# MEETING OF THE BOARD OF TRUSTEES

OF THE

# UNIVERSITY OF ILLINOIS

June 20, 1957



The June meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Thursday, June 20, 1957, beginning at 3:00 p.m., Central Daylight Saving Time.

The following members were present: Mr. Cushman B. Bissell, Mr. Wirt Herrick, Mrs. Doris S. Holt, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Park Livingston, Mr. Vernon L. Nickell, Mr. Timothy W. Swain, Mrs. Frances B. Watkins. Governor William G. Stratton and Mr. Kenney E. Williamson were absent.

Also present were President David D. Henry, Vice-President and Provost Henning Larsen, Dr. Herbert E. Longenecker, Vice-President in charge of the Chicago Professional Colleges, Mr. C. S. Havens, Director of the Physical Plant Department, Mr. Ralph F. Lesemann, Legal Counsel, Mr. C. E. Flynn, Director of Public Information; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

#### BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

# AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, 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.

#### Name

THOMAS FREDERICK BENNING ERNEST ALBERT BETTIN SEYMOUR COHEN EDWARD JANG ENG DAVID WILLIAM GODFREY Russell Packard Kneen, Jr. GERALD BRUCE LE VINE Fred Guinn Page John Cornelius Reagan Joseph Leo Roth GILBERT SIEGEL

# Address

Park Forest, Illinois La Grange, Illinois Chicago, Illinois Los Angeles, California Springfield, Illinois Kalamazoo, Michigan Tampa, Florida Nashville, Tennessee San Juan, Puerto Rico Morristown, New Jersey Chicago, Illinois

State from Which They Obtained Certificates District of Columbia Indiana District of Columbia California Missouri Michigan District of Columbia Tennessee Massachusetts New York

District of Columbia

I concur.

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

# APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

(2) On nomination of the Committee on Accountancy, I recommend the appointment of Mr. George Ragland, Jr., A.B., LL.B., S.J.D., 11 South LaSalle Street, Chicago, Illinois, member of the law firm of Sidley, Austin, Burgess, and Smith, to the Board of Examiners in Accountancy for a period of three years beginning July 1, 1957, to replace Mr. Kenneth McCracken whose term will expire June 30, 1957.

On motion of Mr. Johnston, this appointment was approved.

## APPOINTMENTS TO THE FACULTY

- (3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.
- I. ORLA ELBERT ADAMS, Assistant Professor of Business Law, on one-half time, beginning September 1, 1957, at an annual salary of \$3,100 (D50).
- 2. ROBERT N. CORLEY, Assistant Professor of Business Law, beginning September 1, 1957, at an annual salary of \$6,200 (B).
- 3. John Edward Duberg, Professor of Civil Engineering, beginning July 1, 1957, at an annual salary of \$10,500 (A).
- 4. Koichi Kobayashi, Research Assistant Professor of Physics, beginning September 1, 1957, at an annual salary of \$6,850 (DY).
- 5. RAJJESHWAR MITTRA, Visiting Assistant Professor of Electrical Engineering for nine months from September 16, 1957, at a salary of \$6,000 (E).
- 6. ROBERT PRATT, Professor of English, beginning September 1, 1958, to render
- service during one semester of each academic year, at a salary of \$6,600 (G).

  7. Helen G. Rabichow, Consultant, with rank of Associate Professor, in the School of Social Work, beginning September 1, 1957, at an annual salary of
- \$7,000 (D).

  8. Marie A. Rapp, Reference Librarian and Assistant Professor of Library Science, Chicago Undergraduate Division, beginning September 1, 1957, at an annual salary of \$6,850 (BY).
- 9. DAVID G. RAVENHALL, Assistant Professor of Physics, beginning September 1, 1957, at an annual salary of \$7,250 (B).

- IO. LEWIS E. WAGNER, Associate Professor of Economics, beginning September 1, 1957, at an annual salary of \$8,550 (DY).
- II. HENRY W. WYLD, JR., Assistant Professor of Physics, beginning September 1, 1957, at an annual salary of \$7,000 (B).
  12. JIRO YAMASHITA, Research Assistant Professor of Physics, for four months
- from September 16, 1957, at a salary of \$1,725 (G).

On motion of Mr. Herrick, these appointments were confirmed.

#### CHAIRMANSHIP OF DEPARTMENT OF ECONOMICS

(4) Professor H. K. Allen, Chairman of the Department of Economics, has asked to be relieved of the duties of chairmanship effective September 1, 1957. To replace him, the Dean of the College of Commerce and Business Administration recommends the appointment of Professor John F. Bell as Chairman of the Department of Economics for two years beginning September 1, 1957, in addition to his position as Professor of Economics on indefinite tenure. The salary of this position will be determined later when the budget for 1957-58 is prepared and submitted to the Board for approval.

Before submitting this nomination, the Dean consulted the Executive Committee of the Department of Economics in accordance with the provision in the University of Illinois Statutes governing the appointment of a chairman of a department, and the recommendation is supported by the Vice-President and

Provost and the Dean of the Graduate College.

Lconcur

On motion of Mr. Swain, this appointment was approved.

## HEADSHIP OF DEPARTMENT OF FINANCE

(5) The Dean of the College of Commerce and Business Administration recommends the appointment of Dr. Paul M. Van Arsdell, presently Professor of Economics and Associate Dean of the College of Commerce and Business Administration. istration, as Professor of Finance on indefinite tenure and Head of the new Department of Finance beginning September 1, 1957. The salary of this position will be determined later when the budget for 1957-58 is prepared and submitted to the Board for approval. Professor Van Arsdell will give up the position of Associate Dean.

All members of the new Department of professorial rank have been consulted in accordance with the provision in the University of Illinois Statutes governing the appointment of a head of a department, and the recommendation is supported by the Vice-President and Provost and the Dean of the Graduate College.

I concur.

On motion of Mr. Johnston, this appointment was approved.

# CHANGE IN STATUS OF ROBBEN W. FLEMING

(6) Professor Robben W. Fleming, who has been serving as Director of the Institute of Labor and Industrial Relations since September 1, 1952, and the Dean of the College of Law have jointly requested his transfer to the faculty of the

College of Law as Professor of Law beginning September 1, 1957.

It is understood that Professor Fleming will continue as Director of the Institute of Labor and Industrial Relations during the academic year 1957-58, or until his successor as Director of the Institute is appointed in case such an appointment is made before June, 1958, and will teach part time in the College of Law during 1957-58. Thereafter he will become a full-time member of the Law faculty and an associate member of the faculty of the Institute of Labor and Industrial Relations. He will teach courses in the field of labor law, an area to be expanded in the College of Law curriculum.

