cooperation. While some said they had no objection to their names being used in our report in relation to this testimony, the members of your Committee are deeply sensitive to the fact that they are the repositories of confidences that must not be violated. We wish to record the fact, also, that while wide divergences in opinion and judgment were expressed, the testimony on the essential facts brought out before the Committee was amazingly uniform. All the statements made were sincere and frank. After hearing the successive statements of those who testified and after observing their demeanor and their efforts to be fair in all they said, the Committee is puzzled over the fact that individuals apparently so candid and reasonable could have so much difficulty in getting along with each other. But here we are ahead of our report.

The commission to the Committee, according to your letter of May 18, had to do with the question of academic freedom. The Committee finds it undesirable, if not impossible, to report on that question alone. The issue of academic freedom is inextricably woven into a wider texture. We could give an answer to the academic freedom question but if we dealt with that alone, it would be an answer out of con-

text. It would not convey an understanding of the problem involved. From the very first, each successive person who was heard by us talked about a human-relations controversy. The facts disclosed by all the persons were essentially the same but, with few exceptions, they were not focused on academic freedom. Some who testified found it difficult even to identify an issue on that subject. We sincerely believe we can perform our services more acceptably if we describe and discuss the question assigned to us in a broader setting. In doing this, we shall devote attention primarily to the Department of Economics, but we shall also, on occasion, extend our remarks to the College of Commerce and Business Administration.

### *Background*

Twenty years ago such men as Weston, Robinson, and Bogart dominated the situation in Economics. Professor Scovill was then, as he still is, active in Business Organization and Operation and in Accounting. C. M. Thompson was the Dean. In 1933, Professor Weston died, and Professor Robinson retired. Then followed what has been described as the "limping period." In 1937 new blood was introduced when several men, including Professor Blodgett, joined the staff. Then came World War II and its repercussions on higher education. A number of the staff went into the armed services, and a substantial number accepted positions in the various departments of government. Before the war, the largest number of staff members in the Department of Economics (counting assistants) was thirty-five. The Department for years had been understaffed. After the war the situation was well-nigh desperate as a depleted staff labored to meet the impact of mounting student enrollments. Professor Scovill was performing valiantly as Acting Dean of the College, but when other divisions of the University were planning and acting with all the manpower they could bring to bear on the problem of postwar enrollments, the College of Commerce and Business Administration was almost literally marking time, looking for a dean. In 1947 Howard R. Bowen was appointed to the position. The task that confronted him and his colleagues was a critical one.

When Dean Bowen arrived on the campus, he found that decisions on various policies and actions relating to the affairs of the College, including advancements for members of the staff, had been held in abeyance until his arrival. He was faced, therefore, not only with matters for decision on the ongoing problems of the College but with a backlog of unsolved issues. The immediate task ahead was to build up a depleted staff and to build it well. He chose, because he believed the situation there more critical than elsewhere, to give his attention first to the Department of Economics. It is not within the assignment of this Committee to determine whether it is wiser, assuming resources are available, to build a staff rapidly or through slower evolutionary steps. Dean Bowen felt it to be his assignment to proceed expeditiously with staff additions to build up a depleted staff, not only in number, but in distinction and potential distinction in teaching and scholarship. There was agreement among those who appeared before our Committee on these objectives. There was recognition that the Department of Economics was badly understaffed and there was unanimity that the goal should be the organization of a balanced and distinguished staff; that the goal should be a distinguished department.

### *Developments under Bowen*

Dean Bowen is a man of high intelligence, high standards, and personal charm. He is industrious and energetic. On becoming Dean of the College, he proceeded forthwith to execute his assignment as he conceived it. Staff additions were made and curricular changes were initiated. No one who testified questioned the desirability of curricular changes. In fact, changes in the curriculum had been initiated by the staff in economics before Dean Bowen came. Some of these curricular changes involved the reorganization of the courses of the older members of the staff. The new staff members had to be fitted into the program with assignments in teaching and research. The older members, of course, were aware that they had been carrying overloads, but to agree to an objective becomes a matter of different complexion when the issue touches the instructor's own courses. As the newer men were fitted into the program of the department and changes were made in the courses of the older men, there often was inadequate consultation with the men whose courses were involved. This created resentment and apprehension.

The newer men, also, developed sensitivities. They had a right to expect teaching and research assignments. It was disagreeable for them to have to fight their way to these assignments. There was evidence of inequalities in rank and salary, and evidence of tactless remarks by the Dean and Professor Hagen, the present Chairman of the Department. Feelings were hurt. The older staff members developed the conviction that they had no standing with the administration; that they had no one in the administration to whom they could go with their questions and problems for friendly consultation; that the Dean and Professor Hagen placed a low estimate on their worth. There were innuendoes and some direct statements that the teaching and scholarship of the older men were outmoded, and, on the other hand, that the newer men were picked on the basis of their adherence to one school of economic thought. Charges were made that the older men were failing to use their skills and tools that were generally accepted in the discipline, and countercharges were made that these accusations were unfounded and that the newer members of the staff were indoctrinating with a special brand of economic policy.

Eventually a cleavage developed between the older and newer staff members. The Committee notes the fact that the division is not so definite as that, and that there are moderates who were anxious to work out a program of amicable teamwork. In the main, though, the cleft is between the new and the old. This cleavage resulted in practices involving caucusing when votes were taken in the Department and in its Executive Committee. There was some evidence of this procedure in the events leading up to the election of the present Chairman of the Department. There was clear evidence of it when the issue relative to Professor Blodgett's leaving the University came before the staff of the Department. The Committee wishes to record its condemnation of such practices. They are unworthy of university people and are incompatible with the best traditions of a society of scholars.

