MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

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.
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.)
George Edward Dell (Mo.)
Harry Benford Fry (Mass.)
Julius Joel Gotlieb (Calif.)
Harrison Henry Halbe (Mo.)
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.


CLINTON BUSB, 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, 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 $5,500.

6. JOHN W. MARX, Assistant Professor of Physical Metallurgy, beginning September 1, 1950, at an annual salary of $4,500.

7. EDWARD F. MOORE, Assistant Professor of Mathematics (Graduate College), beginning September 1, 1950, at an annual salary of $4,200.

8. MELT 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.

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.


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 180 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).

Release No. 31

“For Contingencies to Cover Expenditures for Purposes for which the Amount Appropriated in any Item Above Enumerated is, or becomes Insufficient”

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

Total .................................................................................. $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, and 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 ........................... 90.50

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.
Period Ending: 3/19/50 3/26/50 4/2/50
Tonnage .................................. 731.25 1794.65 2061.30

Guaranteed Actual Actual
Moisture .................... 11.7% 13.4% 13.25% 13.7%
Ash (moisture free)........ 8.7%±1% 9.45% 9.46% 8.7%
Sulfur (moisture free)..... 2.8%±1% 3.18% 3.17% 3.06%
B.T.U./lb. (moisture free) 13,150±2% 13,018 13,113 13,318
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

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:

<table>
<thead>
<tr>
<th>Buying Period</th>
<th>Number</th>
<th>Kind</th>
<th>Average Weight (pounds)</th>
<th>Price per Hundred Pounds</th>
<th>Total Cost</th>
<th>University Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>August........</td>
<td>50</td>
<td>Steer Calves</td>
<td>425 at $10 00</td>
<td>$6 375 00</td>
<td>$3 187 50</td>
<td>$5 987 50</td>
</tr>
<tr>
<td>August-September</td>
<td>50</td>
<td>Heifer Calves</td>
<td>400 at $20 00</td>
<td>$5 600 00</td>
<td>$2 800 00</td>
<td>$2 800 00</td>
</tr>
<tr>
<td>Total..........</td>
<td>100</td>
<td></td>
<td></td>
<td>$11 975 00</td>
<td>$3 987 50</td>
<td>$5 987 50</td>
</tr>
<tr>
<td>August-September</td>
<td>50</td>
<td>Steer Calves</td>
<td>425 at $10 00</td>
<td>$6 375 00</td>
<td>$3 187 50</td>
<td>$5 987 50</td>
</tr>
<tr>
<td>October-December</td>
<td>25</td>
<td>Heifer Calves</td>
<td>660 at $20 25</td>
<td>$6 331 25</td>
<td>$2 315 62</td>
<td>$2 578 12</td>
</tr>
<tr>
<td>Total..........</td>
<td>100</td>
<td></td>
<td></td>
<td>$16 506 25</td>
<td>$8 253 12</td>
<td>$28 578 12</td>
</tr>
<tr>
<td>Total, All Farms</td>
<td>385</td>
<td></td>
<td></td>
<td>$57 156 25</td>
<td>$28 578 12</td>
<td>$28 578 12</td>
</tr>
</tbody>
</table>

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

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 Muñoz 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 3 1/4¢ 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 $16 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
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 (2/3) (Dentistry), five months beginning April 1, 1950, $300 a month (5-22-50).

BENDER, COLEMAN C., Instructor, Speech (1/3), 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 (6-18-50).

BLOMQUIST, A., Instructor, Zoology (Pharmacy), academic year beginning September 1, 1950, $3000 (3-18-50).

BLYTH, COLIN R., Assistant Professor, Mathematics, academic year beginning September 1, 1950, $4500 (5-18-50).

BLOOMFIELD, 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).

CAIN, STEWART S., Professor, Mathematics (Graduate College) (3/4), three months beginning June 1, 1950, $1400, in addition to present appointment (6-1-50).

CAPIRON, 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).

COB, MRS MARY M., Social Sciences (Undergraduate Division in Chicago), Summer Session, 1950, eight weeks beginning June 26, 1950, $845, supersedes (6-15-50).

DIECKAMP, H. M., Research Assistant, Physics (C), one year beginning September 1, 1950, $3240 (5-24-50).

EVISON, TILDEN C., Clinical Instructor, Surgery (Medicine), five months beginning April 1, 1950, without salary, supersedes (5-18-50).

FALZ, 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, $250 (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).

FLABY, BETTY J., Personnel Technician, Student Counseling Bureau, three months beginning June 16, 1950, $350 a month (5-22-50).

FLABY, BETTY J., Personnel Technician, Student Counseling Bureau, three months beginning June 16, 1950, $233.33 a month (6-8-50).

FULLER, JOSEPH A., Research Associate, Chemistry (Graduate College), June 15-August 31, 1950, $654.65 (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, $6000, superseded (5-18-50).

Kirkpatrick, Mrs. Alice C., Research Assistant, Bureau of Economic and Business Research, two months beginning July 1, 1950, $100 a month (6-16-50).

Ludwig, Merritt C., Research Assistant, Institute of Communications Research (S), one year beginning September 1, 1950, $1800 (5-18-50).

Luecking, Evelyn M., Research Assistant, Bureau of Research and Service (S), three months beginning June 1, 1950, $116.67 a month (5-22-50).

Marcus, Paul M., Research Assistant Professor, Physics (C), one year 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).

Marcus, John W., Assistant Professor, Physical Metallurgy (Mining and Metallurgical Engineering) (C), one year beginning September 1, 1950, $4000 (5-8-50).


McPherson, Frances, Assistant, Physical Education for Women, nine months beginning September 16, 1950, $900 a year (6-1-50).

Meduna, Ladislas J., Professor, Psychiatry (Medicine), indefinite tenure beginning March 15, 1950, $7350 a year, superseded (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).

Mikołajczyk, H. L., Architecture (Undergraduate Division in Chicago), Summer Session of 1950 (S), eight weeks beginning June 26, 1950, $334 (6-15-50).

Mullaney, James T., Lecturer, Legal Medicine (Criminology and Legal Medicine) (Medicine), three months beginning April 1, 1950, $300 (5-18-50).

Olsen, 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).

Pearson, 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 (S), June 23-August 19, 1950, $439 (6-7-50).

Purnell, 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 (S), and Instructor, Journalism (S), 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).

SCHULTZ, R. E., Instructor, Education (Division of Teacher Placement) (Education), one year beginning September 1, 1950, $400 (5-18-50).

SHAPIN, THEODORE, Jr., Research Assistant, Electronic Digital Computer (Graduate College), June 15, 1950-August 31, 1951, $3720 a year, sucribeds (6-13-50).

SHAPIRO, M. D., Research Assistant, Electronic Digital Computer (Graduate College), July 1, 1950-August 31, 1951, $480 a year, sucribeds (6-13-50).

SHAPIN, K. G., Art (Undergraduate Division in Chicago), Summer Session of 1950, eight weeks beginning June 26, 1950, $919 (6-15-50).

SLIFKIE, L. J., 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, sucribeds (5-22-50).

STERN, HARRIET R., Laboratory Assistant, Entomology (Graduate College), three months beginning June 1, 1950, $600, sucribeds (6-16-50).

VEINUS, ABRAHAM, Music, Summer Session of 1950, June 23-August 19, 1950, $1200 (6-7-50).

VIET, IVAN, Research Associate, Theoretical and Applied Mechanics (S) ( ), one year beginning June 10, 1950, $2100, sucribeds (6-15-50).

VON FESTER, HEINZ M., Research Associate Professor, Electrical Engineering (C), four months beginning May 1, 1950, $583-33 a month, sucribeds (6-26-50).

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, M. 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, $3500 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).

ZAGOL, STANLEY, Assistant, Institute of Labor and Industrial Relations, two months beginning July 1, 1950, $266.66 a month, sucribeds (6-16-50).

GRADUATE FELLOWS

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

BHATTACHARJEE, JYOTTI, Booth Fellow, Agricultural Economics, one year beginning February 1, 1950, $1500, sucribeds (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, $1045 (6-7-50).

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, SUDHIR, 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.


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.

BUCKETT, NORMA L., Instructor, Mechanical Engineering (C) — resignation effective 8-31-50.

CROFT, MARJORIE L, Instructor, Mathematics (Undergraduate Division in Chicago) — resignation effective 8-31-50.

DEASON, H. E., Instructor, Agricultural 4-H Club Work (E) — resignation effective 9-1-50.

DRELL, SIEBEY effective D., Special Research Associate, Physics (S) — resignation 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.

GALPIN, AUBREY, English, Summer Session of 1950 — declination effective 6-23-50.

GREENBERG, RICHARD A., E. R. Squibb and Sons Fellow, Bacteriology — resignation effective 6-11-50.

GREENWELL, BENJAMIN E., Upjohn Company Fellow, Chemistry — resignation effective 8-31-50.