I have approved this transfer and request confirmation of my action.

On motion of Mr. Nickell, the President's action was confirmed.

#### CANCELLATIONS OF SABBATICAL LEAVES OF ABSENCE

(7) The sabbatical leaves of absence granted the following members of the faculty have been cancelled, on their request and without prejudice. Giulio Ascoli, Assistant Professor of Physics

Dallas W. Smythe, Professor of Economics and Research Professor in the Institute of Communications Research

CLARENCE W. STONE, Professor of Library Science

Confirmation of this action is requested.

On motion of Mr. Hughes, this action was confirmed.

# RANK OF CLINICAL ASSOCIATE IN THE COLLEGE OF MEDICINE

(8) The University Senate recommends the establishment of the rank "clinical associate" for certain appointments to the nonsalaried faculty of the College of Medicine. This involves an amendment of the revised University of Illinois Statutes, approved by the Board of Trustees January 16, 1957, to become effective September 1, 1957, in Section 35, paragraph (c), the revised paragraph to read (new language is in italics):

The following academic ranks are recognized: professor, associate professor, assistant professor, instructor or research associate, and assistant. For the College of Medicine the rank of clinical associate is also recognized. Appropriate academic rank, with the rights and privileges pertaining thereto, may be accorded members of the administrative staff.

I concur in this amendment.

On motion of Mrs. Watkins, this amendment was adopted.

#### AMENDMENT OF UNIVERSITY STATUTES

(9) The University Senate recommends that the revised University of Illinois Statutes, approved by the Board of Trustees on January 16, 1957, be amended by the addition to Division III, Subdivision C-1, a new Section 18-2:

# Professional Colleges at Urbana-Champaign

Section 18-2. (a) The College of Veterinary Medicine of the Urbana-Champaign campus of the University is a professional college within the meaning of this Section.

(b) The supervision of student affairs of students enrolled in the College of Veterinary Medicine, excluding discipline, is the responsibility of the College of Veterinary Medicine. A Committee on Student Affairs shall be elected by the

Faculty of the College.

(c) Student discipline for students enrolled in the College of Veterinary Medicine shall be administered by the Committee on Discipline of the Urbana-Champaign Senate in accordance with the provisions of Section 6, paragraph (h). The Senate Committee on Student Discipline shall, after consulting the Dean of the College of Veterinary Medicine, appoint a subcommittee on discipline for the students enrolled in the College. The Senate Committee on Student Discipline shall hear and decide cases appealed to it from this subcommittee. The provisions of Section 6, paragraph (h), relating to the formulation of procedures and original and appellate jurisdiction of the Senate Committee, shall apply to disciplinary cases hereunder.

This amendment was proposed by the faculty of the College of Veterinary Medicine and recommended by a special committee appointed by the Vice-President and Provost to consider the change. It is consistent with a similar amendment approved by the Board of Trustees on March 12, 1957, with respect to administration of student discipline and student affairs in the College of Law.

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

## CHANGES IN ORGANIZATION OF SCHOOL OF PHYSICAL EDUCATION

(10) The Director of the School of Physical Education recommends the following administrative changes in the organization of the School, effective September I,

The name of the School shall be changed to College of Physical Education.

The chief executive officer shall be the Dean of the College.

There shall be established a new Department of Health and Safety Education. Instruction in this field is now being given jointly by the Department of Physical Education for Men and the Department of Physical Education for Women. The program is administered and staffed by specialists and offers an undergraduate curriculum leading to the Bachelor of Science degree, graduate work leading to the Master of Science degree, and provides for teacher certification in the areas of health education and driver education.

There shall be established a new Department of Recreation. Instruction in this field is now being offered jointly by the Departments of Physical Education for Men and Physical Education for Women. The program is administered and staffed by specialists and offers a curriculum leading to the Bachelor of Science degree, and graduate work leading to the Master of Science degree.

The Vice-President and Provost concurs, and the University Senate has been informed of these proposals.

I recommend approval.

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

#### CHANGES IN ORGANIZATION OF SCHOOL OF JOURNALISM AND COMMUNICATIONS

(11) The Director of the School of Journalism and Communications recommends the following administrative changes in the organization of the School, effective September 1, 1957:

The name of the School shall be changed to College of Journalism and Communications.

The chief executive officer shall be the Dean of the College.

The Institute of Communications Research, presently administered under the Graduate College, shall be transferred to the College of Journalism and Communications, with the Director of the Institute reporting to the Dean of the College.

The Office of Broadcasting shall become the Division of University Broadcasting. The instructional units of the College of Journalism and Communications shall be designated as Divisions, i.e., Division of Journalism, Division of Advertising, and Division of Radio and Television, and the administrative officer of each shall be designated as Head of the Division.

The Vice-President and Provost concurs, and the University Senate has been informed of these proposals.

I recommend approval.

On motion of Mr. Swain, these changes were approved.

# CHANGE IN REQUIREMENTS FOR MASTER'S DEGREE IN LIBRARY SCIENCE

(12) The University Senate recommends that the requirements for the master's degree in Library Science be reduced from nine to eight units. This proposal was initiated by the faculty of the Library School and was approved by the Executive Faculty of the Graduate College.

The Director of the Library School presents the following reasons for this change: As the master's degree in the Library School is now organized, an undergraduate basic curriculum of twelve semester hours and nine units of graduate work are required. By starting in the summer session a student is expected to complete this program in a calendar year, but because of the five-unit schedule of graduate courses which falls in one semester, many students remain an additional summer to avoid overloading. Present heavy requirements are also out of line with other leading library schools.

I concur and recommend that this change become effective at the beginning of the academic year 1957-58.

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

# CHANGE IN REQUIREMENTS FOR GRADUATION IN THE COLLEGE OF LAW

(13) The University Senate recommends that effective September 1, 1958, the requirements for the degree of Bachelor of Laws (LL.B.) be changed by add-

ing the requirement of one course in legal theory or legal philosophy. The requirements would then read (the italics indicates the changes in the requirements):

All students who enroll in the College of Law as candidates for the degree of Bachelor of Laws (LL.B.) shall, as conditions to receiving that degree, have studied in residence for a minimum period equal to six semesters and shall have earned ninety semester hours of law credit with an average grade of at least C (3.0). During this period, as further conditions to receiving the degree, the candidates must have pursued the courses of the first year of the law curriculum and have obtained credit in one seminar course in advanced work and in one course in legal theory or legal philosophy selected from a group of courses to be designated by the faculty of the College of Law.