We have mentioned the fact that charges were made that there had been a lack of consultation with staff members when the courses of these individuals were under consideration for change. There were further charges with supporting evidence that the statutes of the University and the established procedures of the Department were, at times, ignored in the determination of curricular changes and in establishing policies. The Department of Economics is now organized under a chairman as distinguished from an organization under a head. The charge is that Professor Hagen, the Chairman, did on at least one occasion of some importance (as evidenced by ensuing events) ignore his Executive Committee. Charges were also made that Dean Bowen has taken actions without going through established channels. The general atmosphere is one of apprehension and distrust. It centers in the Department of Economics but extends to the staff of the whole College.

#### *The Issue of Academic Freedom*

Charges have been made by some individuals that academic freedom has been infringed in the College, and more particularly in the Department of Economics. Since these charges, for the most part, focus on the case of Professor Ralph H. Blodgett, we shall devote our attention primarily to it.

Professor Blodgett came to the University as an Assistant Professor in 1937. He was promoted to Associate Professor in 1941, and to Professor in 1945. Through the years of his service here, he had been given a growing number of responsibilities. These responsibilities in 1947 included the following: He taught at the undergraduate level a course for non-commerce students on the principles of economics; two courses on the subject of comparative economic systems, one at the undergraduate and the other at the graduate level; and a year (two-semester) course in economic theory at the graduate level. In addition, he was the adviser for graduate students in economics. His writings have been substantial. He was co-author (Gemmell and Blodgett) of *Principles of Economics*, and author of *Principles of Economics* (a text of his own), and *Comparative Economic Systems*. He has written some articles, but his original contributions to the periodical literature in economics have not been extensive. His textbooks have had substantial adoptions in other universities. He is a good teacher.

Those who charge violation of academic freedom agree that the Blodgett case is not the usual one in which that subject is involved. Professor Blodgett was not

discharged. They contend, as the Committee understands them, that Professor Blodgett was relieved, step by step, of his responsibilities in the Department until what remained was but a semblance; that statements were made by the Chairman of the Department disparaging his scholarship; that the Dean and the Chairman of the Department charged him unjustly with not employing in his teaching and writings recognized skills in the field of economics; that efforts were made by the Chairman to discriminate against him in salary advancement; that these actions were taken because Blodgett did not stress a particular brand of economics acceptable to Dean Bowen and Professor Hagen and that the cumulative effect of all these constituted a compelling force to make him leave the University in order to maintain his self-respect. Facts were presented to the Committee in support of these charges, on the strength of which the contention was made that there had been a violation of academic freedom.

The Department offers two basic courses on the principles of economics—one for commerce students (now Economics 102-103) and the other for non-commerce students (now Economics 108). Professor Blodgett, as we have indicated, taught the latter course, but his texts, at one time, had been used in both. The evidence is that Professor Hunter (now deceased), when he was the Head of the Department, had changed the text in the course for the commerce students. Later, under Dean Bowen, the course (Economics 108) for non-commerce students was transferred from Blodgett to another instructor, who does not use the Blodgett text. Professor Blodgett had taught two courses on comparative economic systems. In the one for undergraduate students, the Blodgett text, *Comparative Economic Systems*, was used. This course was transferred to another instructor, who does not use the Blodgett text. Professor Blodgett was given and accepted the responsibility for teaching another course (Economics 109) intended for non-commerce students who wish to take additional work in that field. He taught that course during 1949-1950, using his own text, but he had only fourteen students in it. There was some evidence that the plans for the curriculum involved giving greater emphasis to this course and that as a consequence it probably would have a considerable increase in enrollment next year.

Mention was made above that Professor Blodgett had been the adviser for graduate students in economics. He was relieved of that responsibility by Dean Bowen. More recently a move was projected by Professor Hagen, Chairman of the Department, to limit Blodgett's graduate course in economic theory from a year to a one-semester course. This proposal had not been approved by the Executive Committee of the Department when Blodgett decided to leave the University to accept an offer from the University of Florida. We shall mention the move to restrict the economic theory course in relation to another incident.

To what extent these various actions were discussed with Professor Blodgett before the steps just outlined were taken is not clear. There is evidence that he was consulted as to some. As to one move the evidence was that he was told about it by the then-Acting Head of the Department (Professor Brown) in the morning and action on it was announced in the afternoon of the same day.

Last spring when salary adjustments for 1950-1951 for members of the staff were under consideration by the Executive Committee of the Department, Professor Hagen, Chairman of the Department, opposed any increase for Blodgett. Hagen was supported by one or two members of the Committee. The majority, however, voted to recommend an increase of \$250. This recommendation was transmitted by Hagen to Dean Bowen, who raised the amount to \$300 to make Blodgett's salary the same as that of another staff member. Professor Blodgett received \$7500 last year (1949-1950). In March, when he had received an overture from Florida, he told Professor Hagen about it and inquired what he might expect here by way of increase for next year. Professor Hagen stated that he did not feel free to disclose this information without consulting Dean Bowen. Professor Blodgett did not have a complete offer at that time. He had a statement that Florida wished to invite him to come there at a salary of \$8,000, but this was contingent on the approval of the Florida budget. Professor Hagen told Blodgett that he could not recommend \$8,000 for him, since that would bring his salary out of line with others. During this conversation, Hagen told Blodgett that he

expected to recommend a reduction in time for Blodgett's graduate course in economic theory. Professor Hagen testified he told Blodgett that he was looked upon as a good teacher and that he hoped he would remain at Illinois. A day or two afterwards, Hagen, having obtained Dean Bowen's consent, told Blodgett that the increase recommended for him next year was \$250 (later increased to \$300).