GRIMELLI, LUCY 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.
KARPIŃSKI, R. W., Physical Sciences (Undergraduate Division in Chicago), Summer Session of 1950 — resignation effective 6-26-50.
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.
LARSON, R. F., Mechanical Engineering, Summer Session of 1950 — resignation effective 6-23-50.
MARQUIN, ALEJANDRO D., Instructor, Spanish — resignation effective 9-1-50.
MATTHEWS, EDITH, Nursery School (Division of Special Services for War Veterans), Summer Session of 1950 — resignation effective 6-23-50.
McGRATH, G. D., Associate Professor, Education, Director, Teacher Education (Education), and Associate Professor, Education (E), and Assistant Coordinator, 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 — resignation effective 6-26-50.
POLL, JOHN F., Research Fellow, Toxicology (Medicine) — resignation effective 6-1-50.
RICHARDSON, J. F., Art (Undergraduate Division in Chicago), Summer Session of 1950 — resignation effective 6-26-50.
SILIN, JACQUELINE, Fellow, Psychology — resignation effective 5-16-50.
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 — resignation effective 9-1-50.
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.
McCLURE, 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:**

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<tr>
<th>Degree</th>
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<tr>
<td>Doctor of Philosophy</td>
<td>93</td>
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<td>Doctor of Education</td>
<td>3</td>
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<td>Civil Engineer</td>
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<td>Electrical Engineer</td>
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<td>Master of Education</td>
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<td>Master of Social Work</td>
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<td>Master of Arts</td>
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<td>Master of Science</td>
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</tr>
<tr>
<td>Master of Fine Arts</td>
<td>5</td>
</tr>
<tr>
<td>Master of Music</td>
<td>1</td>
</tr>
</tbody>
</table>

*Total, Graduate College: 684*

**Degrees in Law, conferred at Urbana:**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Conferred</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science</td>
<td>16</td>
</tr>
<tr>
<td>Bachelor of Laws</td>
<td>30</td>
</tr>
<tr>
<td>Doctor of Law</td>
<td>8</td>
</tr>
</tbody>
</table>

*Total, Law: 60*

**Baccalaureate Degrees, conferred at Urbana:**

<table>
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<th>Degree</th>
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<tbody>
<tr>
<td>Bachelor of Science, College of Agriculture</td>
<td>282</td>
</tr>
<tr>
<td>Bachelor of Science, College of Engineering</td>
<td>614</td>
</tr>
<tr>
<td>Bachelor of Science, College of Liberal Arts and Sciences</td>
<td>403</td>
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<tr>
<td>Bachelor of Science, College of Liberal Arts and Sciences</td>
<td>340</td>
</tr>
<tr>
<td>Bachelor of Science, Library School</td>
<td>11</td>
</tr>
<tr>
<td>Bachelor of Science, College of Education</td>
<td>125</td>
</tr>
<tr>
<td>Bachelor of Science, College of Commerce and Business Administration</td>
<td>419</td>
</tr>
<tr>
<td>Bachelor of Science, School of Journalism and Communications</td>
<td>135</td>
</tr>
<tr>
<td>Bachelor of Science, College of Fine and Applied Arts</td>
<td>151</td>
</tr>
<tr>
<td>Bachelor of Fine Arts, College of Fine and Applied Arts</td>
<td>56</td>
</tr>
<tr>
<td>Bachelor of Music, College of Fine and Applied Arts</td>
<td>5</td>
</tr>
<tr>
<td>Bachelor of Science, School of Physical Education</td>
<td>64</td>
</tr>
<tr>
<td>Bachelor of Science, Division of Special Services for War Veterans</td>
<td>378</td>
</tr>
<tr>
<td>Bachelor of Science, College of Veterinary Medicine</td>
<td>24</td>
</tr>
</tbody>
</table>

*Total, Baccalaureate Degrees: 3,037*

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

**Degrees in Dentistry, conferred in Chicago:**

<table>
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<tr>
<th>Degree</th>
<th>Conferred</th>
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<tbody>
<tr>
<td>Bachelor of Science in Dentistry</td>
<td>18</td>
</tr>
<tr>
<td>Doctor of Dental Surgery</td>
<td>54</td>
</tr>
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</table>

*Total, Dentistry: 72*

**Degrees in Medicine, conferred in Chicago:**

<table>
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<th>Degree</th>
<th>Conferred</th>
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<tbody>
<tr>
<td>Bachelor of Science in Medicine</td>
<td>27</td>
</tr>
<tr>
<td>Bachelor of Science in Occupational Therapy</td>
<td>14</td>
</tr>
<tr>
<td>Doctor of Medicine</td>
<td>158</td>
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</table>

*Total, Medicine: 199*

**Degrees in Nursing, conferred in Chicago:**

<table>
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<th>Degree</th>
<th>Conferred</th>
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<tbody>
<tr>
<td>Diplomas in Nurse Training</td>
<td>(18)</td>
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<tr>
<td>Bachelor of Science in Nursing</td>
<td>1</td>
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</tbody>
</table>

**Degrees in Pharmacy, conferred in Chicago:**

<table>
<thead>
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<th>Degree</th>
<th>Conferred</th>
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</thead>
<tbody>
<tr>
<td>Bachelor of Science in Pharmacy</td>
<td>84</td>
</tr>
</tbody>
</table>

**Degrees in the Graduate College, conferred in Chicago:**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Conferred</th>
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</thead>
<tbody>
<tr>
<td>Doctor of Philosophy</td>
<td>5</td>
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<tr>
<td>Master of Science</td>
<td>36</td>
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</tbody>
</table>

*Total, Graduate College: 41*

*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 TOOHEY, B.S., M.S., University of Washington, 1945, 1946

In Chemistry

ARNOLD HENRY ANDERECK, A.B., Montana State University, 1940
JOHN LYNN 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 DOMINIC 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 HENEGAN, A.B., Illinois College, 1946
HAROLD WAYNE HILL, Jr., A.B., James Millikin University, 1947; M.S., 1948
CLAUDE RAY HUDGINS, B.S., Southern Illinois University, 1947
ALEX KOTCH, Jr., B.S., M.S., Pennsylvania State College, 1946, 1947
GION 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
SAMPLER 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. Kanlionsschule, 1946; M.S.,
1948
NORMAN ROSS SCOTT, B.S., M.S., Massachusetts Institute of Technology, 1941,
1941
HARRY JAMES VENEMA, B.S., M.S., 1949, 1947

In English
GISSON 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, 1920
WALTER STAAXS, A.B., Swarthmore College, 1937; A.M., University of Cali-
ifornia, 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 BREYMMANN, 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
Hameeddadin Majiddin 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
Selmer Martin Johnson, A.B., A.M., University of Minnesota, 1938, 1940
Ke-chian 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 Wolflcy 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
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
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 EOE 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 MOODY 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 BUO 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 BRALL, 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
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., 1938
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, 1938
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., 1940
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 Lindwall, A.B., Augustana College, 1947
E. Alberta Magnusson, A.B., 1925
Arthur Fremont Mathiesen, 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
Glady Mayriah 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, 1930
Mercedes Maria Vargas, Profesora, Unversity of Panama, 1946
Harold David Voyles, A.B., Shurtleff College, 1946
Lewis Warren Waddy, B.S., West Virginia State College, 1947
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 GARL, 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 McDouGle, A.B., Smith College, 1947
ANDER MOSES POSTOL, A.B., 1949

In Geology

DEWEY HAROLD AMOS, B.S., Marietta College, 1949
Jack MINROD 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 DI SANTO, 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 GINDOS, 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, Colegio 2ª Ensenanza, 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
EILEEN 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 KERS, 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 MATYSIAK, 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 Guthier, B.S., 1949
Lynn Goechey 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 Homam 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 Menolasingo, 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
Shriram Krishna 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
VARTHAKAVI KRISHNA MOORTHY, B.S., M.S., Andhra University, 1944, 1946

In Chemical Engineering
SATYESHCHANDRA B.S., M.S., Calcutta University, 1943, 1945
ELEUTHERIOUS 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 NOLAK, 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 GOETSCHE, 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 BENMUHVAR, B.S., Robert College, 1944
JAMES ROBERT BISSETT, B.S., University of Texas, 1941
SAI-PAC 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
MIZAFFER GOCEK, B.S., 1949
MATTHIAS 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 MANITAS, 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 Waggoner, Jr., B.S., United States Military Academy, 1946
James Dansby Wall, B.S., University of Mississippi, 1943
Donald Joseph Wolf, B.S., United States Military Academy, 1945
Apostol Yanoğlu, B.S., Robert College, 1948

In Clinical Psychology
Charles Lewis Baldwin, A.B., DePauw University, 1947
Edward Sidney Epstein, B.S., 1947
Betty Jane Flapp, 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 Przywieszny, 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 Astrophy, B.S., 1942
Claude William Baker, B.S., 1949
John Robert Bartley, Jr., B.S., 1948
Delisia Beasley, B.S., Southern Illinois University, 1947
Russell Edward Benway, B.S., Illinois State Normal University, 1947
Douglas Blakeley, B.S., Illinois State Normal University, 1947
Beatrice Jordan Booth, B.S., Alcorn Agricultural and Mechanical College, 1947
Sidney Selvin Booth, 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
Sherrell Eugene Campbell, B.S., Southern Illinois University, 1940
Robert Lee Cavitt, B.S., 1949
Lawrence Clark Christopher, B.Ed., Eastern Illinois State College, 1940
Wilma Dean Cohnmeyer, 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
<table>
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<tr>
<th>Name</th>
<th>Degree</th>
<th>Year</th>
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<tr>
<td>John Richard Doherty</td>
<td>B.S.</td>
<td>1949</td>
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<td>Major Drake</td>
<td>B.S.</td>
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<td>Newton Kenneth Drummond</td>
<td>B.Ed.</td>
<td>1941</td>
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<td>William Raymond Duke</td>
<td>B.S.</td>
<td>1947</td>
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<td>Merrill Thomas Dunn</td>
<td>B.Ed.</td>
<td>1939</td>
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<td>James Junior Easley</td>
<td>B.S.</td>
<td>1949</td>
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<td>Albert Henry Eckert</td>
<td>B.S.</td>
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<td>John Hoffman Eggleston</td>
<td>B.S.</td>
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<td>B.S.</td>
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<td>Orval Cleo Floyd</td>
<td>B.S.</td>
<td>1938</td>
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<td>Charles Leland Galbraith</td>
<td>B.S.</td>
<td>1945</td>
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<td>Russell Burnett Geist</td>
<td>B.S.</td>
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<td>John Mario Geninatti</td>
<td>B.S.</td>
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<td>Juanita Greene Gilmore</td>
<td>B.S.</td>
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<td>Waldo Grigoroff</td>
<td>B.S.</td>
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<td>Evelyn Auditha Grimes</td>
<td>B.S.</td>
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<td>Ralph Ambrose Guthrie</td>
<td>B.S.</td>
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<td>Albert Leander Hall, Jr.</td>
<td>B.S.</td>
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<td>Fred Elroy Harvey</td>
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<td>B.S.</td>
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<td>Richard Earle Hulet</td>
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<td>Alice Elizabeth Hyde</td>
<td>B.S.</td>
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<td>Jacqueline Quigley Karch</td>
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<td>Earl Robert Kogen</td>
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<td>Dorothy LeQuatte</td>
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<td>Patricia Laura Macy</td>
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<td>William Joseph Manning</td>
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<td>Harold Eugene Rankin</td>
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<td>Willis Calvert Rardin, Jr.</td>
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<td>John Milton Strahl</td>
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<td>Arnold Maertzold Taube</td>
<td>A.B.</td>
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<td>Richard Martin Thompson</td>
<td>B.S.</td>
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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 Weppner Erdman, B.S., 1946
George Paul Riccio, B.S., 1949
Barbara Jane Stesard, 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
Lloyd Orlando Brown, Jr., B.E.E., Ohio State University, 1943
Donald Ray Burgener, B.S., 1949
Kay Neil Burs, 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 Dashier, B.S., 1949
Douglas Liep 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 Kvitik, 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 DESAN SMITH, Jr., B.S., 1949
TALMAGE EUGENE SOLLNERGAR, 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
LETTE 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, 1950
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, 1940
GENEVIENE 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
CHU 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 HONG, 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 ABONCZYK, 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 TIMBOLO 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 DUPHOUR, 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 GRISSAMORE, B.S., 1948
JAMES WERN 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 MURROE, 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 DISENENS, 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., 1949