The College of Law faculty has selected the following courses, each to be offered for three hours of credit, as an indication of the type of courses involved: International Law, Comparative Law, Legal History, Jurisprudence, Law and Society. However, the faculty would prefer that this list of courses remain flexible, and not be stereotyped by formal action.

I concur.

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

## CHANGES IN CURRICULUM IN CERAMIC ENGINEERING

(14) The University Senate recommends adoption of a revised curriculum in Ceramic Engineering which includes the following specific changes in graduation requirements:

In the second semester of the sophomore year:

Economics 108 (Elements of Economics) is a required course in place of the nontechnical elective.

In the first semester of the junior year:

Ceramic Engineering 205 (Ceramic Technology, three hours) and Ceramic Engineering 222 (Porcelain Enamels, three hours) are added to replace Ceramic Engineering 201 (Ceramic Technology, five hours).

Ceramic Engineering 205 is a reorganization of the material given in Ceramic

Engineering 201 with the elimination of the laboratory work.

The total number of hours is increased from eighteen to nineteen with a corresponding reduction in the first semester of the senior year.

In the second semester of the junior year:

Ceramic Engineering 214 (Elementary Glass Technology) is a required course in place of the three hours of technical elective.

Ceramic Engineering 206 is essentially the same as the previous course Ceramic Engineering 202 (Ceramic Technology) with minor changes in the course content.

course content.

The required course Economics 108 is changed to the second semester of the sophomore year.

The course Ceramic Engineering 260 (Structural Engineering) is changed from the first semester of the senior year to the second semester of the junior year to obtain better balance in the over-all program.

In the first semester of the senior year:

A new course, Ceramic Engineering 200 (White Ware Bodies and Glazes, three hours), is required in place of Ceramic Engineering 211 (Ceramic Bodies and Glazes, five hours).

In place of the three hours made available by the transfer of Ceramic Engineering 260 to the junior year there are the three hours of nontechnical electives from the sophomore year.

Technical electives were increased from two to three hours this semester. The total requirements are reduced from eighteen to seventeen hours in this semester.

There are no changes in the second semester of the senior year.

A copy of the complete outline of this revised curriculum is filed with the Secretary of the Board for record.

I concur.

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

# USE OF WRIGHT FARMS BY AGRICULTURAL EXPERIMENT STATION

(15) The Board of Trustees has authorized the transfer of eighty acres of Wright Farm No. 7 in DeKalb County, which is part of the Harry G. Wright and Harriette A. Wright Endowment, from operation as an income-producing farm to the Agricultural Experiment Station for use as the Northern Illinois Experiment Station Field, replacing land formerly leased and no longer available for this purpose. Residents of DeKalb County have contributed funds, totaling \$31,070, for improvements on this field, such as construction of buildings, fences, and for purchase of equipment.

It is the desire of the Agricultural Experiment Station staff that the entire one hundred sixty acres of this farm be eventually transferred from farm operations to experiment field operations as the needs of the Department of Agronomy require it. In 1952, twenty acres were so transferred, making one hundred acres

now being used as an experiment field.

On recommendation of the Dean of the College of Agriculture and the Director of the Experiment Station and the Vice-President and Comptroller, I request confirmation of this transfer, and I further recommend that (a) the Board authorize the transfer of the remaining sixty acres of Wright Farm No. 7 at such times and in such parcels as the experimental program requires; (b) whenever the land is no longer needed as an experimental field it be transferred to farm operations for the benefit of the Endowment. The land involved is the north half of the southwest quarter of Section 23, Township 39 North, Range 3 East of the 3rd Principal Meridian in DeKalb County.

The use of this land as an experimental field is consistent with the late Senator Wright's bequest of his estate to the University that it be used "for the purpose of promoting agricultural education and for founding scholarships, but nevertheless the use made of the devise and bequest hereunder shall rest in the

sole discretion and judgment of said Board of Trustees."

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

# LEASE OF QUARTERS IN LA SALLE HOTEL FOR ILLINI CENTER

(16) The Vice-President and Comptroller recommends renewal of the lease of the present quarters in the LaSalle Hotel for the Illini Center for a period of two years from July 1, 1957, at an annual rental of \$7,800, which is the present rate. There are approximately 2,900 square feet of space in this area, so that the rental is \$2.66 per square foot. The management of the Hotel has indicated willingness to continue the lease for an additional two years at this rental.

I concur.

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

# CONTRACT WITH CONSULTING ENGINEERING SERVICE

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend a contract with Consulting Engineering Service, Champaign, for engineering services on heating, ventilating, air conditioning, and electrical work for University improvement and maintenance jobs which, because of the small amount of work to be done, do not justify separate contracts for each. In the past this type of contract has been very useful to the Physical Plant Department to supplement the work of its engineers, and it is more economical than increasing the permanent staff.

The partners and most of the technical staff of the Consulting Engineering Service are graduates of the University, and the firm has indicated its interest in continuing doing University work on the following terms:

Services of principals in the firm to be paid for at the rate of \$6.50 per hour. Services of other personnel to be paid at their regular hourly wage rates.

Services performed on overtime basis to be paid for at the regular hourly rates unless such overtime work is specifically requested by the University and the

rates are agreed upon in advance.

Payments shall be on a monthly invoice basis; before any payment is made the

University may audit or otherwise verify the invoice.

The fee for services on any specific project shall not exceed \$2,500.

The contract may be terminated by the University at any time on written notice.

The Committee on Buildings and Grounds has been consulted regarding this contract and is prepared to support the recommendation.

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

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

### CONTRACT FOR LANDSCAPING OF RESIDENCE HALLS AND BAND BUILDING AREAS

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$15,348.50 to Irving L. Peterson, Landscape Architect, Champaign, for landscaping (including fine grading, lawn seeding, planting of trees and shrubs) the Men's Residence Halls Additions three and four. and the Band Building areas.

For payments on this contract, \$6,437.25 will be assigned from the proceeds of the issue of Dormitory Revenue Bonds of 1956 and \$8,911.25 from the state appropriation for the construction of the Band Building.

I concur and recommend that the Comptroller and the Secretary of the Board

be authorized to execute this contract.

On motion of Mr. Swain, this contract was awarded, and the Comptroller and the Secretary of the Board were authorized to execute the same.