Professor Hagen did not take the question of the Florida negotiations with Blodgett to the Executive Committee of the Department. Blodgett, to be sure, did not have a complete offer from Florida when he talked to Hagen, but, in view of the near finality of the Florida approach, Hagen probably should have done that. It should be observed that a chairman of a department (as distinguished from a head) under the statutes of the University has no clear powers, by virtue of his chairmanship, to decide departmental questions of policy. He is Chairman of the Executive Committee, but in settling matters of policy, he is but one of the Executive Committee which settles them. Whatever the proper judgment on this question may be, the fact is that Hagen was criticized by various individuals for not having taken this question forthwith to the Executive Committee, and this is cited as one of the instances in which an administrative officer failed to act through proper channels.

On May 4, Blodgett informed Hagen that he had received a definite offer from Florida and that he had accepted it. News of Blodgett's action became known almost immediately. In a setting already charged with apprehension and distrust, Blodgett's leaving was fuel for the flame. Some staff members went to Hagen at once to persuade him to act to keep Blodgett here. It was reported to us that Hagen resisted this move. We were told that Hagen on that occasion said that Blodgett is incompetent. Hagen was requested by staff members to call a meeting of the staff of the Department. He is reported to have resisted that move also but, on hearing that a petition for a staff meeting was being circulated, he called a meeting. At the meeting he explained the use of the word "incompetent." He spoke particularly of Blodgett's graduate course and said that, while he did not look upon Blodgett as best-fitted to present the essential materials in that required course, he did not mean to imply that Blodgett was incompetent in a general sense. A motion was presented to the group, aimed to seek ways to keep Blodgett here; it had a note of censure in it for Hagen. The vote was 22 to 22. Another vote was called for. Professor Hagen said if this vote carried, he would look upon it as a vote of censure of himself. He also said that, regardless of the outcome of this vote, he would take the Blodgett question back to the Executive Committee. The second vote on this motion lost by a few votes. Hagen gave up the chair at this meeting and voted on the motions. Blodgett did not attend the meeting. Shortly after this meeting, the Provost declared the Blodgett negotiations closed.

Do these facts show a violation of academic freedom? There are those who contend with sincerity that they do. Our view is that they disclose not a violation of academic freedom but rather a failure in human relations and a failure in administration. On administration and human relations, we shall have more to say later.

We are sensitive to the fact that the actions taken on Professor Blodgett might, if the motivations for them were different than we conceive them to have been, show an infringement of academic freedom. As we see it, the question turns on motivation and emphasis. We find that the concern of Dean Bowen and Professor Hagen was to project the best possible program of instruction for students in economics. If we are right as to their objectives, their actions did not infringe academic freedom. We must assume that it is the responsibility of administrative officers who head educational divisions of the University to press for sound educational programs. Any other position on this question would be incompatible with ends of a university. If the officer is inept in the way he goes about accomplishing these ends, we have an administrative problem, but not one involving academic freedom. Even if he is mistaken on the contents of a sound educational program, so long as his actions are directed toward what he believes are sound educational ends, there is no violation of academic freedom. Here again, the problem is an administrative one. If, on the other hand, the motivation is the indoctrination of students with a particular point of view, as distinguished from good educational

policy, and if the administrator insists that that view be taught or insists that educational materials be withheld from students, then academic freedom is violated. The facts bearing on the situation in the Department of Economics do not support this conclusion.

What, then, are the critical facts in the Blodgett case? When Dean Bowen came to the University, Professor Blodgett occupied a strategic position in the Department of Economics. He was teaching a basic course to non-commerce students on the principles of economics, a year course on the theory of economics, required of all graduate students in economics and he was the adviser for graduate students in economics. In addition, he was teaching two courses, one for undergraduate students and the other for graduate students, on comparative economic systems. This, it would seem clear, was an overload of work, but the matter of overload was not, in the opinion of the Committee, the primary motivation for changes in Blodgett's program. Dean Bowen relieved him of his responsibilities for advising graduate students, and he was relieved of the teaching of the economic principles course and the undergraduate course in comparative economic systems. There also was a move by the Chairman of the Department to restrict his course in economic theory. What was the issue back of these actions? There was no objection to what Blodgett taught. There was agreement that what he taught should be taught and that he taught it well. The criticism by the Dean and the Chairman of the Department centered on the scope of his courses. The criticism was that he did not include in his teaching some of the important skills or analyses of economic data; that, while in charge of basic courses at both the undergraduate and graduate levels, he failed to equip his students with some of the essential skills employed in the discipline to arrive at economic facts. These, the Committee believes, are questions of educational policy, and not of academic freedom. There was no issue relative to ideologies. The question was: Did Blodgett or did he not give consideration to these skills in his courses? The Dean and the Chairman of the Department insisted that he did not. Some of the persons who came before the Committee said that he did and, indeed, insisted that he covered them adequately.

It is true that Professor Blodgett was relieved of the teaching of some courses and that he was relieved of the responsibility for advising graduate students. The Committee stresses the fact that no instructor has a vested interest in a course, nor in a position of responsibility for advising students. Educational interests are primary. When issues arise as to who should teach a course or who should advise students, a delicate administrative problem calling for high administrative skill may be involved, but the line of action is clear: If educational ends are best served through making changes in personnel, it is the responsibility of the administration to make them. We find that the actions taken by Dean Bowen and Professor Hagen in relieving Professor Blodgett of the teaching of some courses and of advising graduate students were administrative measures, and as such were aimed at improving the educational program of the Department.

There were, of course, other factors in the Blodgett case. There were charges that he was not informed relative to pending changes in his assignments, or at least not adequately consulted about them; that critical and tactless remarks were made about him; and that questions of policy were not taken through proper channels. These factors, we believe, all must be appraised in the light of their propriety as administrative actions. We conclude that the issue in the Blodgett case did not involve a question of academic freedom.