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 LANGELER, B.S., Elmhurst College, 1949
CLARENCE FRANCIS MATHEN, B.S., North Central College, 1949
KENNETH SPENCER STOKH, 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 SPANKEL, B.S., Southern Illinois University, 1949
VIRGINIA VOGELSANG, B.S., Illinois Wesleyan University, 1949
### In Theoretical and Applied Mechanics

<table>
<thead>
<tr>
<th>Name</th>
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<th>Year</th>
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<tbody>
<tr>
<td>CHER-TYAN CHANG</td>
<td>National Chiao Tung University</td>
<td>1943</td>
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<tr>
<td>WALTER SANFORD HYLER</td>
<td>Rensselaer Polytechnic Institute</td>
<td>1948</td>
</tr>
<tr>
<td>TRAVIS CARL JAMES</td>
<td></td>
<td>1949</td>
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<tr>
<td>WILLIAM BURTON SANDERS, Jr.</td>
<td>Purdue University</td>
<td>1938</td>
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<tr>
<td>MONTGOMERIE CHRISTIE STEELE</td>
<td>Glasgow University</td>
<td>1944</td>
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<tr>
<td>HARRY Rohlfs WETENKAMP</td>
<td></td>
<td>1942</td>
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### In Vocational Agriculture

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>ELLERY LOUIS KNake</td>
<td>1949</td>
</tr>
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<td>RICHARD EARL PARETT</td>
<td>1949</td>
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### In Zoology

<table>
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<tr>
<th>Name</th>
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<th>Year</th>
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<tbody>
<tr>
<td>ROBERT BRETON CHiasson</td>
<td>Illinois College</td>
<td>1949</td>
</tr>
<tr>
<td>JOSEPH MICHAEL Dymit, Jr.</td>
<td></td>
<td>1949</td>
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<tr>
<td>MARSHALL BLACKWELL Eyster</td>
<td>University of Chicago</td>
<td>1945</td>
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<tr>
<td>PAUL William frankenstein</td>
<td>Stanford University</td>
<td>1948</td>
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<tr>
<td>LOTTIE OWEN Harvey</td>
<td>Southern Illinois University</td>
<td>1946</td>
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<td>LOUIS HILDEBRAND</td>
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<td>1949</td>
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<tr>
<td>IRENE VERA Hoelzel</td>
<td></td>
<td>1947</td>
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<tr>
<td>EDWARD BRUCE Holmes</td>
<td>Kansas State Teachers College</td>
<td>1948</td>
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<tr>
<td>ROBERT WILLIUM Hull</td>
<td></td>
<td>1949</td>
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<tr>
<td>STEPHEN EVERETT McPherson</td>
<td>Southern University (Baton Rouge)</td>
<td>1949</td>
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<tr>
<td>MABEL CLARK Paterson</td>
<td>Southern Illinois University</td>
<td>1948</td>
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<tr>
<td>MARTIN Sacks</td>
<td>College of the City of New York</td>
<td>1949</td>
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<tr>
<td>BERNARD Seskind</td>
<td>Central Y.M.C.A. College</td>
<td>1942; M.S., DePaul University, 1945</td>
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<tr>
<td>ROBERT Kendrick Stubbs</td>
<td></td>
<td>1948</td>
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<tr>
<td>EDWARD Arthur tehle, Jr.</td>
<td>North Central College</td>
<td>1949</td>
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### Degree of Master of Fine Arts

### In Art Education

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>GLENN RAYMOND Bradshaw</td>
<td>Illinois State Normal University</td>
<td>1947</td>
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### In Painting

<table>
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<tr>
<th>Name</th>
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<tr>
<td>JAMES George Jameson</td>
<td>Washington University</td>
<td>1949</td>
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<tr>
<td>Leon Morgenstern</td>
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<tr>
<td>WILLIAM Todd Moses</td>
<td></td>
<td>1939</td>
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<tr>
<td>LEOPOLD Bernard Segedin</td>
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<td>1948</td>
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### Degree of Master of Music

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>DAVID JONES Bowen</td>
<td>1948</td>
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### COLLEGE OF LAW

### Degree of Bachelor of Science

### In Law

<table>
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<th>Name</th>
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<tr>
<td>MYRON ABERMAN ASH</td>
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<tr>
<td>FREDERICK ROBERT BRISTOL</td>
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<td>FRANKLIN Hays Byers</td>
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<td>PERRY Gus Callas</td>
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<td>KEITH Eugene Campbell</td>
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<td>RICHARD Eugene Gillan</td>
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<td>MORTON Alexander Gordon</td>
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<td>ROBERT Louis Hanson</td>
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<td>Fred John Kannmacher</td>
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<td>Harrison Howard Kavensky</td>
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<td>Carl Wesley Lee</td>
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<td>Raymond Lester Lee, Jr.</td>
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<td>John Elwood Popham</td>
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<td>James Kent Robinson</td>
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<td>Lloyd Arnold Tholen</td>
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</table>
Degree of Bachelor of Laws

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

Degree of Doctor of Law

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

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

JOHN RODNEY ABBOTT  
DONALD JUDSON ADAIR, with High Honors  
JOHN S. ALIN, with Honors  
MALCOLM HERBERT ALEXANDER  
HAROLD CARL ALVIN  
HAROLD CHARLES ATTERBEY  
LAUREN DALE BERGER  
CLARENCE ARTHUR BEZIO  
FRANK AUSTIN BIRCH  
CLARENCE ALLEN BOHLEBER  
ALBION DANA BRACKETT, JR., with Honors  
ROBERT WARREN BRADEN, with Honors  
JOHN LAYTON BRADLEY  
HOWARD OSCAR BRAMBL  
ERNIE EDWIN BRISCHKE  
CARL WAYNE BRUSH  
DONALD LEON BUCKLEW  
RALPH DELOS BUSWELL  
WILLIAM MARTIN CAMPBELL  
RAYMOND CHARLES CANTIK  
SHERMAN QUINTEN CASE  
GEORGE HERBERT CAYWOOD  
ROGER KEITH CAYWOOD  
BRUCE ALBERT CERLING  
CATHERINE MARY CHRISTIE  
JOHN RAY CLINE, with Highest Honors  
DONALD EVERETT CODE  
JOHN ROBERT CORNEILLE, with Honors  
WILLIAM FINLEY CORRIE  
ROBERT EARL CRAFT  
CHARLES HOWARD CRATZ  
JOHN WILLIAM CURRY, with Highest Honors  
DON B. DAVIS  
JOHN WILLIAM DETROY  
MARCEL HERBERT DE WAELLE  
BILLY BOB DRAKE  
ROBERT PHILIP DRIVER  
JAMES DESMOND DUNN  
PHILIP ELSWORTH EGGLESTON  
SCOTT DONALD ERICKSON, with Honors  
RICHARD KARLTON EUBANKS  
ARTHUR PAUL EYMANN  
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 Hurubant
James Lex Humphreys
Ralph Matthias Hunter
Hugh Alden Hunt
Wallace Wolfever Hutchinson
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 Frederick Jording
Roland Robert Kane
Louis Aaron Kawsch
John Fletcher Keeney, with Honors
Fred John Killam, with Honors
Abdell Wright Kimmel
Edward Maurice Kimmelshue
William Kirchhoefer, 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 MacKinnon
Harold Kay Main
Donald Ross Mann, with Honors
Charles Elvin Martin, with Honors
William Merritt Martine
Perry Wheeler McClelland
Horace Richard McCulloch
Janes Gerald Mccurdy
Charles Hannah McKee, with High Honors
John David McNaughton
Everett Henry Meyer
Roland Wendell Meyer, with Honors
Oren Frederick Miles
J. Phillip Miller, with Honors
Lawrence Miller
John Elmore Moats
Larson Timothy Morgan
Glenn Henry Moody, with Honors
Charles Daniels Mowery
Carl Immanuel Nelson, Jr.
Isaac Lansing Newman
Donald Wayne Newbold, 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 Edmund Plumart
Norbert Francis Pohlman
Paul Frederick Reifsteck
Robert William Renken, with Honors
William Robert Renoud, with Highest Honors
George Edwin Ruble
George Benjamin Ruby
Clarence Eugene Ruthe
Everett Lane Sandusky
Orville Louis Sauder, with Highest Honors
Warren Ellsworth Schmidt
Jay Norman Schneider
UNIVERSITY OF ILLINOIS

VERYL EDWARD SCHUBERT
ALVIN DAVID SCHULMAN
EDWARD DONALD SCHULTZ
CLARENCE P. SCHUMAHER, with Honors
KENNETH EDWIN SCOTT
JOHN ALAN SHELLS, with Honors
HERBERT EUGENE SHORI
MILTON DAVIS SHULMAN
JOHN JOSEPH SMALL, with High Honors
OWEN M. SMITH
DONALD LEO SNAYEY
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 RITCHET TEEL, with Honors
CHARLES EDWARD TERRIL

WILLIAM ALFRED THARP, JR.
GORDON REICH THOMAS
LYLE EDWIN TOEPEE
VIRGEN LEE TROTTER
CHARLES ARTHUR TURNER
ELDON RAYMOND TWICHELL, with Honors
NORMAN PAUL VOGEN, with Honors
RICHARD EDWARD WAGNER
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 XANDER
EDWARD YADLOSKY
HARRY WHITAKER YODER, JR., with Honors
GEORGE FRED ZELLMEY, JR.
LAURENCE SETH ZUCKERMAN