#### CONTRACT FOR PLASTERING AND ACOUSTICAL WORK

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract to Edmond T. Drewitch, Urbana, the lowest bidder, for maintenance, plastering, patching repairs, and acoustical installations work to be done as needed, for the fiscal year beginning July 1, 1957, on the basis of the following terms: \$2.25 an hour for trucking of equipment and materials for actual time used solely for transportation, provided that not over 10 per cent of one job will be charged to trucking costs unless the total costs are \$25.00 or less, and contractor's fee of 19 per cent of all job costs.

I concur and recommend that the Comptroller and the Secretary of the Board

be authorized to execute this contract.

On motion of Mr. Nickell, this contract was awarded, and the Comptroller and the Secretary of the Board were authorized to execute the same.

#### CONTRACTS FOR REMODELING IN DENTISTRY-MEDICINE-PHARMACY BUILDING

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts to the Mutual Contracting Company, Chicago, the lowest bidder, for remodeling in the Dentistry-Medicine-Pharmacy Building as follows:

For alterations of quarters for the Department of Dental Histology......\$35 274 The work will consist of remodeling rooms on the tenth floor of the second unit of the building and will include installation of new partitions to increase the number of rooms in the area, installation of new laboratory furniture and the necessary utility services, improvements in lighting, and general rehabilitation of the area.

For alterations of quarters of the Department of Biological Chemistry.... 10 256 The work will consist of remodeling rooms in the first unit of the building, including improvements in lighting, installation of new laboratory furniture and the necessary utility services, and general rehabilitation of the area.

Both projects are a part of the federal matching funds program for expansion of health research facilities. Funds are available in a federal grant (U.S. Public Health Service RC-88-College of Dentistry—Dental Research Laboratory) and in the Revenue Bonds of 1951 - Construction Fund Account for the first project;

and in a federal grant (U.S. Public Health Service RC-90-Medicine — Biological Chemistry Remodeling) and in the state appropriation for 1955-57 "For rehabilitation and remodeling and minor additions to existing buildings at Urbana-Champaign and at the Chicago Professional Colleges" for the second.

I concur and recommend that the Comptroller and the Secretary of the Board

be authorized to execute these contracts.

On motion of Mrs. Watkins, these contracts were awarded, and the Comptroller and the Secretary of the Board were authorized to execute the same.

# CONTRACT FOR INSTALLATION OF PNEUMATIC TUBE SYSTEM IN THE RESEARCH AND EDUCATIONAL HOSPITALS

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$3,200 to the Lamson Corporation, Chicago, for installation of a pneumatic tube system in the Hospital Laboratories of the Research and Educational Hospitals.

The work will consist of installation of a tube station in the Hospital Laboratories and connection of this station to the central dispatching system of the medical records room. It is a part of the remodeling of the Hospital Laboratories now being done under the federal matching funds program for improvement and expan-

sion of health research facilities.

Funds are available in a federal grant (U.S. Public Health Service RC-87-Remodeling Research and Educational Hospitals Laboratories) and in the state appropriation for 1955-57 "for rehabilitation and remodeling and minor additions to existing buildings at Urbana-Champaign and at the Chicago Professional Colleges."

I concur and recommend that the Comptroller and the Secretary of the Board

be authorized to execute this contract.

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

## CONTRACTS FOR COAL PURCHASES FOR ABBOTT POWER PLANT

(22) The Director of Purchases, the Vice-President and Comptroller, and the Director of the Physical Plant recommend award of the following contracts for 130,000 tons of coal screenings to be delivered to the Abbott Power Plant during the period July 1, 1957, through June 30, 1959:

	F.O.B. Mine	Freight	Total Cost
United Electric Coal Company, Chicago 30,000 tons @ \$4.50		\$38 400	\$173 400
Indiana 22,000 tons @ \$4.85 Republic Coal and Coke Company, Peoria	106 700	28 160	134 860
78,000 tons @ \$4.75	370 500	99 840	470 340

Sealed bids on uniform specifications were opened on May 24, 1957. Invitations were sent to twenty-four producers and sales agencies and advertisements were

published in three daily papers.

The bids are evaluated in the terms of the number of British Thermal Units purchased for one cent based on guaranteed analysis. A continuous check is maintained to insure compliance with specifications. The United Electric Coal Company, Bell and Zoller Coal Company, and Republic Coal and Coke Company are the lowest bidders. It is advantageous to have contracts with three sources of supply to be assured of delivery of coal at all times.

A two-year contract is being recommended to enable the mines better to plan future operations, development, and expansion, and to assure the University of a

continued reliable source of supply.

The prices quoted are based on present wage scales and are subject to increase or decrease in event that wage contracts now in effect are changed. Any such change will affect the price to the extent that production costs are increased or

decreased by the new contracts. The University may cancel the balance of the purchase contract if it believes that any price adjustment is not justified.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute contracts as recommended, subject to the approval by the Governor as required by the state constitution.

On motion of Mr. Johnston, these contracts were awarded, as recommended, and the Comptroller and the Secretary of the Board were authorized to execute the same.

# CONTRACTS FOR COAL AND FUEL OIL FOR MEDICAL CENTER STEAM PLANT

(23) The Director of the Physical Plant, the Business Manager of the Chicago Colleges, and the Vice-President and Comptroller recommend award of a contract to the Crerar Clinch Coal Company, 3552 West Division Street, Chicago, the lowest bidder, for 18,000 tons of screenings coal to be delivered to the Medical Center Steam Company Plant, operated by the University, as required during the period August 1, 1957, to June 30, 1958, at a per ton cost of \$4.65, plus transportation of \$1.36, plus \$1.28 for handling, storage, and delivery, or a total estimated cost of \$131,220.00. This price is based on the present wage scale and is subject to increase or decrease in the event that wage contracts now in effect are changed, and any such change affects the price to the extent that production costs are increased or decreased by new freight rates or wage contracts. The University has the right of approval of any such increase in price.

The lowest bid is determined by the number of British Thermal Units per one cent of cost based on guaranteed analysis. A continuous check is provided at the

Steam Plant to insure compliance with the specifications.

The above named officers also recommend the purchase of a minimum of 8,000 gallons of No. 6 fuel oil with the option of purchasing as much more as may be required for emergency use, but not to exceed 450,000 gallons, from the Jewett and Sowers Oil Company, 2480 South Archer Avenue, Chicago, the lowest bidder, at a price not to exceed \$0.0973 per gallon subject to adjustment in accordance with the posted price variations published in the Wall Street Journal. On the basis of the maximum price quoted, the total cost of 8,000 gallons would be \$778.40, and of 450,000 gallons, \$43,785.

of 450,000 gallons, \$43,785.