#### *Problem in Human Relations*

We have implied that the basic issue in the Department of Economics and extending into the broader context of the College of Commerce and Business Administration is one of administration. It is to be observed, however, that the situation in the Department of Economics when Dean Bowen became administrative head of the College was a critical one. He had the assignment of building up a depleted staff, depleted not only in number but in distinction. As steps were taken to execute this assignment, it was to be expected that some friction, some uneasiness and some apprehension as to their place in this changing context on



the part of staff members would arise. The Committee wishes to record its appreciation of the difficulties involved in this task. Notwithstanding, it finds that the situation now existent in the Department presents a failure in human relations. The responsibility for this failure must be shared by many individuals, but the burden of it falls on the administrative officers and particularly on Dean Bowen and Professor Hagen. The problem is one of personnel.

#### *An Appraisal*

We are sensitive to the fact that we have already gone beyond the scope of our assignment. Nevertheless, it would be unfortunate if we ended our report here, for we have perceived something which we believe merits emphasis and which holds genuine promise. We interviewed twenty individuals. They are reasonable people, frank, honest, and intelligent. These observations hold both for the older and the newer staff members. Dean Bowen and his colleagues have assembled in the Department of Economics a group of younger staff members of fine potentialities. Some have already made a place for themselves as scholars. This is not a radical group, and any impressions that it is must be allayed. As to the older men, they have achievements to their credit in teaching, scholarship, and research. It is perhaps unfortunate that the descriptive word "older" is used in relation to these individuals. Several in this classification are comparatively young men. There is full agreement in both the younger and older groups on objectives. All wish to make the Department a distinguished one—a department in which each will share in mutual pride with the others. All realize that, if they are to achieve this goal, they must learn to work together, and this, indeed, is what they want to do.

There is perhaps a misapprehension as to the schools of thought typified in these groups. There is a tendency to label the older group "conservative" and the young one "liberal." At times the word "radical" has crept in. A danger ever lurks in the use of labels. Perhaps on the whole the younger group includes more liberals than the older, but if this be true, it would not be a strange phenomenon. The fact is that there are liberal and conservative individuals in the older group, and liberals and conservatives in the younger one. As a whole, young and old, the group is predominantly conservative.

There is a divergence of views among them, but that is wholesome. Diversity in views is of the essence in a society of scholars. The ideal department in a university is one made up of strong men who approach the problems of their discipline from different angles, who are firm in their convictions, but who respect each other's views. Mutual respect and teamwork are essential. It is this atmosphere of trust and respect that now is lacking in the Department of Economics, and in a measure in the College. Except for that, this division of the University has the seeds of greatness. The staff members are well aware of the problems. In our opinion, they are anxious to bring about a happier situation. The point must be stressed, however, that if a propitious atmosphere is to become a reality, each individual involved must contribute his full share toward bringing it about, but while each must contribute to that end, the weight of the responsibility for consummating this result must fall on those who also bear the onus for the breakdown in relations: The weight of the responsibility for creating wholesome relations must fall on the Dean of the College and the Chairman of the Department. In this program Dean Bowen occupies a strategic position, and as a consequence the burden of establishing a framework of mutual trust and respect—a framework in which scholars with differing points of view can work with confidence and a feeling of security—must fall on his shoulders.

Sincerely yours,

F. WHEELER LOOMIS

FREDRICK S. STIEBERT

ALBERT J. HARNO, *Chairman*

June 22, 1950

A REPORT TO THE BOARD OF TRUSTEES ON CONDITIONS IN  
THE DEPARTMENT OF ECONOMICS AND THE COLLEGE  
OF COMMERCE AND BUSINESS ADMINISTRATION

GEORGE D. STODDARD

I

The public announcement by Professor Ralph H. Blodgett on May 8, 1950, that he had accepted a position at the University of Florida precipitated newspaper charges on the question of academic freedom. Since no charges had been submitted through channels—to the Dean, the Provost or the President's Office—the Senate Committee on Academic Freedom (representing the faculty) had no item of business before it. There was no action requested by the American Association of University Professors.

Nevertheless, the Provost, feeling that the public would be confused by repeated statements out of context, decided to appoint a fact-finding committee to report on the question of a possible violation of academic freedom in the Department of Economics. He was supported in this move by Dean Howard R. Bowen, Dean of the College of Commerce and Business Administration, who wrote (May 17th):

"Because there have been innuendoes and thinly-veiled suggestions which have cast discredit upon the Department, the College, and the University, I believe it important that such allegations be further investigated and the truth established beyond any doubt. If anything is found to be wrong, it should be corrected at once.

"I urge you, therefore, to appoint an *ad hoc* committee consisting of faculty members from various departments of the University to investigate academic freedom in the Department of Economics or any other matters pertaining to the Blodgett case, and to report to the President."

Professor F. G. Wilson, Chairman-elect of the Committee on Academic Freedom, expressed the view that the plan followed by the Provost was a good procedure.

On May 18th, this *ad hoc* group accepted the assignment. It consisted of the following members: Dean Albert J. Harno, College of Law, Chairman (on the faculty since 1921); Professor F. Wheeler Loomis, Head of the Department of Physics (on the faculty since 1929); Director Fredrick S. Siebert, School of Journalism and Communications (on the faculty since 1926). I shall identify this group as the *Fact-finding Committee on Academic Freedom in the Department of Economics* (or, the *Fact-finding Committee*).

The Fact-finding Committee went to work immediately.

On May 31st, by telephone from Florence, Italy, I issued the following statement:

"I have been fully informed by letter and telephone of the last two weeks' developments on the Illinois campus.