IN DAIRY TECHNOLOGY

HERMAN MCDAMS HOWARD
LINCOLN THOMAS KREUZKAMP
DONALD MILLER
DONALD GENE SANG
JOHN TRUMBO VAN ETEN

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

IN FLORICULTURE

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

ALBERT PERCY NORDHEDEN
EILEEN ANN O'DONNELL
JAMES ROBERSON FRUTTER
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 ANGER
BARBARA MAY ATTERRY
CATHERINE JEAN ATTEBERRY
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 GROSSTEHAN
MARY LOIS HANNING
MARY FRANCES HANSEN, with High Honors

DOROTHY ANN HOLIN
Marilyn Irene House
DOROTHY ELLA KELLOGG
ARMINA HENRIETTA KOLMER, with Highest Honors
MARIAN RUTH LAMB
NESTA JEAN MANN
MARGARET JEANETTE McELVAINE, with Highest Honors
HELEN JOHANSEN MEBENDORF
ELLEN RUTH MEYER, with Honors
CLARIHEL 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 SHELDEN
JOAN ROSEMARY TARRO
MARJORIE ANN THORSEN
JEAN MARIE VERTOVEC
CAROL NELSON WILLIAMS
ROSE MARIE WORTHEN
VIVIAN ANNE ZENZIPIER
SHIRLEY ANN ZIEGLER, with Honors

In Home Economics Education
NORMA EILEEN BOWARD, with Honors
NORMA PLATNER DAVIS
MARIE TERESE FLACH, with High Honors
BEVERLY JEAN GIBBS, with Highest Honors
MARJORIE BERNADINE HARMS
KOREN PHA KRAFF
GINNEVA MARIE LITTLE
LEOTA DARLENE NASlund, with Honors
JANE DIVALL POLLARD

BARBARA ISABEL PRENTISS
FRANCES JEAN ROBINSON
MARIAH 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

SHELDON WAYNE BECHER

In Vocational Agriculture
HEARL CHESTER BISHOP
DANIEL DEAN CHAMBERS, with Honors
MARVIN DEAN KREILIEC
RUSSELL OLIVER LEWEY, with High Honors

EUGENE JOHN POHL
ELDON 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
RICHARD EDGAR MARTIN, with High Honors
RONALD GEORGE BROWN
ERNEST STUCKAL
KENNETH ALAN YOUNG

ROBERT FRANK HUNTER
EDWIN LEIGH JONES, JR.
CHARLES EDWARD KAEMPE
DONALD JOSEPH KATZ
MICHAEL WILLIAM LUDWIG
HERBERT BRYAN LYONS, JR.
DEWEY JULIUS MANCUSO
RICHARD ALAN MEYER
GLENN GROVES MYERS
RICHARD HAZEN MYERS
JAMES RICHARD PLIML
WALTER DUANE REEDER, with High Honors

PAUL NORMAN FULLER
BYRON LOWELL GABBERT
GLEN EUGENE GABRIELSON
LAVERNE WILLIAM GONNERMAN
NORMAN EARL GOWIN, with Honors
WINTHROP ADOLPH GUSTAFSON, with High Honors

DAVID RICHARD PLIML
WALTER DUANE REEDER, with High Honors

PURNAA CHANDRASEKHAR RAO SANGA
ARThUR IRWIN SCHMIDT
GENE SHINOZAKI
WILLIAM EMIL SIMON
RICHARD ROBERT SLADEK
CHARLES CORLESS SMITH
CHESTER TARCEYS WOKOLOWSKI
ERNEST STUCKAL
KENNETH ALAN YOUNG
UNIVERSITY OF ILLINOIS

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
MERSET 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 FULRAETH
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 PFIEFFENBERGER
WILLIAM GEORGE SCHUMACHER
JEROME DAVID SCHWEITZER
JAMES THOMAS SHAPLAND
HERBERT ROBERT TOLER, JR.
JAMES WILLIAM TUSTIN
NEIL DOUGLAS VAN DYKE
JAY MOSES WOLEDENBERG
DONALD ARCHIE ZUMWALT

In Civil Engineering

RICHARD WILLIAM ARMSTRONG
SUAT ALI ATAY
LEROY DONALD AUSTIN
GEORGE McCLELLAND BAUER
ALPHIEUS CUTLER BEMIS
ROBERT MORTON BLAIR
CARROLL EDGAR BLAKEMAN
ROY CARL BOETT, 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 DIESTEIN
STANLEY DODGE DOREMUS, with Honors
JOHN ERNEST ERBSENE
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 FRALLEY
ROBERT EDWARD FROST

TOM SAMUEL FRY
ROBERT FRANCIS GALLAGHER
CARLO GHILARDUCCI
FRED OWEN GILBERTSEN
LOUIS GEORGE HALA
DONALD GEORGE 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 KOEPSEL
JERRY THOMAS LACY
JOHN WILLIAM LAGER
BENJAMIN ELMER LAMPTT, JR.
DUANE PAY LILLIE
ROBERT BOTHO MACK, with High Honors
GORDON WILLIAM MARTYN
FRANCIS EUGENE MAYHALL
GERALD VINCENT MCCOLLAM
PATRICK HAROLD McHOOD, JR.
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HOWARD GENE SCHUTZ, with Honors in Psychology
GERALD HOWARD SEDGWICK
RALPH ENGLAND SHARP, Jr.
MAX E. SHERMAN
MARY YOSHIKO SHIOHARA
RICHARD JOHN SEARLL
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WENDELL EUGENE SWAIN
JEAN DOLORES SWANSON
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MARCIA TANNENBAUM
ERNST VERNON TEDFORD, Jr.
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WILLIAM ROBERT THOMPSON, with Highest Honors in History
JEANNE GLORIA THORQUIST
THOMAS NATHAN TIPSWORD
DANIEL TONYMON
MARY Lu TRAYLOR
ALLEN WILLIAM TRELEASE, with Highest Honors in Political Science
LILLY ELLEN TRINDLER
DOLORES CLAIRE TYNES
EMILY Lillian YAVRUS
LOUIS CLIFFORD WAGY, with Honors in History
LORRAINE GRACE WALLACH
JOHN WATSON WARELL, with Highest Honors in Philosophy
JACQUELINE WEAVER, with Highest Honors in Spanish
ALVIN JEROME WEINSTEIN
EDWARD OTTO WENTZ, Jr.
JOANNE DELLAVO WESTRATE
MARRIJE LASLO WEXLER
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HENRY FRANK WISS
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EDITH ELIZABETH WORMOOD
PAUL MILTON WRIGHT
GLADYS SERANE YAFFE
GRACE ANNE YOUNG
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BERNARD LOUIS ZAGORIN

In Home Economics

JOYCE CHAPIN ROSE

THORA GEITEL WINKAR, with Highest Honors

In the Teaching of English

BEVERLY JEAN ASPLUND, with Highest Honors
JUNE ALYCE CAPLAN
JOHN JOSEPH CARROLL, with Highest Honors
JOHANNA CRAMER
JO ANN ROBINSON FRENCH
WALTER HENRY Gerk
SHIRLEY ELAINE GRADY
EMILYANNE CARRIER HAMILTON
DOROTHY ELIZABETH HAYS, with Highest Honors

LIESLotte LILLIAN HYMAN
PATRICIA ANN KISSEL
JEAN MARION KNOCH
BARBARA LEE LEWIS, with Honors
LOIS JEAN MILLER
MARRIJE EILEEN MILLER, with Honors
HILLEWY HILENA NORDIN
FRANCIS LEO WILHELM
NANCY BROWN WILLIAMS, with Highest Honors
In the Teaching of French

DOROTHY ANNE BELNAP
SHIRLEY FOX
BARBARA GOLDEN

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CAROL THERES DANE
MARGERY ALICE HARALDSON

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ESTHER ANNE BARBER
JOSEPH EDWARD CAREY, with High Honors
MAY N JANETTE CARGILL
WALTER EUGENE FERGUSON
MARSHA ELLEN FIREBAUGH, with Honors
EDWARD HENRY FISCHER
PAUL HERBERT FUEHRING, with Honors
RALPH ROBERT HUEBNER
GEORGE CLIFFORD JOHNSON
CAROLYN RUTH KORB, with Honors
GERTRUDE ANN KRAMER, with Honors

Mary Taylor Martin, with High Honors
Phyllis Ann Marvin, with Highest Honors
Richard Hanson McFadden
Anne Marie Salgat
Ivy Gertrude Shapiro
Harry Alfred Stokes
Ruth Stroeg Strohecker, with Honors
Robert Dean Talbott
John Leslie Teveneraugh
Carol Venerable, with High Honors
Mary Lou Woodward

In the Teaching of Spanish

JOANNE MARIE BAUMGARDNER
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GLORIA LOUISE DELAVALLADE
CORINNE RUTH KEATING
ROBERTA ANNE KING, with Honors

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Rebecca Ann Sargent
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ANNETTE HELEN BERNSTEIN, with Honors
MARTY ELLEN COLEN
DONALD FREDERICK HENSON
ALICE MARGARET MUSCHLER

Helen Joan Nuck
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Degree of Bachelor of Science

In Chemical Engineering

LENNART NELS ANDERSON, with High Honors
RAYMOND CHARLES ANDERSON
ROBERT PATRICK BANNON
MELVIN JAY BEAGLE, JR., with High Honors
ROBERT EDWARD BRANCH, JR., with High Honors
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HIRSH MEYER BUSCH
PETER CHUPTCH
CHARLES WESLEY DEAN
DONALD ALLEN ENGELBRECHT, with High Honors
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RAY LOUIS HAUSER
RICHARD CHARLES HININGER, with Honors
MARVIN JOSEPH HILL

Robert Edward Jacobson
Thomas Hyslop Jenkins
Henry Kahn, with Honors
Richard Joseph Karas
Harold Arthur Lindahl
Stanley David Mack, with Honors
Wilbert John Magers
Arthur Kennedy Mills, with Honors
Merxton Morse
Leonard Aaron Salinger
William Wayne Sanders, Jr., with Highest Honors
John Howard Shurtleff
Elbert Clarence Smith, with Honors
Victor Francis Strozewski
Robert George Vanderwater
Kenneth August Wachter
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HAROLD WILLARD ADAMS
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Sally Jo Hubbell, with Honors
James O'Bryan Moore
Miriam Elizabeth Rector, with Honors
Ethlyn Fayme Schatzman
Alice Alicia Spencer, with Honors
Laura Misao Uchimoto, with Honors
Barbara Alyce Wainwright, with Honors
Barbara Ann Zeiders, with High Honors