The Medical Center Steam Company Plant is equipped to burn either coal, gas, or oil. Winter operation has been with coal, and summer operation has been with gas. The purchase of fuel oil is recommended for stand-by service. If used for emergency operation instead of gas or coal, there will be a corresponding

reduction in expenditures for these two fuels.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute the contracts for these purchases, subject to approval by the Governor as required by the state constitution.

On motion of Mr. Bissell, these contracts were awarded, as recommended, and the Comptroller and the Secretary of the Board were authorized to execute the same.

# PURCHASE OF QUONSET BUILDING FOR INSTITUTE OF AVIATION

(24) The Institute of Aviation is in need of additional facilities to house its instructional program in aircraft maintenance. From a small group of eight students in the first class of this two-year terminal program in 1948, the enrollment grew to ninety-three last year, and it is estimated that there will be one hundred and twenty students in September, 1957. As the program has developed, the curriculum has shared space facilities of the main aircraft maintenance shop at the Airport. This is no longer feasible because of the increased size of the student body and shop needs for additional space.

A Quonset building, similar to the buildings currently used at the Airport, will fulfill the requirements. The total cost of the building is \$11,408.72; an additional \$7,000 is necessary for foundation, floor, and electrical installations. The Institute of Aviation can provide \$8,408.72 so that an appropriation of \$10,000 from general

University funds is needed.

The Director of the Institute of Aviation and the Vice-President and Comp-

troller recommend the purchase of a building from Harshbarger Building and Supply Company, Urbana, at a price of \$11,408.72.

I concur and recommend that an appropriation of \$10,000 be made from the

General Reserve Fund for this purpose.

On motion of Mr. Swain, this purchase was authorized, as recommended, and an appropriation of \$10,000 was made from the General Reserve Fund for this purpose. This action was taken by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mrs. Holt, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins: no. none: absent, Mr. Stratton, Mr. Williamson.

#### HOSPITAL-MEDICAL-SURGICAL INSURANCE FOR STUDENTS AND STAFF

(25) Bids have been received for the student and staff hospital and medical insurance programs for 1957-58 with the right reserved by the University to renew such insurance annually thereafter upon mutual agreement between the University and the insurance company.

The student program at the Urbana Campus provides essentially the same benefits as have been provided for the past two years with three minor changes as

follows:

1. One day coverage extended to seven days for emergency outpatient treatment.

2. Hospital residence is waived for surgical benefits to apply.

3. Thirty-day waiting period eliminated for coverage of newly born children.

In addition to the changes above, the student program at the Undergraduate Division at Navy Pier has improved benefits to meet its unique problems as follows:

1. The \$225.00 surgical schedule is increased to \$300.00.

2. The per diem room and board allowance is increased from \$11.00 to \$15.00.

3. Physician's visits for home confinements are revised, to be effective with the first rather than third visit; and the first \$20.00 of drugs and medicines are covered, rather than having the first \$5.00 paid by the insured.

The staff benefits are expanded in the following areas:

1. The \$150.00 surgical schedule is increased to \$225.00 and the hospital residence requirement is waived.

2. Hospital charges for dental treatment or dental surgery are covered.

Thirty-day waiting period eliminated for coverage of newly born children.

Bids were also received as an alternative on the present benefits under both plans, but they are not recommended for consideration because increased benefits

outlined above can be obtained at a lower premium cost.

It is recommended that a contract for both the student and staff coverage be awarded to Bankers Life and Casualty Company, represented by O. J. Wheeler, Chicago, lowest bidder for both programs at \$461,610, as per Board Policy C, 3 on insurance, and that charges to students and staff for this insurance be the following premiums, which are identical to those charges currently in effect.

Students	Per Semester	•	Per Year	
Student only	. \$700		\$21 00	
Student and family			\$57 00	
			Semi-	
Faculty-Staff	Monthly	Quarterly	Annual	Annual
Employee only	. \$ 2 75	\$ 7 75	\$15 25	\$30 25
Employee and one dependent	. 500	14 50	28 75	57 25
Employee and two or more dependents.	. 575	16 75	33 25	66 25
0 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 '11		36	1 1

On the basis of these rates, the plans will operate on a self-sustaining basis. The excess over the cost of the coverage would be used by the University to defray the administrative costs of the two programs.

I concur in the recommendation for the award of this contract.

On motion of Mr. Swain, this matter was referred to the Executive Committee with power to act.

#### **PURCHASES**

## Purchases Authorized

(26) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller.

Item	Department	Vendor	Cost
Four 5-horsepower packaged air-condi- tioning units with remote air cooled condensers, 208-volt, 3-phase, 60-cycle	Physical Plant	Automatic Comfort Engineering Supply Co., Aurora	\$4 528 00 f.o.b. delivered
Window air conditioners: Nine 1-horsepower Nine 1½-horsepower	Physical Plant	Klaus Radio & Electric Co., Peoria	4 416 40 f.o.b, Peoria

The following purchase was approved by the Vice-President and Provost, acting for the President, pursuant to authorization by the Board of Trustees to act on recommendations for purchases under International Cooperation Administration Contracts. The purchase will be from funds supplied by the International Cooperation Administration under its contract with the University for educational services to institutions of higher education in India.