"The fact-gathering committee composed of Professors Harno, Loomis, and Siebert, which is investigating the situation, has my complete confidence as does also the Provost of the University. I shall give immediate attention to the committee's report when I return to Urbana the middle of June, and if there is any suggestion of infringement on the honorable and traditional rights of a teacher or on the right of students to hear a diversity of viewpoints, I shall want to consult the Senate Committee on Academic Freedom and to take whatever other action seems necessary. We have the machinery to handle problems like these, and that machinery will be used. In the midst of argument and uncertainty we must not lose sight of the goal which we all have in mind—a great university dedicated to the needs of all of the people of a great state."

The Fact-finding Committee submitted its report on June 12th. It is signed by all three members. Its work having been done—and done well, in my opinion—I have discharged the Committee, expressing thanks for its devoted and painstaking service to the University.

Its report is before us.

Let us consider, first of all, the assignment. For the reasons given above, it

was asked to inquire into a "possible violation of academic freedom in the Department of Economics."

Now *academic freedom* is not a simple, black-or-white concept. It is not a packaged commodity. It has proved troublesome since the time of Socrates. The best statement on it is the well-known "1940 Statement of Principles" of the American Association of University Professors. I quote it exactly, omitting the further statement on academic tenure which is not germane to the present controversy:

"The purpose of this statement is to promote public understanding and support of academic freedom and tenure and agreement upon procedures to assure them in colleges and universities. Institutions of higher education are conducted for the common good and not to further the interest of either the individual teacher (The word 'teacher' as used in this document is understood to include the investigator who is attached to an academic institution without teaching duties.) or the institution as a whole. The common good depends upon the free search for truth and its free exposition.

"Academic freedom is essential to these purposes and applies to both teaching and research. Freedom in research is fundamental to the advancement of truth. Academic freedom in its teaching aspect is fundamental for the protection of the rights of the teacher in teaching and of the student to freedom in learning. It carries with it duties correlative with rights.

"Tenure is a means to certain ends; specifically: (1) Freedom of teaching and research and of extra-mural activities, and (2) a sufficient degree of economic security to make the profession attractive to men and women of ability. Freedom and economic security, hence tenure, are indispensable to the success of an institution in fulfilling its obligations to its students and to society.

#### *Academic Freedom*

"(a) The teacher is entitled to full freedom in research and in the publication of the results, subject to the adequate performance of his other academic duties; but research for pecuniary return should be based upon an understanding with the authorities of the institution.

"(b) The teacher is entitled to freedom in the classroom in discussing his subject, but he should be careful not to introduce into his teaching controversial matter which has no relation to his subject. Limitations of academic freedom because of religious or other aims of the institution should be clearly stated in writing at the time of the appointment.

"(c) The college or university teacher is a citizen, a member of a learned profession, and an officer of an educational institution. When he speaks or writes as a citizen, he should be free from institutional censorship or discipline, but his special position in the community imposes special obligations. As a man of learning and an educational officer, he should remember that the public may judge his profession and his institution by his utterances. Hence he should at all times be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that he is not an institutional spokesman."

The Committee examined this question with care — and it went further, as it says, beyond its assignment, in a wholesome endeavor to probe into sources of frustration or misunderstanding in the Department and the College. It need not have done this; a less courageous group would have shunned the task! Nevertheless, I am grateful for this, for a better hearing body could not be found. To have ended their conversations with a simple determination of the prior question of academic freedom, would have been legalistically correct but otherwise unrewarding. Although the public had been led wrongly to identify the problem, a problem existed.

I shall now take up the conclusions of the Fact-finding Committee and then review them in some detail.

The basic question was, *Has there been a violation of academic freedom?* The Report gives the answer:

"The facts disclosed by all the persons were essentially the same but, with few exceptions, they were not focused on academic freedom. Some who testified found it difficult even to identify an issue on that subject."

After reviewing salient points concerning Professor Blodgett and actions related to his decision to leave Illinois, the Committee reverts to the original question:

"Do these facts show a violation of academic freedom? There are those who contend with sincerity that they do. Our view is that they disclose not a violation of academic freedom but rather a failure in human relations and a failure in administration. . . .

"We are sensitive to the fact that the actions taken on Professor Blodgett might, if the motivations for them were different than we conceive them to have been, show an infringement of academic freedom. As we see it, the question turns on motivation and emphasis. We find that the concern of Dean Bowen and Professor Hagen was to project the best possible program of instruction for students in economics. If we are right as to their objectives, their actions did not infringe academic freedom. We must assume that it is the responsibility of administrative officers who head educational divisions of the University to press for sound educational programs. Any other position on this question would be incompatible with ends of a university. If the officer is inept in the way he goes about accomplishing these ends, we have an administrative problem, but not one involving academic freedom. Even if he is mistaken on the contents of a sound educational program, so long as his actions are directed toward what he believes are sound educational ends, there is no violation of academic freedom. Here again, the problem is an administrative one. If, on the other hand, the motivation is the indoctrination of students with a particular point of view, as distinguished from good educational policy, and if the administrator insists that that view be taught or insists that educational materials be withheld from students, then academic freedom is violated. The facts bearing on the situation in the Department of Economics do not support this conclusion."

I concur in the judgment of the Fact-finding Committee with respect to a violation of academic freedom: *there has been none*. Following the AAUP definition, it can be said that:

(1) Professor Blodgett has had "full freedom in research and in the publication of the results." (That he has done little in the field of research has been a free choice on his part.)

(2) He has had "freedom in the classroom in discussing his subject."

(3) He has spoken and written as a citizen, "free from institutional censorship or discipline."