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JOYCE SIMMA LEVIN
GLORIA LEWIS
LOREN RICE LEWIS
SHARI ARONIN LIPFITZ
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AUGUST LYNN OLSON, with Honors in Education
JANET HUNTINGTON OLSON
ROLAND LUDOVICO OSSUCCI
PATRICK JAMES PALUMBO
SUE MARTHA PERA

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MARY LOU RENNER

IN THE EDUCATION OF MENTALLY HANDICAPPED CHILDREN
FRANCES ELIZA FRANK
ANITA FAYE HEYMAN, with Honors in Education

IN INDUSTRIAL EDUCATION
ERVIN LEE ATKINS
JAMES HAROLD BATTON
WILLIAM ROBERT CLIFTON

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

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ARTHUR WILLIAM ANDERSON, JR.
ELMER FRANCIS ANDERSON
VALERIE RAE BABBITT
RAYMOND PAUL BACHERT, with Honors
MIRIAM CAROLYN BACHS
CECI EUGENE BAND, with Honors
BRUCE LEE BALCH, with Honors

IN CHEMISTRY
MARIANNE POGENPOHL
THOMAS JAMES QUINN
JOAN MARIE RAMSDELL
ROBERTA RUTH RAYBURN
BETTY BEER REBER
MAURICE JOHN REINHART
KENNETH EUGENE ROELIG, with Honors

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PATRICIA KAY ROLLER
JOSEPH McDaniel RYKER
FRANCIS MATTHEW SCHNEIDT, with Honors in Chemistry
SCOTT KEY SHELTON
DOROTHY MAY SHEBBARD, with Honors in Music and in Education
NANCY SCHMELING SHUBT
GERALD RUSSELL SMITH
MIRIAM LOUISE SOMER
ANGELO JOSEPH SPATARE
EVELYN ELAINE WINE
CARMEN IRIS STELZRIE
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FRANK OLIVER VOLLE
HELEN ELIZABETH WALKER
JUDITH ANN WEINSTEIN, with Honors in Education
HARVEY WEISS
HORACE EDWARD WEST
DAVID LOGAN WOLFE

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WILLIAM ROBERT CLIFTON

IN MATERIALS EDUCATION
JOHN HENRY LENTZ
ROBERT MORRIS TOMLINSON, with Honors in Industrial Education and in Education

IN MENTAL HEALTH EDUCATION
FRANCIS FRANK VIRGINIA GOODWINE

IN MUSICAL EDUCATION
ANITA FAYE HEYMAN, with Honors in Education

IN THE EDUCATION OF MENTALLY HANDICAPPED CHILDREN
FRANCES ELIZA FRANK
ANITA FAYE HEYMAN, with Honors in Education

IN THE EDUCATION OF MENTALLY HANDICAPPED CHILDREN
FRANCES ELIZA FRANK
ANITA FAYE HEYMAN, with Honors in Education

IN THE EDUCATION OF MENTALLY HANDICAPPED CHILDREN
FRANCES ELIZA FRANK
ANITA FAYE HEYMAN, with Honors in Education
<table>
<thead>
<tr>
<th>Name</th>
<th>Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Howard Irving Bernstein</td>
<td>with Honors</td>
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<tr>
<td>Wilson Jerome Besant</td>
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<td>Michael Mitchell</td>
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<td>Wayne Leroy Oak</td>
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<tr>
<td>Elida Marie Page</td>
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<td>Theodore Alfred Parker</td>
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<td>Francis Yeazel Peterson</td>
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<td>Winston Walton Pownall</td>
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<td>Robert Stanley Preuss</td>
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<td>Laurence Royce Prouty</td>
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<td>Tullio Ralph Ranalletta</td>
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<td>Carrol Harrison Reinganum, Jr.</td>
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<td>Donald Page Roth</td>
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<td>Howard M. Rosen</td>
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<td>Stanley Martin Rusek</td>
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<td>Louis George St. Clair</td>
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<td>Charles Phillip Schmidt</td>
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<td>Raoul Todd Schubert</td>
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<td>George Preston Shallcross</td>
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<td>Selig Stein</td>
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<td>James David Studzinski</td>
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<td>Dean Lester Trautman</td>
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<td>Wilbur Paul Tyler</td>
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<td>John Walter Vike</td>
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<td>Philip Voollach</td>
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<tr>
<td>Robert Findley Walker</td>
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<td>Francis Dale Walls</td>
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<td>Herbert Wasserman</td>
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<td>Richard Philip Wippman</td>
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<tr>
<td>Maurice Cliffy Workman</td>
<td>with Honors</td>
</tr>
<tr>
<td>Marshall Leonard Zissman</td>
<td>with Honors</td>
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In Accountancy and Management

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>Gilbert Randle Carr</td>
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<tr>
<td>Charles Edward Hetzel</td>
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<td>Harold Riley Jackson</td>
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<td>Wayne Allen Kissel</td>
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<td>Norman Richard Koby</td>
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<td>Robert Gilbert McDonald</td>
<td>Honors</td>
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<tr>
<td>Gerald Benjamin Rivlin</td>
<td>Honors</td>
</tr>
<tr>
<td>Cecil Dean Young</td>
<td>with Honors in Accountancy</td>
</tr>
</tbody>
</table>
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In Accountancy and Marketing

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STUART ALAN DICKERSON
GERALD HARTLEY FALDER, JR.
MARVIN DONALD FRIEDMAN

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ANDREW ARTHUR VAVRIK

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MADONNA INEZ STAHL
MIYO RUTH TAJIMA
THELMA PATRICIA WILBOURN
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WILLIAM NORMAN GEORGESON, with High Honors
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MARTHA CARLYN INNIS

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WILLIAM HAROLD JOHNSTON
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HUGH HENRY PRICE, II
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WENDELL CLEMENT STONE, with Honors
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Charles Norman Bernstein
Velma Marie Bland
Irwin Joseph Blattstein
Robert Lewis Carpenter
Norman Chauncey
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Thiel Phillip Cohen
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Robert John Welsch
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CLIFFORD ALBERT SELL  
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STANFORD HOWARD SHOLEM  
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AMY FUHRBERG
JOAN LATOWSKY GLEASON, with Highest Honors
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PAUL WALTER KRAUTZ, JR.
ELAINE KROLL
GWEN ADAIR LAUFER
BERNADETTE ANN LONGAWA
EDWIN CHARLES LUNDIEN
WILLIAM CLARENCE MANN
VIRGINIA LEE METZLER
DON ELTON MILES
BERNARD JAY MILLER
BENTON DENISSEY O'BUM
RAY CHALMER O'NEAL
GEORGIA ANN PAFHLOW
DOMENICK JOHN PECCHIA
HERBERT EUGENE PLEWS
JOHN WALTER RUSHIEWSKI
In Recreation

KENNETH ALONZO WATKY

DIVISION OF SPECIAL SERVICES FOR WAR VETERANS

Degree of Bachelor of Science

WILLIAM ADAMS
LOUIS WALTER ALEXANDER, Jr.
JEAN GEORGE ALTERS
HERMAN ROLLIN ALLEN
DOUGLAS HANS AMUNDSON
DARRELL MARTIN ANDERSON
DONALD EUGENE ANDERSON
HENRY ANDERS ANDERSSON, Jr., with
High Honors in Art
DALE ROBERT ARVIDSON
ALVIN 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
OVID GUS BOLTE
IMOGNE BOTTOMS
JAMES PHILLIP BRADLEY
JAMES MARSHALL BRANION, Jr.
JOHN CARTER BREARLEY
JEROME BRESSLER
EUGENE HORACE BRIDGES, Jr.
WALTER MANNING BRIGGS
ERWIN RISLEY BRIGHAM
FREDERICK WILLIAM BRODIE
GLEN DONALD BROWN
JOHN POWERS BUNTING
SEVERIN TEN HOUT BRYN, 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 SARVARD CONRAD
FRANK DEVINE COOKE
FRANK WESLEY COPELAND
FREDERICK OTTO CORRAN
WILLIAM ELLIS CREEK
ARTHUR JAMES CREIGHTON, Jr.
GEORGE KILPATRIC 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 DECKMANN
BERNARD WILLIAM DIEMER
ALBERT ANTHONY DILGER
LOUIE MAX DIXON
HUBERT DEAN DODDS
CHESTER FRANK DOROBA
RODNEY VAUGHN DOUGHERTY
HERBERT GLENN DRAKE, Jr.
JAMES ROST DUNCAN
DAVID DEWEY Dyer, Jr.
VERN ELMER ECHOLS
MELVIN ALLEN EDELMAN
ROBERT FRANCIS EILEEN
DANIEL HENRY ELSE
MAXWELL JAY EPSTEIN
HOMER JEROME ERZINGER, Jr.
JAMES WILLIAM EVERHART, Jr.
ROBERT DEAN FAGALY
GILES STOLP FARMER
ANDREW FRANCIS FAY
CARL LEON VICTOR PETER FEDERICI
MYRON ROBERT FELDMAN
ROBERT JULIAN FELLOWS
1950