I tem	Department	Vendor	Cost
One rotary dryer, direct heat type, 200° to 1400° F, size 18 in. diameter x 11 ft. long, complete with heaters, blowers, and electric drive motors, for 220-volts 50-cycle operation	International Cooperation Administration Contracts	Denver Equipment Co., Denver, Colo.	\$5 874 00 f.a.s. Port

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

## Purchases Recommended

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

I concur.	24000 01 -0 , 000 0.		
Item	Department	Vendor	Cost
1,800 cases (approximately) Pyrex (borosilicate) laboratory glassware to be ordered and delivered as required	General Chemical Stores	A. S. LaPine & Co., Chicago (200 cases) E. H. Sargent & Co.,	\$6 000 00
for the year ending June 30, 1958		Chicago (200 cases)	6 000 00
		Schaar & Co., Chicago (200 cases) Wilkens-Anderson Co.,	6 000 00
		Chicago (200 cases) Central Scientific Co.,	6 000 00
		Chicago (200 cases) Chicago Apparatus Co.,	6 000 00
		Chicago (200 cases) Fisher Scientific Co.,	6 000 00
		Chicago (200 cases) American Hospital Suppl	6 000 00 y.
		Evanston (100 cases) A. Daigger & Co.,	3 000 00
		Chicago (100 cases) W. M. Welch Manufacturing Co., Chicago	3 000 00
		(100 cases) Rascher & Betzold,	3 000 00
		Chicago (100 cases) Total, f.o.b. Urbana	3 000 00 (54 000 00)
One Remington-Rand type 1125 mag- netic storage drum Sixty part No. 16501 type 200D1 read/ write heads for the drum	Digital Computer Laboratory	Remington-Rand Univac Division, Sperry Rand Corp., St. Paul, Minn.	10 120 00 f.o.b. St. Paul, Minn.
Eighteen type 6810 RCA photomulti- plier tubes	Physics	Newark Electric Co., Chicago	3 239 10 f.o.b. delivered
Fabrication of one precision turntable for Varian magnet	Physics	Burns Machine Co., Ottawa	2 600 00 f.o.b. Urbana
One six-channel recording oscillograph to be used in the teaching and re- search of the relation of functions of the heart and blood vessels and experi- mental hypertensions	Physiology (Medicine)	Grass Instrument Co., Quincy, Mass.	3 116 00 f.o.b. Quincy. Mass.

Item	Department	Vendor	Cost
Whole blood to be supplied as needed by the Blood Bank	Blood Bank, Research and Educational	Interstate Blood Bank, Inc., Memphis Chicago Blood Donor	\$10 000 00
	Hospitals	Service, Chicago Michael Reese Founda-	10 000 00
		tion, Chicago Mt. Sinai Research	5 000 <b>00</b>
One 250,000-volt X-ray therapy unit	Radiology,	Foundation, Chicago Picker X-Ray Corp.,	5 000 00
One 40,000- to 120,000-volt superficial treatment X-ray unit One floor rail mounted treatment	Research and Educational Hospitals	Chicago (items 1 and 2)	19 875 00 f.o.b. Cleveland
stretcher One mobile treatment stretcher	-	Standard X-Ray, Chicag (items 3 and 4)	o 2 946 00 f.o.b. Chicago
		Total Estimated freight charges	(22 821 00) (300 00)
Two 300,000-volt X-ray therapy units with intracavity localizer	Radiology, Research and Educational Hospitals	General Electric X-Ray Division, Chicago	40 353 30 delivered
Optical goods, services and repairs of spectacles for patients as required on prescriptions and authorization of the Illinois Eye and Ear Infirmary Staff, for the period July 1, 1957, through June 30, 1958, subject to automatic renewal for one additional year at the same schedule of prices if mutually agreeable; the total number of prescriptions will be approximately 7,500	Illinois Eye and Ear Infirmary	American Optical Co., Chicago	45 000 00 (esti- mate)
Linen service consisting of uniforms, aprons, pants, coats, and towels supplied on a rental basis to the respective food service units for the two-year period beginning July 1, 1957	Food Service Departments, Chicago Colleges	American Linen Service, Chicago	11 828 40 annual expendi- tures
Continuous cloth towel service (approximately 15,000 50 yards x 12 inches roller towels) as needed during the period July 1, 1957, through June 30, 1958, in various areas of the Chicago Professional Colleges and the Chicago Undergraduate Division; service agreement renewable for one year if agreeable to both parties	Physical Plant, Chicago Colleges	American Linen Supply Co., Chicago	6 750 00 (esti- mate)
Laundry service for various depart- ments for the two-year period begin- ning July 1, 1957	All departments at Urbana- Champaign requiring laundry service	Midstate Linen Supply, Inc., Urbana Model Souders, Inc., and White Line Laundry, Inc., Champaign Total	94 258 80 6 912 00 (101 170 80)
Food service clothing rental service for the two-year period from July 1, 1957, through June 30, 1959, for: 64,000 coats, military collar, white 100,000 aprons, bib and waist types, white	lllini Union, Residence Halls, Home Economics	Midstate Linen Supply, Inc., Urbana	24 000 00 (esti- mate)
Uniform and linen rental service as required by College of Veterinary Medicine for the two-year period beginning July 1, 1957	Veterinary Clinical Medicine	Midstate Linen Supply, Inc., Urbana	7 117 76 (esti- mate)
Uniforms for advanced R.O.T.C. students for the year 1957-58: 240 (approximately) Army uniforms 90 (approximately) Air Force uniforms	Armed Forces	Bailey's, Inc., Chicago	41 020 00
Binding for all University libraries at Urbana, Chicago Professional Col- leges, and Chicago Undergraduate Division for the two-year period begin- ning July 1, 1957	Library	Hertzberg-New Method, Inc., Jacksonville For Urbana For Chicago Profes- sional Colleges For Chicago Under- graduate Division Total	Approximate cost: 110 000 00 10 000 00 5 000 00 (125 000 00)
Photoengraving services during the two- year period from July 1, 1957, to June 30, 1959	Various depart- ments at Urbana- Champaign	Bloomington Engraving Co., Bloomington	30 000 00 f.o.b. delivered