(4) In turn, he has not, to my knowledge, abused the privilege of academic freedom by "introducing into his teaching controversial matter which has no relation to his subject"; his utterances have been exemplary.

It can not be emphasized too strongly that the question of academic freedom as defined above is crucial — invested at every point with intellectual progress and with the public interest. In most faculties, as in ours, machinery exists for protecting these essential rights; national organizations are properly alert to this question. It was the loss of this right to work freely and speak freely that ruined the universities under Mussolini and Hitler — and it will ruin them under Stalin. In all free societies it is a right jealously guarded by professor and administrator alike.

As I have indicated, the Report of the Committee could have ended at this point. Lacking a complaint from an aggrieved person, lacking data to support the charges, I should not have reason to bring matters, however serious, before the Senate Committee on Academic Freedom. Therefore, as far as the issue of academic freedom is concerned, there is no business before us.

## II

A second question, also invested with the public interest, is harder to define and harder to judge. It has to do with indoctrination, particularly of indoctrination with ideas foreign to our democratic principles. At the level of communism, the problem takes shape, but I find nowhere in the Report of the Committee, or in any responsible public reference, a suggestion of such infiltration. The Department of Economics is not "red"; it is not "radical." To quote the Report:

"Dean Bowen and his colleagues have assembled in the Department of Economics a group of younger staff members of fine potentialities. Some have already

made a place for themselves as scholars. This is not a radical group, and any impressions that it is must be allayed. As to the older men, they have achievements to their credit in teaching, scholarship, and research. . . .

"There is perhaps a misapprehension as to the schools of thought typified in these groups. There is a tendency to label the older group 'conservative' and the younger one 'liberal.' At times the word 'radical' has crept in. A danger ever lurks in the use of labels. Perhaps on the whole the younger group includes more liberals than the older, but if this be true, it would not be a strange phenomenon. The fact is that there are liberal and conservative individuals in the older group, and liberals and conservatives in the younger one. As a whole, young and old, the group is predominantly conservative."

As far as the principal persons in the controversy are concerned, they all appear to be defenders of capitalism. They are not blind to its faults; they want to strengthen it against error and to protect it from the blandishments of untried social systems.

Thus Hagen in his technical writings is deeply concerned with the ways in which a capitalistic system may protect itself against the recurrent dangers of economic depression and the high cost of living (*American Economic Review*, Vol. 38, Part 2, 1948, pp. 428-429):

"But improving federal machinery is only one step. For the President and the members of Congress are not after all the men who determine public action. The basic need is the spread of understanding of these rather technical matters among the public and a wider group of its leaders and specifically among the members of those social groups, and their leaders, whose conflicts of interest must be compromised if we are to achieve successful economic action in a democratic society. Professor Hart has thoughtful suggestions to offer concerning that problem. That spread of understanding is occurring; whether or not it will occur in adequate measure is in part the responsibility of the economic profession.

"There are prophets who affirm that we will not take the necessary steps for economic stability until we have plunged into another major depression. If so, the necessary steps may be accompanied by—or replaced by—irrelevant social changes based on misconceptions of the problem, and on widely felt emotional urges to fix the blame for one's misery, to absolve oneself of a feeling of incompetence and failure, and to gain a feeling of security. How good or ill will be the resulting changes in our social system will then be in part in the laps of the gods."

Blodgett's *Principles of Economics* (Farrar & Rinehart, 1941, pp. 609-610), closes with this paragraph:

"From this point it would seem a short step to reach the conclusion that we should trade in our old capitalistic system for a new socialistic model and thus be rid of our ancient difficulties in connection with business cycles. But this is a conclusion we must examine carefully. Granted that a socialistic economic system may be able to eliminate the business cycle, it has other features which many of us would not like at all. Under socialism, freedom of enterprise for the individual would be eliminated, too, and all of us would work for the government. We could own, for the most part, only consumable goods. Wages would be our only type of money income and differences in wages would be small between occupations and industries. There would be no chance to start our careers as poor boys and end them as rich men. The beneficial and stimulating effects of competition, as well as its wastes, would be lost. With all individuals receiving relatively similar amounts of wages, it might be most difficult under socialism to induce the workers to try to develop greater efficiency or to qualify for the more responsible and exacting managerial positions in industry. It is conceivable that in the operation of a planned economy there may be many more problems and obstacles more damaging than business cycles. Regardless of the political, social, or religious aspects of socialism, it is clear that not everything would be as rosy as promised under that system. Most of us may decide that we prefer to keep, with all its faults, our capitalistic system in which, as a novelist once said, the Law, in its majestic equality, forbids the rich as well as the poor to sleep under bridges, to beg in the streets, and to steal bread."

Bowen states in *Toward Social Economy* (Rinehart & Company, Inc., 1948, p. 326):

"For example, capitalism provides highly effective motivation for individuals. It spurs them on to great personal effort in providing the goods needed by society. Also, it encourages experimentation, innovation, new ideas, and new ways of doing things. Moreover, it provides a fascinating and varied 'game' in the form of a competitive race for fame, fortune, and economic power which anyone with the wit, the courage, and the stamina can enter. Finally, capitalism is one type of economic system which has *demonstrated* that it is compatible with free political institutions. That any other system is compatible with or conducive to political freedom is a theory and not a demonstrated fact."

Perhaps the other two would join us laymen in subscribing to Bowen's final paragraph (*Ibid.*, p. 330):

"To solve our problems intelligently will require more scientific social knowledge than we now have. One can be reasonably hopeful that social scientists will be able to provide this knowledge — especially in view of the great strides in this area of study within the past generation. But in addition to knowledge, statesmanship on the part of our political leaders will be required, and also — not less important — our people must understand the issues and must learn to view these issues in terms of the broad social interest. The technical findings of social scientists are of little consequence unless there is also receptivity to the findings among the people. The great tasks of our age are to develop social science and to bring about a widespread diffusion of knowledge and understanding about social matters to the end that we may develop a free society of plenty and justice."