UNIVERSITY OF ILLINOIS

EARL EDWARD FENNER
ROBERT PAULKNER FENTON
GEORGE ALBERT FISCHER
DONAL JOHN FISHER
HAROLD EDWARD FITZGERALD
GEORGE HUSTON FLOWER
DARRELL MAYNARD FORBES
PAUL DOW FORSTER
JAMES AMBROSE FRANCISCO
FRANK HENRY FRIDSEN
HARMON CLARENCE FRETO
RICHARD NEIL FROST
MARK HENRY FRY
VERNON KEITH FULLER
THEODORE FUNNEKOTTER
JOSEPH FRANCIS GAMINO
EDWARD BRUCE GASSER
GEORGE WEBER GASSMANN
HARRY CHARLES GERSBAUGH
EUGENE ADOLPH GIESLER
HAROLD CARL GOHL
HOWARD RAYMOND GOHL
NORTON ROBERT GOLDBERG
ALBERT JOSEPH GOLDSMITH
GEORGE EDWARD GRAZIATI
WILLIAM KELTS GREEN
DAVID ANTHONY GROBL
HAROLD ANDREW GUNDERSEN
MEL JOHN GUTSTEIN
PAUL MILTON HAINES
THOMAS BASHORE HALLMAN
JULIUS ELSWORTH 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
GLENN EDGAR HESLER
JAMES ALEXANDER HEUER
THEODORE J. HINES
EUGENE EARL HIXON
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 HASKEL JACOBY
DANIEL JOHN JANUS
CHARLES RICHARD JELLIFFFE
HAROLD LEROY JENSEN, with Honors
JAMES CLIFFORD JESSEN
ACHMAD LAWRENCE JOHNSON, JR.
CARL FRANCIS JOHNSON
FLETCHER GILBERT JOHNSON
KENNETH EDWARD JOHNSEN
ROBERT ERNEST JOHNSEN
ROBERT CHARLES KAUFMANN
HARTWELL CHARLES KEITH
BURT HENRY KELLY
HARRY JOHN CLARE KELLY
ROBERT EDWARD KELLY
EUGENE WELDON KELFINGER
WALTER THOMAS KERSULIS
HARRIS LEONARD KIMBALL
ROBERT ASTOR KING
ROBERT ANDREW KINCHEN
JOHN ANTHONY KITTELMAN
WILLIAM EDWARD KLEIN
ROBERT EUGENE KOFORD
THEODORE CONSTANTINE KONTOS
ROMUALD KOWALEWSKI
JOHN FREDERICK KRAEGY
JOHN DONALD KREBS
HOWARD KROM
OSCAR ARTHUR KRIEGER
RAYMOND EDWARD KRUEGER
RICHARD LEE KRUSE
JOSEPH ADRIAN LABRECHEQ
GLENN ROBERT LANDEN
ANDRE ERNEST LAPOINTE
LEONARD M. LAMM
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
LELAN DEXTER MAPES
JAMES LESLIE MARMION
JOSEPH IGNATIUS MARTIN, JR.
EARL EDWIN MATTHEWS
JAMES LEROY MCLAUSIER
MERRILL JAMES MCLAUSIER
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 Jon Mensbach
Melvin Leonard Mezoff
Joseph Frank Micoli
John Alexander Mihalkanin
John Clark Miller
Charles Holland Millsbaugh
Robert Justin Milum
James Oran Mitchell
William Charles Moore
William Low Moore
Thomas Francis Mullaly
Carl Franklin Munson
John Muraro, Jr.
Frank Murphy, Jr.
Gerard 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 Nicola
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
Burbette Glenn Olthoff
John Collins O’Neal
Charles Albert Palis
James Joseph Pardeick
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 Priddle
Benjamin Montague May Price, Jr.
Thomas Spencer Price
Robert Bentley Quick
Robert Lawrence Quick
Richard August Rapidke
Raymond Wallace Ralli, 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
Linus Don Romani
Jan Bertorottta Roosa
Jack William Root
Clifford Myron Rosen
Thomas Louis Rosenberg
Roy Charles Ross
Lloyd LeRoy Rudesill
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 Schwebtz, 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 Slutskey
Don Merrill Smart, with Honors
Ward Colley Smidt
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 Lanee Stevenson
John Norman Stevenson
Noble Henry Stibolt
Elbert Lee Stock
Raymond Howard Stone
Robert LeRoy Stone
John James Stroud
Robert Wood Sudbrink
Robert Rolland Suryk
Irwin Lawrence Svoboda
Myron Sidney Swartz
Barton Lee Swindall
Lucille Wilson Taliaferro
Nathan Tarnoff
Herman Albert Tebrugge
COLLEGE OF VETERINARY MEDICINE

Degree of Bachelor of Science

In Veterinary Medicine

<table>
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<tr>
<th>Name</th>
<th>Honors</th>
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<tr>
<td>John Robert Baker</td>
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<td>Robert Gerald Bramel</td>
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<td>Robert Frank Butzow</td>
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<td>Kenneth Dwight Campbell, with Honors</td>
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<td>John McClure Carroll</td>
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<td>George Fred Fehenbacher</td>
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<td>William George Huber</td>
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<td>Cecil Richard Johnson, with Honors</td>
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<td>Boyd Berton Knuppel</td>
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<td>Robert Allen Latham, Jr.</td>
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<td>William James Winchester</td>
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<td>LeRoy Eugene Wisniewski</td>
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<td>Jack Emil Woller</td>
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<td>Waverly Roy Wood</td>
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<td>Stanford Eugene Workman</td>
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<td>Thomas John Yankaitis</td>
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<td>William Robert Youngman</td>
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<td>Howard Ho Choon Yuh</td>
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<td>Leon Norman Zoghlin</td>
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</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Name</th>
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</tr>
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<tbody>
<tr>
<td>Howard Apple</td>
<td>Susumu Hasegawa</td>
</tr>
<tr>
<td>Sanford Alvin Bear</td>
<td>Maurice Hauptman</td>
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<tr>
<td>Charles William Cantrell</td>
<td>Homer Lawrence Hedmark</td>
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<td>Vernon Russell Damer</td>
<td>Milton Junior Knapp</td>
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<td>Harlan Eugene Feicht</td>
<td>Philip John Long</td>
</tr>
<tr>
<td>William Freeman</td>
<td>Philip Solomon Merzer, A.B., New York University, 1943</td>
</tr>
<tr>
<td>Samuel Friedman, B.S., Central Y.M.C.A. College, 1943</td>
<td></td>
</tr>
<tr>
<td>Herbert Jack Gordon</td>
<td>Leonhard Joseph Rich</td>
</tr>
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<td></td>
<td>Walter Herman Schneider</td>
</tr>
</tbody>
</table>
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
Howard R. Greenberg, 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. Odcs, B.S., 1948
Melvin Harold Pollock
Edward S. Prochok
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 Verric
Elizabeth June Zwemer, B.S., 1948
Thomas John Zwemer

Degree of Bachelor of Science in Medicine
(Conferred August 18, 1949)

Aaron John Fink, B.S., University of Chicago, 1947

(Morto...
1950]

UNIVERSITY OF ILLINOIS

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

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 University, 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 Brettnier, Jr., B.S., 1948
Charles Irving Brink, B.S., 1948
Maria Pedro Brolley, B.E., Chicago Teachers College, 1943; M.S., University of Chicago, 1946
Israel Meyer Carson, B.S., Northwestern University, 1947; B.S., 1948
Henry Mintoune 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

Orville Lloyd Dawson, B.S., University 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 Ericich, 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 University, 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 Flusich, 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., University of Iowa, 1937; B.S., 1948
Samuel Calvin Galloway, A.B., University 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., M.S., 1941, 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 Ioannides, Jr., B.S., Northwestern University, 1943; B.S., 1948
Ellis Donald Johnson, B.S., St. Augustine College, 1946; 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 Kamienetzky, B.S., 1948
Leslie Sheldon Kaplan, B.S., Lewis Institute, 1941
John Elkichi Kashiwabara, B.S., 1948
Avner Kauffman, B.S., 1948
Robert Gene Kilough, B.S., 1948
Gilbert Percy Kipnis, B.S., 1948; with Honors
John Joseph Klubacha, B.S., 1948
Robert Elijah Knight, A.B., Illinois College, 1947; B.S., 1948
Dolores Eddelman Knoblock, B.E., Chicago Teachers College, 1942; B.S., 1948
Robert Morton Kohlenbrener, B.S., 1947
William Arnold Kornblum, B.S., University of Notre Dame, 1948
Ruth Leona Kramer, A.B., 1941
Howard Lynn Kuhl, B.S., B.S., 1945, 1949
Kenji Kushino, B.S., 1947
William Ernest Lacy, Jr., A.B., Talladega College, 1941; B.S., 1949
James Howard Lambert, Jr., 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., 1943, 1949
Clarice Annabelle Nordblom, 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-  
western 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 SMITH, B.S., 1948

RICHARD LORANEUE SMITH, B.Ed., Southern  
Illinois University, 1942; B.S., 1948

CHARLES OTIS STANLEY, B.S., 1949

LESLIE GEORGE REED, B.Ed., Southern  
Illinois University, 1942

JOHN RICHARD REDEB, B.S., B.S., 1946,  
1948

WALLA STAHMER REEDER, B.S., 1948

FRANCIS HAROLD RICHARDSON, B.Ed.,  
Whitewater State Teachers College,  
1938; M.Ph., University of Wisconsin,  
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 SHIFFLIN, B.S., 1948

JEROME MARTIN SILVER, B.S., B.S.,  
1946, 1948; with Honors

BURL STOKOS, 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 PERRE STILL, A.B., B.S., 1943,  
1948

ROBERT GILBERT STONE, B.S., The  
Gadle, 1942

SHERMAN HERMANN STRAUSS, B.S., Illi-  
nios 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 CLAAR 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., 1943, 1944, 1948

GEORGE DORRITT WHAM, B.S., 1948

JERROLD WIDMAN, 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

GERTRUDE GENEVA BROWN

MARGARET ANN COLLINS

IRIS JOANNE DAHLSTROM

FRANCES ELEANOR GILLESPIE

FRANCES LEatrice GOFF

RUTH JEANETTE GORDON

RUTH LOUISE GRUENSFELDER

Doris Irene Helfenberger

VIVIAN LOIS HOLLY

GEORGI ANNA JOAN LUKAS

MARIETTA KATHRYN MILLER

ANNE BENIETTA PHILLIPS

JOYCE MARIE PIERSMA

JUNE ROSS

DOLORES EUGENIA UPHUES

PATRIA DIANE VANDY

MABEL TAKAKO YOSHIDA
Degree of Bachelor of Science in Nursing
(Conferred June 16, 1950)

PATRICIA ANN TAIF

Degree of Bachelor of Science in Pharmacy
(Conferred August 18, 1949)

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

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 BRZOWSKOWSKI
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 HAUBERT
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

CHRISTOPHER CLIFTON BLAHA
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 BRZOWSKOWSKI
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 HAUBERT
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

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

EDWARD NIMROD PALMER GILMAN

[June 22]
In Physiology (Clinical Science)
Robert Webster Denton, B.S., B.M., M.S., M.D., Northwestern University, 1943, 1949, 1947, 1947
Ralph Robert Sonnenschein, 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
Hsigh-Teh Chang, M.D., University of Missouri Medical College, 1941
William James Dougherty, B.S., Loyola University, 1949
Marvin Leon Levinson, B.S., Northwestern University, 1948
Joseph Peter Usavage, 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., University of California, 1948
Bhim Sen Savara, B.D.S., University of Punjab, 1946

In Pharmacognosy
Conception 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 Takedo Hasegawa, A.B., Baker University, 1948
Robert Morton Kohlbrener, 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 Kiley, 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

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**REVISION OF CURRICULUM IN PHARMACY**

The complete curriculum as revised is outlined below. In the outline, D, meaning didactic, indicates the number of classroom 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.