Item	Department	Vendor	Cost
Affiliation fee for television program service for period of July 1, 1957, through June 30, 1958 (this service is for the distribution of educational films throughout the United States)	Television- Motion Pictures	Educational Television and Radio Center, Ann Arbor, Mich.	\$ 6 000 00 f.o.b. delivered
700 reams (46,000 lbs.) 70 lb. substance folding enamel book paper	Office Supply Storeroom	Marquette Paper Corp., Chicago	8 643 75 f.o.b. delivered
500 reams 25 x 38 40 lb. white Ibsen English finish book paper	Office Supply Storeroom	Marquette Paper Corp., Chicago	3 500 00 f.o.b. Urbana
746 window shades and rollers including installation in Lincoln Avenue Resi- dence Hall addition	Housing Division	Johnson Shade Shop, Champaign	3 348 oo installed
For the Lincoln Avenue Residence Hall addition: 700 satin brass finish study lamps 60 size B CLM reflectors	Housing Division	National Lighting Equipment Co., Inc., Cleveland, Ohio	3 925 00 f.o.b. Cleveland, Ohio
Incandescent and fluorescent lamps to be ordered as required by the Urbana campus and Chicago branches during the two-year period from July 1, 1957, through June 30, 1959	Physical Plant	Tepper Electric Supply Co., Champaign	70 082 25 f.o.b. delivered
Twenty-six museum show cases for Band Building	Physical Plant	S. Buckman Furniture & Supply Co., Spring Valley	f.o.b. f.o.b. delivered and installed
Furnish all labor and materials for re- pair of one bridge and three culverts at Robert Allerton Park	Extension Service in Agriculture and Home Economics	Lynne Meyer, Contractor, Champaign	4 650 00
Approximately 500,000 lbs. Grade "A" Louisiana rock salt, water softener grade, to be delivered as required from July 1, 1957, through June 30, 1958	Physical Plant	International Salt Co., Inc., St. Louis, Mo.	9 000 00 f.o.b. delivered
Approximately: 50 tons of ½ in. screened rock chips 2,100 tons of No. 8 crushed stone road binder 175 tons of Class X crushed rock To be delivered by truck to various job sites on the Urbana campus as needed for the period July 1, 1957, through June 30, 1958	Physical Plant Storeroom	Material Service Corp Chicago	6 868 75 f.o.b. job site
Approximately 1,200 tons pea-size coke to be delivered to Illini Village and Stadium Terrace housing units as re- quired during the year ending June 30, 1958	Housing Division	Mooney Coal Co., Urbana	28 740 00 (esti- mate)
340,000 gallons No. 5 grade fuel oil for the Chicago Undergraduate Division heating plant for the 1957-58 season	Physical Plant, Chicago Undergraduate Division	Jewett & Sowers Oil Co., Chicago	34 646 00 (esti- mate)
Aviation gasoline as follows: 200,000 gals. approximately 80/87 octane 80,000 gals. approximately 91/96 octane 40,000 gals. approximately 100/130 octane	Institute of Aviation	The Texas Co., Chicago	71 336 00 f.o.b. delivered
One 1957 four-door station wagon (V8 motor) One truck—cab and chassis (two-ton) One truck—cab and chassis (two and one-half ton) Less trade-in allowance for: 1954 four-door Ford country station wagon, six-cylinder, mileage, 54,327; 1953 International 180 series, mileage, 37,550; 1946 K7 International chassis, mileage, 52,680	Physical Plant, Chicago Colleges	Bill Jacobs Chevrolet, Inc., Joliet (station wagon) Hartigan Chevrolet, Inc., Chicago (truck, two-ton) Associated GMS Truck Co., Chicago (truck, two and one- half ton) Total	1 354 00 2 300 00 2 460 00 (6 114 00)
One tractor-mower combination, five gang, with hydraulic power lift system for raising mower units; this replaces 1948 model Worthington tractor-mower	Physical Plant	Spences' Power Equipment Co., Springfield	4 260 00 f.o.b. delivered

Comprehensive fleet automobile bodily injury and property damage liability insurance at liability limits of \$50,000/250,000 bodily injury and \$25,000 property damage covering all owned, non-owned, and hired vehicles used in the pursuit of University business; coverage is to be written for five years on an annual premium basis with initial estimated premium of \$6,302.37  One model 5 polygraph, two-channel, Grass type One model 5 polygraph, four-channel, Grass type Two preamplifiers (5P3 and 5P4) Two force transducers (FT-03) Two preamplifiers, low level, D.C5P1  Wilcox-Davis, Champaign, S Co., Reading, Pa.  Wilcox-Davis, Champaign, representing the American Casualty Co., Reading, Pa.  Physiology Grass Instrument Co., Quincy, Mass.  Grass type  One model 5 polygraph, four-channel, Grass type Two preamplifiers (5P3 and 5P4) Two force transducers (FT-03) Two preamplifiers, low level, D.C5P1	st
Grass type One model 5 polygraph, four-channel, Grass type Two preamplifiers (5P3 and 5P4) Two force transducers (FT-03) Two preamplifiers, low level, D.C5P1	: 37
	b. су,
One computer group type K including power supply, control circuits, function generator, and eight pot-padder chassis type 16-33B	b. 1 <b>g</b> 1ch,
Eighty-eight 3 ft. x 6 ft. Formica top tables 660 side chairs with Naugahyde seats Eight servers with Formica tops 460 ft. Restaurant Equipment & Supply Co., Inc., Champaign 660 ft. Champaign	b.
Twenty rugs for Lincoln Avenue Resi- Housing Division A. D. Sackett, 9 996 dence addition Champaign f.o.l	b.
Lounge furniture for Lincoln Avenue Housing Division Residence addition Housing Division Chicago Canada Brothers, Inc.,	
Chicago 13 919 Marshall Field & Co.,	-
Chicago 3 597 L. B. Herbst Corp., Chicago 517	7 35
Office furniture for administrative offices in new Band Building University of Illinois Bands Bloomington f.o.l delive and instal	50 b. ered d
One 1957 truck, one and one-half ton capacity with V-8 engine, four-speed transmission and dump body  One 1957 truck, one and one-half ton capacity with V-8 engine, four-speed transmission and dump body  One 1957 truck, one and one-half ton Champaign  Dana Hudelson, Inc., 3 146  Champaign  Output  Out	b.

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

# COMPTROLLER'S REPORT OF CONTRACTS

(27) The Comptroller's report of contracts executed during the period May 1 to 31, 1957.

With Whom	Purpose	A mount to be Paid to the University	Effective Date
Association of American Railroads	Development of lateral and longitudi- nal distribution of loading in railway bridges	\$6 000 00	January 1, 1957
State of Illinois	Planning programs for Illinois munici- palities	4 000 00	May 7, 1957
United States Army DA-11-175-AV-1939	Instruction of military personnel	Rates per contract	April 5, 1957
With Whom	Purpose	Amount to be Paid by the University	Effective Date
Museum of Modern Art of New York City	Exhibit at the Chicago Undergraduate Division	\$ 185 00	April 18, 1957
Northern Wyoming Community College	For geology field summer school	\$500.00 for the first twenty students and 25.00 each for each student over twenty	May 8, 1957
	Leases		
With Whom	Purpose	Amount to be Paid by the University	Effective Date
International Harvester Co.	Model 350 utility tractor	\$ 337 42 annual rental	March 15, 1957
Papec Machine Co.	Model 92 Papec forage harvester	262 30 annual rental	May 13, 1957

# Contract Changes

With Whom	Purpose	Amount to be Paid to the University	Effective Date
International Minerals & Chemical Corp.	Determining exchangeable magnesium in soils	\$2 000 CO	February 1, 1957
United States Army DA-18-108-CML-5365	Treatment of poisoning by nerve gases and pulmonary irritants	25 000 00	April 18, 1957
United States Army DA-40-007-MD-622	Enzymatic activity of salivary glands	7 285 00	April 25, 1957

# Adjustments Made in 1956-57 Cost-Plus Contract

With Whom Purpose Amount Date
Harry F. Fisher Thirteen items; \$0.42 deduct to \$1 798 64 April and May, (plastering) \$1,400.00

This report was received for record.