### III

This leaves us with a third basic question, to which the Committee devoted a substantial part of its report: Since there is apparently frustration in the Department of Economics, and perhaps in other areas of the College of Commerce and Business Administration, what are the true difficulties?

I shall take up certain general considerations first and then refer explicitly to the case of Professor Blodgett. The Fact-finding Committee states that in 1947 when Dr. Howard R. Bowen was appointed Dean of the College of Commerce and Business Administration:

"The task that confronted him and his colleagues was a critical one . . . decisions on various policies and actions relating to the affairs of the College, including advancements for members of the staff, had been held in abeyance until his arrival. He was faced, therefore, not only with matters for decision on the ongoing problems of the College but with a backlog of unsolved issues. The immediate task ahead was to build up a depleted staff and to build it well."

There has not been any divided feeling about the goal in the Department of Economics, namely, that it should become a distinguished department. The Fact-finding Committee does not go into substantive issues on this; it gives its attention largely to procedures, personnel, and administrative efficiency. I should like to say something about the merits of the question.

It is natural that the Department of Economics should, from the first, receive special attention from a new dean, for economics is a fundamental subject, not only in commerce but also in the social sciences. The Department of Economics apparently had not kept pace with other departments in the College and the University. There was in the Department a large number of young assistants. Little research was in progress. There were many decisions to be made involving staff, salaries, promotions, curricula, and joint relationships between departments. It was inevitable that some decisions would cause dissatisfaction in various staff ranks.

Dean Bowen is aware of the fears that exist in the College, and especially of the fear on the part of older staff members that they might be overlooked. Nevertheless, he points out that almost every member of the staff who was here in 1947 has been recommended for salary increases for each of three succeeding years. In terms of percentage, the salary increases for this "older" group have been larger than for new persons added to the staff. Of the fourteen members of the faculty now receiving a salary of \$8,000 or more, nine were on the staff before Dean Bowen arrived. There is no evidence to indicate that the older group is at a disadvantage in salary, rank, or rate of promotion. It is true, however, that the

Dean, the Chairman of the Department of Economics, the Director of the Business Management Service, the Director of the Bureau of Economic and Business Research, and the head of the Division of Secretarial Training have been brought in from the outside. All these appointments were carefully reviewed at the time they were made. In my opinion, the decisions were sound.

It is necessary to relate recommendations and decisions of this type to conditions that exist in the College. It is easy to misunderstand references to "inbred" conditions that obtain in certain areas of the College. The Department of Business Organization and Operation furnishes the outstanding example. The table below shows the percentage of staff members of the rank of assistant professor or above who have had their terminal degrees from the University of Illinois:

Accountancy	93%
Marketing	62%
Management	75%
Secretarial Training	50%
Business Law	100%
All divisions	81%

The bringing in of men from the outside in some of these areas can scarcely be regarded as an attempt to replace the old by the new; rather, what we have had is a near monopoly enjoyed by Illinois professors and their students. Dean Bowen's statement to me in regard to this is reassuring:

"However, we should not be dogmatic or inflexible on the subject of inbreeding. I believe that we should get the best possible man for each vacancy that arises. If the best man is now on the staff or if he holds degrees from Illinois, he should not be discriminated against merely because of his Illinois connections. If anything, this should be an argument in his favor in the sense that we would prefer a member of the family and a person we know to an outsider."

In any case, I have found no evidence that political views have had anything to do with appointments or promotions in the Department of Economics or elsewhere in the College. In times of hot and cold wars, in which the Government of the United States is deeply involved, it is inevitable that some of the best men would come to us after a season of Government service. Such men would have worked for the Government as a patriotic contribution, regardless of what political party was in power. The economic and financial problems of the United States dominate the whole Western World. The technical assistance on these problems rendered by many of our staff members is to their credit. These men are as independent in their thinking, writing, and theorizing as are men in the field of chemistry, engineering, or agriculture. Nowhere have I found evidence of devotion to a particular dogma, theory, or person without reference to the merits of the case.

In view of Dean Bowen's special competence in economics and finance and of his intention to build up this basic area, it has sometimes been said that he is not paying sufficient attention to the professional aspects of education for business. I believe there is little substance to such complaints. We have a new curriculum in secretarial training; there is a proposal by Dean Bowen that finance be made a separate division of the Department of Economics in order to give better professional education for financial occupations; there are proposals for new professional curricula in statistics, insurance, advertising, and merchandising and there is a steady attention to improvements in the programs in accountancy, marketing, management, and industrial administration.

#### IV

Finally, what are the special troubles that center in the case of Professor Blodgett?

There is no need to repeat here the detailed notes presented in the Report of the Fact-finding Committee. The question is not one of academic freedom; it is not, at root, a matter of conflicting ideologies. We come rather to a discussion (a) of the quality of certain administrative judgments and (b) of the propriety of certain procedures. All these must be judged on their merits and in the light of the statement, unanimously accepted, "that the goal should be a distinguished department."

With respect to the case of Professor Blodgett, it is clear:

(1) That his academic freedom has not been impaired. (See the first part of my report.)

(2) That differences in ideology between him and administrative officers, if they exist, are not involved. (See the second part of my report.)

(3) That his responsibility for graduate teaching and research supervision had been reduced. (In view of the growth of the Department and of Professor Blodgett's major interest in textbooks and general economics, I would approve this change.)