### First Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Quarter</th>
<th>Second Quarter</th>
<th>Third Quarter</th>
<th>Total</th>
</tr>
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<tr>
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<td>D</td>
<td>L</td>
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<tr>
<td>English 120, 121, 122</td>
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<td>Mathematics 140, 141, 142</td>
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<td>Chemistry 143, 144, 145</td>
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<td>Sociology 123</td>
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<td>Zoology 161, 162</td>
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<td>Pharmacy 100, 101, 102</td>
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<td>Hygiene 160</td>
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### Second Year

<table>
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<th>Second Quarter</th>
<th>Third Quarter</th>
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<tr>
<td></td>
<td>D</td>
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<tr>
<td>Chemistry 146 (Quantitative)</td>
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<tr>
<td>Physics 150, 151, 152</td>
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<td>Pharmacy 103, 104, 105</td>
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<td>Economics 124</td>
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<td>Psychology 125</td>
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<td>Chemistry (Organic) 147, 148</td>
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<tr>
<td>Zoology 163 (Histology)</td>
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### Third Year

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Third Quarter</th>
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<tr>
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<td>L</td>
<td>Cr</td>
<td>D</td>
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<tr>
<td>Pharmacognosy 290, 291, 292</td>
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<td>Pharmacy 200, 201, 202</td>
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<td>Chemistry (Physical) 240</td>
<td>4</td>
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<td>Chemistry (Biochemical) 241, 242</td>
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<td>Bacteriology 280, 281</td>
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<tr>
<td>Physiology 260, 261</td>
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<td>4</td>
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<td>18</td>
<td>18</td>
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<tr>
<td>Subject</td>
<td>First Quarter</td>
<td>Second Quarter</td>
<td>Third Quarter</td>
<td>Total</td>
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<tr>
<td>Pharmacology 262, 263, 264</td>
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<td>3 D 3 L Cr</td>
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<td>Pharmacy 203, 204, 205</td>
<td>3 D 0 L Cr</td>
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<td>1 D 4 L Cr</td>
<td>9 Cr</td>
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<td>Chemistry (Synthetic) 243</td>
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<td>Chemistry (Drug Assay) 244</td>
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<td>Jurisprudence 220</td>
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<tr>
<td>Electives</td>
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<td>5-7</td>
<td>5-7</td>
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</table>

Basic Curriculum 189 hours

### Elective Subjects Available to Senior Students

<table>
<thead>
<tr>
<th>First Quarter: Didactic</th>
<th>Laboratory Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>Accounting 220</td>
<td>2</td>
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<tr>
<td>Chemistry 346</td>
<td>2</td>
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<tr>
<td>Chemistry 245</td>
<td>4</td>
</tr>
<tr>
<td>Entomology 270</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing 221</td>
<td>4</td>
</tr>
<tr>
<td>Manufacturing Processes 207</td>
<td>1</td>
</tr>
<tr>
<td>Physical Chemistry 340</td>
<td>4</td>
</tr>
<tr>
<td>Genetics 304</td>
<td>3</td>
</tr>
<tr>
<td>Plant Anatomy 301</td>
<td>2</td>
</tr>
<tr>
<td>Crystallography 310</td>
<td>2</td>
</tr>
</tbody>
</table>

### Pre-registrations

Pre-registration of students 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

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Quarter</th>
<th>Second Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting 220</td>
<td></td>
<td>Principles of Marketing 221</td>
</tr>
<tr>
<td>Entomology 270</td>
<td></td>
<td>Manufacturing Processes 207</td>
</tr>
</tbody>
</table>

#### Second Quarter

<table>
<thead>
<tr>
<th></th>
<th>First Quarter</th>
<th>Second Quarter</th>
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</thead>
<tbody>
<tr>
<td>Pharmacy 208</td>
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<td>Hospital Pharmacy 206</td>
</tr>
<tr>
<td>Analytical Chemistry 349</td>
<td>2</td>
<td>3</td>
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<tr>
<td>Toxicology 345</td>
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<td>5</td>
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<tr>
<td>Plant Physiology 302</td>
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<tr>
<td>Chemical Microscopy 311</td>
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<tr>
<td>Instrumental Analysis 350</td>
<td>3</td>
<td>5</td>
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</table>

### B. For students anticipating graduate training in pharmacy:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Quarter</th>
<th>Second Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 245</td>
<td>4 D 2 L Cr</td>
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</tr>
<tr>
<td>Entomology 270</td>
<td>3 D 6 L Cr</td>
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<tr>
<td>Physical Chemistry 340</td>
<td>3 D 6 L Cr</td>
<td>5 D 0 L Cr</td>
</tr>
<tr>
<td>Analytical Chemistry 349</td>
<td>2 D 6 L Cr</td>
<td>4 D 0 L Cr</td>
</tr>
<tr>
<td>Hospital Pharmacy 206</td>
<td>1 D 6 L Cr</td>
<td>3 D 0 L Cr</td>
</tr>
</tbody>
</table>

### C. For students anticipating graduate training in chemistry:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Quarter</th>
<th>Second Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 346</td>
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<tr>
<td>Physical Chemistry 340</td>
<td>3 D 6 L Cr</td>
<td>5 D 0 L Cr</td>
</tr>
<tr>
<td>Analytical Chemistry 349</td>
<td>1 D 6 L Cr</td>
<td>3 D 0 L Cr</td>
</tr>
<tr>
<td>Instrumental Analysis 350</td>
<td>3 D 6 L Cr</td>
<td>5 D 0 L Cr</td>
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</table>

### D. For students anticipating graduate training in biological sciences:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Quarter</th>
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<tbody>
<tr>
<td>Entomology 270</td>
<td>6 D 2 L Cr</td>
<td>3 D 0 L Cr</td>
</tr>
<tr>
<td>Genetics 304</td>
<td>1 D 6 L Cr</td>
<td>3 D 0 L Cr</td>
</tr>
<tr>
<td>Plant Anatomy 301</td>
<td>3 D 6 L Cr</td>
<td>5 D 0 L Cr</td>
</tr>
<tr>
<td>Plant Physiology 302</td>
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</tr>
</tbody>
</table>
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:

<table>
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<tr>
<th>Requirement</th>
<th>Hours</th>
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<tr>
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<tr>
<td>D.G.S. 112—Verbal Communication</td>
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<tr>
<td>Hygiene 102 or 105—Personal and Environmental Hygiene.</td>
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<tr>
<td>Military (for men)</td>
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<tr>
<td>Physical Education</td>
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Mathematics and Physical Sciences:

<table>
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<tr>
<td>Chem. 105—Inorganic Chemistry and Qualitative Analysis</td>
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<tr>
<td>Chem. 122—Elementary Quantitative Analysis</td>
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<tr>
<td>Chem. 133—Elementary Organic Chemistry</td>
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</tr>
<tr>
<td>Chem. 247—Elementary Physical Chemistry</td>
<td>4</td>
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<td>Chem. 249—Chemistry of Colloids</td>
<td>3</td>
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<tr>
<td>Chem. 329—Food Analysis</td>
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<td>Chem. 350—Biochemistry</td>
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<tr>
<td>Math. 117—Combined Freshman Mathematics</td>
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<tr>
<td>Math. 127—Combined Freshman Mathematics</td>
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<tr>
<td>Math. 137—Calculus</td>
<td>3</td>
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<td>Math. 147—Calculus</td>
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<tr>
<td>Physics 103—General Physics</td>
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<tr>
<td>Physics 104—General Physics</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bact. 104 and 105—Introductory Bacteriology</td>
<td>5</td>
</tr>
<tr>
<td>Bact. 308—Food and Applied Bacteriology</td>
<td>5</td>
</tr>
<tr>
<td>Botany 104—Botany-Zoology Sequence</td>
<td>4</td>
</tr>
<tr>
<td>Zool. 104—Zoology-Botany Sequence</td>
<td>4</td>
</tr>
</tbody>
</table>

Applied Courses:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.T. 201—Elements of Food Technology</td>
<td>3</td>
</tr>
<tr>
<td>F.T. 202—Elements of Food Technology</td>
<td>3</td>
</tr>
<tr>
<td>F.T. 206—Inspection Trip</td>
<td>0</td>
</tr>
<tr>
<td>F.T. 269—Raw Materials for Processing</td>
<td>3</td>
</tr>
<tr>
<td>F.T. 270—Raw Materials for Processing</td>
<td>3</td>
</tr>
<tr>
<td>F.T. 301—Food Processing</td>
<td>4</td>
</tr>
<tr>
<td>F.T. 302—Food Processing</td>
<td>4</td>
</tr>
<tr>
<td>F.T. 332—Principles of Sanitation in the Processing and Handling of Foods</td>
<td>4</td>
</tr>
<tr>
<td>F.T. 363—Elements of Unit Operations</td>
<td>3</td>
</tr>
</tbody>
</table>

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

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

1 D.G.S. 111 and 112 are required in place of Rhet. 101 and 102.
2 Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 247 and 249.
3 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.
   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.
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.
I. 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 in 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.


"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

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Air</td>
<td>Instruction for not more than five hundred Air Force personnel June 1, 1950, to June 30, 1953</td>
<td>Rates per contract</td>
<td>May 15, 1950</td>
</tr>
<tr>
<td>Force</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White &amp; McTaggart</td>
<td>Installation of coin operated Bendix home laundry machines in Lincoln Avenue Residence and Student-Staff Apartment buildings</td>
<td>Rates per contract</td>
<td>May 11, 1950</td>
</tr>
<tr>
<td>Co.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The American</td>
<td>Rental of film &quot;Visual Education for Architects&quot;—November 5 to 26, 1950</td>
<td>$ 65.00</td>
<td>April 11, 1950</td>
</tr>
<tr>
<td>Federation of Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. N. DeAtley</td>
<td>Natural History renovation and ventilation</td>
<td>$164.00</td>
<td>May 1, 1950</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Football gear for thirty-six players, plus practice pants, extra jerseys, and miscellaneous items for the Chicago Undergraduate Division football squad</td>
<td>Chicago Undergraduate Division, Physical Education</td>
<td>Mr. Lee A. Freeman, Room 508, Chicago</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>150 yearling ewes</td>
<td>Animal Science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One ram type milling machine with adjustable cutter head, complete with 1 h.p., 1150 r.p.m., 60 cycle reversible motor, collets, profile stud, table and stop, slotting attachment, and arbors</td>
<td>Industrial Education</td>
<td>Marshall &amp; Hausch</td>
<td>$2,525.00</td>
</tr>
<tr>
<td>One microformer type high magnification stress-strain recorder; one model PS-5M averaging extensometer for use with a 120,000 lb. testing machine</td>
<td>Civil Engineering</td>
<td>Baldwin Locomotive Works, Chicago</td>
<td>$1,560.00</td>
</tr>
</tbody>
</table>

1 Deduct.
### Item

<table>
<thead>
<tr>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Technology</td>
<td>Pfaudler Co., Chicago</td>
<td>$1,670.49</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Alfred Crossley &amp; Associates, Chicago</td>
<td>$1,275.00</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>Raytheon Mfg. Co., Waltham, Mass.</td>
<td>$1,750.00</td>
</tr>
<tr>
<td>Physics</td>
<td>National Research Corp., Cambridge, Mass.</td>
<td>$2,800.00</td>
</tr>
<tr>
<td>Physics</td>
<td>Atomic Instrument Co., Boston, Mass.</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Physics</td>
<td>Applied Physics Corp., Pasadena, Calif.</td>
<td>$3,012.76</td>
</tr>
<tr>
<td>Print Shop</td>
<td>E. C. Fuller Co., Chicago</td>
<td>$6,720.00</td>
</tr>
<tr>
<td>General Chemical Stores</td>
<td>General Chemical Co., Chicago</td>
<td>$8,751.66</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Merck &amp; Co., Rahway, N.J.</td>
<td>$2,661.10</td>
</tr>
<tr>
<td>Institute of Aviation</td>
<td>Shell Oil Co., Chicago</td>
<td>$11,295.00</td>
</tr>
<tr>
<td>Physical Plant Storeroom</td>
<td>Shell Oil Co., Chicago</td>
<td>$10,832.20</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>Duekett Paper Co., campaigned representing National Paper, manufacture of Sorbette towels</td>
<td>$3,850.00</td>
</tr>
<tr>
<td>Physical Plant Storeroom</td>
<td>Field &amp; Shorb Co., Decatur</td>
<td>$1,059.75</td>
</tr>
</tbody>
</table>

### Item Details

- **Item**: 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 100°F. Accessories to include twelve smooth plates, one divider plate, hot water circulating unit, and pressure reducing regulator.
- **Four vacuum tube voltmeters; one slotted line**
- **One 10 kc. oscillator; one cup, 100 c.c. capacity; one cup, 168 c.c. capacity**
- **Two pumps, diffusion, oil, purifying, 5000 liters per second**
- **Two Q meters, range 50 kc.-75 mc.**
- **Two each decade scalers, scale 1000, model 105**
- **Two vibrating Reed electrometers, model 30**
- **One continuous film printer, 16 mm., with three-way aperture for printing (by contact) either sound or picture for 2 prints for printing Kodachrome**
- **One #2 Smyth booksewing machine complete with electric controls**
- **1900 cases (approximately) Pyrex (Borosilicate) laboratory glassware to be ordered and delivered as required between July 1, 1950, and June 30, 1951**
- **350 lbs. acetic acid, C.P. reagent; 13,000 lbs. hydrochloric acid, C.P. reagent; 8,500 lbs. nitric acid, C.P. reagent; 23,600 lbs. sulphuric acid, C.P. reagent; 5,000 ammonium hydroxide**
- **2000 gm. L-Leucine; 1000 gm. DL-leucine; 16 oz. L-Glycine; 1000 gm. DL-threonine; 500 gm. L-Tyrosine; 200 gm. L-Proline; 2000 gm. L-Glutamic acid; 1 lb. L-Histidine monohydrochloride; 500 gm. L-Lysine monohydrochloride**
- **40,000 gallons (approximately) aviation gasoline, 50 octane; 20,000 gallons (approximately) aviation gasoline, 91 octane**
- **70,000 gallons (approximately) gasoline, regular**
- **600 cases bleached paper towels, 5750 towels per case**
- **300 36" laboratory gas cocks, rough brass, single male, seven serrations, with #1498 single tapped turret; 300 36" laboratory gas cocks, rough brass, single male, seven serrations, with #1498 double tapped turret; 150 36" brass hose nipples, male, brass, seven serrations**
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>285 kitchen wall cabinets to be installed in Student and Staff Apartments</td>
<td>Physical Plant</td>
<td>Howard's, Monticello</td>
<td>6,913.96</td>
</tr>
<tr>
<td>Four #A155CH Guth fluorescent fixtures; 29 #A1551H Guth fluorescent fixtures; 45 #A3532H Guth fluorescent fixtures; 84 pr. #M1342 Guth stem extensions</td>
<td>Physical Plant</td>
<td>Heider Electric Supply Co., Elgin</td>
<td>9,783.96</td>
</tr>
<tr>
<td>One 7 ft. Steinway grand piano</td>
<td>Physical Plant</td>
<td>Lyon &amp; Healy, Chicago</td>
<td>3,746.61</td>
</tr>
<tr>
<td>Furnish and spread approximately 10,000 gallons RT-10 road tar on campus roads</td>
<td>Physical Plant</td>
<td>Illiana Construction Co., Urbana</td>
<td>1,925.00</td>
</tr>
<tr>
<td>3000 tons (approximately) screenings coal to be delivered as required during June, July, and August, 1950</td>
<td>Physical Plant</td>
<td>Republic Coal &amp; Coke Co., Chicago</td>
<td>4,940.00</td>
</tr>
<tr>
<td>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</td>
<td>Physical Plant</td>
<td>Crescent Electric Supply Co., Peoria</td>
<td>22,200.00</td>
</tr>
<tr>
<td>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), overloads, springs, oil filter, heater, and defroster and hydraulic tailgate</td>
<td>Purchasing Office</td>
<td>Sullivan Chevrolet Co., Champaign</td>
<td>2,517.38</td>
</tr>
<tr>
<td>1621 board feet #2 KD fir lumber; 6848 sq. ft. 4 x 8/4&quot; flexboard; 1008 sq. ft. 4 x 8 1/4&quot; plywood; 1000 linear ft. shoe mold; 4000 linear ft. lattice; 36 casings; 36 door molds; 21 3/8&quot; x 6 3/4&quot;-13/16&quot; two-panel fir doors</td>
<td>Institute of Aviation</td>
<td>Illini Lumber Distributors, Champaign</td>
<td>1,484.92</td>
</tr>
<tr>
<td>60,000 reams 8 3/4 x 10 1/2 16# sub. white mimeograph bond paper to be delivered as required during the coming year</td>
<td>Office Supply Store</td>
<td>Bradner Smith &amp; Co., Chicago</td>
<td>27,510.00</td>
</tr>
<tr>
<td>Fire and extended coverage insurance, including unearned premium coverage, subject to 80% co-insurance, effective June 1, 1950, for three years, covering Allerton 4-H Memorial Camp Buildings in the aggregate amount of $550,000, and contents thereof in the aggregate amount of $85,580, with premium payable on an annual installment basis</td>
<td>Extension Service in Agriculture and Home Economics</td>
<td>Max Stark, Champaign, representing the American Insurance Co.</td>
<td>3,288.36</td>
</tr>
<tr>
<td>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.)</td>
<td>Illini Union Bookstore</td>
<td>J. Warren Montgomery, Urbana, representing Glenn Falls Fire Co., Oren Lane, Peoria, representing the Liberty Mutual Co.</td>
<td>1,500.00</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>2,001.00</td>
</tr>
</tbody>
</table>
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 $500,000 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.

One recorder, indicating, D-C potentiometer type, 16-point, range -2 to -6 millivolts, 115 volt.

Two each recording timers, precision model SCI-5.

32 animal cages to be manufactured to University specifications and blueprints.

Approximately 500 cases of Pyrex laboratory glassware.

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 $5,400,000.

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 3/4 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, $3,000,000 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 ½ 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 (W½) of the Southeast Quarter (SE½) 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 (E½) of the Southeast Quarter (SE½) 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 hereinafore mentioned, the University hereby offers to convey to the Commission the tract of land now owned by it and hereinafore 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 afore-mentioned deed execute and deliver a lease in substantially the form attached hereto and marked Exhibit "W" 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

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 aforesaid, 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 (W1/2) of the Southeast Quarter (SE1/4) 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 (E1/2) of the Southeast Quarter (SE1/4) 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 and/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 Lessor 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 require-
ments 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 agree-
ments 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 money 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)  SS
COUNTY OF COOK

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
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 (Gemmill 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 System, 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 this 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
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

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 busi-
ness 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 re-
peated 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 Depart-
ment 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 com-
mittee'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 pains-
taking 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."

"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 $3,000 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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accountancy</td>
<td>93%</td>
</tr>
<tr>
<td>Marketing</td>
<td>62%</td>
</tr>
<tr>
<td>Management</td>
<td>75%</td>
</tr>
<tr>
<td>Secretarial Training</td>
<td>50%</td>
</tr>
<tr>
<td>Business Law</td>
<td>100%</td>
</tr>
<tr>
<td>All divisions</td>
<td>81%</td>
</tr>
</tbody>
</table>

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 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 dogmatism, 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.

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:

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1945</td>
<td>$5,000</td>
</tr>
<tr>
<td>1946</td>
<td>$5,000 (adjusted to $5,800, 2/27/47)</td>
</tr>
<tr>
<td>1947</td>
<td>$7,000</td>
</tr>
<tr>
<td>1948</td>
<td>$7,250</td>
</tr>
<tr>
<td>1949</td>
<td>$7,500</td>
</tr>
<tr>
<td>1950</td>
<td>$7,800 (recommended by Dean Bowen)</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Year</th>
<th>University</th>
<th>Department of Economics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949</td>
<td>756</td>
<td>20</td>
</tr>
<tr>
<td>1950</td>
<td>1172 (55% increase)</td>
<td>78 (290% increase)</td>
</tr>
</tbody>
</table>

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.