(4) That his salary has not been adversely affected by recent events. (This is shown by the following facts:

<i>Professor Blodgett</i>	
<i>Academic Year</i>	<i>Salary</i>
1945	\$5,000
1946	5,000 (adjusted to \$5,800, 2/27/47)
1947	7,000
1948	7,250
1949	7,500
1950	7,800 (recommended by Dean Bowen)

Professor Blodgett's Florida offer apparently was slightly higher, but not significantly so in view of dislocation expenses and a possible loss in retirement funds.)

(5) That Professor Hagen probably erred in not sharing with the Executive Committee of the Department Professor Blodgett's first indication of an interest in going to the University of Florida.

The word, "probably," is used advisedly here, as no doubt it was in the Report of the Fact-finding Committee. Normally there would be another opportunity for discussion when the Florida offer was clarified. When, as the Report states, "on May 4, Blodgett informed Hagen that he had received a definite offer from Florida and that he had accepted it," there was, in fact, no need to go further. At that time, Professor Blodgett had entered into a contract with the University of Florida, as was his privilege. Hence the subsequent staff meeting, while of interest, was not of consequence in the matter of retaining Professor Blodgett. Professor Blodgett was already under contract to serve elsewhere. (That is precisely what is meant by "accepting an offer.") The motion in the staff meeting, therefore, must have been somewhat involved, for it included the taking of steps to keep Professor Blodgett and a "note of censure" for Professor Hagen. It lost by a vote of 25-19.

(6) That clarification is needed with respect to the duties of the chairman of a department. (The University Statutes say:

"(d) In each department organized with a chairman, there shall be an executive committee composed of men of the rank of assistant professor or above, elected annually by the voting members of the department. The chairman of the department shall be *ex-officio* a member and the chairman of this committee. The chairman and the executive committee shall be responsible for the preparation of the budget and for such matters as may be delegated to them by the voting faculty of the department. In a department which has a voting faculty of five members or fewer the executive committee shall consist of all persons of the rank of assistant professor or above.

"(e) In each department organized with a chairman, that officer shall be responsible for the formulation and execution of departmental policies and the execution of university and college policies in so far as they affect the department; he shall have power to act independently in such matters as are delegated to him by the executive committee; he shall report on the teaching and research of the department; he shall have general oversight of the work of students in the department; he shall collaborate with the executive committee in the preparation of the budget and be responsible for the expenditure of departmental funds for the purposes approved by the executive committee; he shall have general charge of departmental property; and he shall call and preside over all meetings of the department and of the executive committee. The chairman together with the executive committee shall be responsible for the organization of the work of the department, and for the quality and efficient progress of that work.



"(f) In the administration of his office the chairman shall recognize the individual responsibility of other members of the department for the discharge of the duties committed to them by their appointments, and shall allow proper scope to the ability and initiative of all members of the department.")

This means that the Chairman has genuine responsibilities, but their extent, like the powers of the executive committee, will vary with the actions of the voting faculty. In any case, I feel that Professor Hagen will need to study this matter, as will Dean Bowen, as an indicated move toward wholesome relations among all concerned.

I am unable to take seriously the implications concerning a choice of textbooks. Very likely I am revealing a prejudice in this regard. It occurs to me that no professor should insist upon having his textbooks adopted by other professors, or in any course in the department. I find no evidence that Professor Blodgett himself raised this question. A professor who writes a textbook is vulnerable with respect to any requirement that it be used in his classes or in the classes of his colleagues. Such decisions are, of course, best made by other persons.

## V

It should be repeated that the real test of progress in the Department and the College will come from external sources. What is their position in the academic world with respect to instruction, research, and public service? Many persons have remarked upon the high quality of the instruction in economics. The research studies constitute a steady stream; they are impressive. Also, advanced students in economics are turning toward the University of Illinois. From Dr. Louis N. Ridenour, Dean of the Graduate College, I have secured the following data:

### *Fellowship Applications*

<i>Year</i>	<i>University</i>	<i>Department of Economics</i>
1949	756	20
1950	1172 (55% increase)	78 (290% increase)

As Dean Ridenour says, "Graduating seniors usually follow the advice of their professors in deciding where to send their applications for graduate fellowships. The best institutions, and the best departments within those institutions, get the largest number of applicants."

The chief public service is in the education of young people at all levels from the first year of college to the doctorate. In addition, as noted above, various branches of the College of Commerce and Business Administration, as never before, are entering vigorously into programs that give immediate assistance to business and industry in Illinois.

In summary, I agree in principle with the final words of the Fact-finding Committee—Dean Bowen occupies the strategic position in amalgamating the diverse forces and points of view in the College, within a "framework of mutual trust and respect." To my way of thinking, the word, *mutual*, is important. It calls for a new attempt at understanding on the part of staff members who may have been disaffected, and for renewed attempts on the part of the Dean. Moreover, it calls for a further effort on the part of the Provost and myself to evaluate decisions and procedures in order that progress may be achieved in an atmosphere conducive to personal growth for everyone.

There is no growth without struggle and a certain amount of pain. The University of Illinois is a healthy, growing institution. It is young in years and still younger in its realization of the vast potentials of wealth and human resources given to the great State of which it is a part.

The University has a place of residence—indeed, several places. It tries to be a good neighbor in the local community, but it is not a local enterprise. Every farm, village, town, and city in Illinois has a stake in the University. As a community of teachers, researchers, and public workers, the University reaches out to meet standards unrelated to political boundaries. The study of atomic energy, for example, tends to ignore geography and to point our efforts to the future. For the University of Illinois, as I envisage it, backed by the Board of Trustees and leaders in the various branches of the State government, these standards must be of the highest. Our concern is with the talent and the promise of youth and we can do no less.