## CONVEYANCE OF LAND TO THE MORTON ARBORETUM

(28) A toll road between Chicago and Aurora will cross a University-owned road which now provides access from Ogden Avenue (U.S. Route 34) to the University's Drug and Horticultural Experiment Station adjoining the Morton Arboretum in Du Page County. This roadway, including the Experiment Station property, was purchased by the University from the Morton Arboretum. The new toll road will not provide the access from Odgen Avenue, as presently used by the University, unless an overpass or an underpass is constructed. Public access to the east end of the Morton Arboretum is also necessary to take care of the increasing automobile traffic. To resolve this problem and give the University and the Arboretum access to their properties, the Illinois State Toll Highway Commission plans to relocate the Lacey Road, which now runs north and south about one-half mile east of the University property, to parallel the toll road. The relocated Lacey Road would then run southwest, and after intersecting the present University road would turn south over the toll road to the Warrenville Road intersection with Ogden Avenue thus providing access from the south and from the north.

The deed of University land from the Trustees of the Morton Arboretum includes a reverter clause providing that whenever the property is no longer to be used for educational purposes it will revert to the Morton Arboretum. The Illinois State Toll Highway Commission is planning to acquire a part of the Morton Arboretum property immediately west of the present University access road. It is therefore recommended that the Board of Trustees of the University authorize the execution of a quitclaim deed to the Morton Arboretum for that part of the present University access road which will no longer be required by the University. The Trustees of the Morton Arboretum will then be able to convey the necessary rights-of-way for the new toll road and the relocation of the Lacey Road. The quitclaim deed will not be delivered until there is adequate legal assurance that the Lacey Road will be relocated and that the University access to its Drug and Horticultural Experiment Station during the period of construction of the toll road will be protected. The area of the roadway to be conveyed to the Morton Arboretum is 1.098 acres, and the Arboretum will pay the University \$274.50 (\$250.00 an acre) for this property.

If the Board approves this transaction, the following resolution should be adopted.

#### Resolution

Be it, and it is hereby, resolved by the Board of Trustees of the University of Illinois, a public corporation of the state of Illinois, that its Comptroller and Secretary be, and they are hereby, in consideration of the payment to said public corporation of two hundred seventy-four and 50/100 dollars, authorized to make, execute, and deliver a quitclaim deed conveying to the Trustees of the Morton Arboretum, a foundation created and defined by Deed in Trust dated December 14. 1922, and recorded in the Recorder's Office of Du Page County, Illinois, on December 19, 1922, as Document No. 161512, in Book 142 of Deeds, at Page 485, the following described property:

That part of Lot 2 of Assessment Plat Number 3, lands belonging to the Trustees under the Will of Joy Morton, Deceased, according to the plat thereof recorded March 30, 1935, in Book 20 of Plats on page 91 as Document

357009 in the Recorder's Office of Du Page County, Illinois, described by commencing at the Northeast corner of Section 1, Township 38 North, Range 10 East of the Third Principal Meridian and running thence South 0° 12' East along the East line of Section 1 1270.05 feet to a corner of said Lot 2; thence South 84° 13' West along a South line of said Lot 346.5 feet; thence South 6° 10' East along an Easterly line of said Lot 2 335.64 feet to a point for a place of beginning; thence Southwesterly along the arc of a curve to the left whose radius is 1091.74 feet and whose tangent to the last described point forms an angle of 77° 56′ 32″ in the Southwest quadrant with the preceding line extended, for a distance of 35.90 feet to a point; thence South 6° 10′ East parallel with an Easterly line of said Lot 2 and with a prolongation thereof 1370.04 feet more or less to a point in the center line of Ogden Avenue; thence North 77° 40' East along said center line 35.20 feet to the Southeast corner of said Lot 2; thence North 6° 10' West 1373.26 feet more or less along an Easterly line of said Lot 2 to the place of beginning, all in the County of Du Page and State of Illinois; together with all and singular the hereditaments and appurtenances thereunto belonging or in anywise appertaining.

Provided, however, that such deed shall not be executed nor delivered unless and until said officers and the Legal Counsel of this public corporation have received positive assurances satisfactory to them that an alternate right and way of ingress to and egress from the remaining portion of this public corporation's property in that area will be provided.

On motion of Mr. Johnston, the foregoing resolution was adopted; provided, however, that the execution and delivery of the quitclaim deed is subject to the approval of the Executive Committee of the Board when the Committee is satisfied that the price to be received by the University for the land to be conveyed is a fair valuation, and that adequate provisions have been made for both a permanent roadway and temporary access during the period of construction of the highway to the Drug and Horticultural Experiment Field. This action was taken by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mrs. Holt, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins: no, none; absent, Mr. Stratton, Mr. Williamson.

#### PURCHASE OF BUS FOR PHYSICALLY HANDICAPPED STUDENTS

(29) The Director of Purchases and the Vice-President and Comptroller recommend the purchase of one General Motors Corporation TGH 3102 bus equipped for transportation of physically handicapped students for the Student Rehabilitation Center from the General Motors Corporation Coach Sales Department, Pontiac, Michigan, at a cost of \$9,579.83, f.o.b., Pontiac, Michigan.

It is also recommended that this authorization be extended to include the

purchase of a second bus under the same terms if funds become available.

The General Motors Corporation bus is almost alone in this field, the only competition being manufacturers who only occasionally construct busses of this type and who do not maintain a readily available supply of replacement parts. Furthermore, investigation has revealed that no bus now on the market can equal

the General Motors Corporation TGH 3102.

The University of Illinois Foundation has received a gift from the Lynde Bradley Foundation specifically for the purchase of a new bus specially equipped for transportation of physically handicapped students.

I concur.

On motion of Mrs. Watkins, this purchase was authorized, and authority was granted to purchase a second bus under the same terms when funds are available.

## AUTHORIZATION OF CHANGES IN CONTRACTS FOR CONSTRUCTION OF BUILDINGS

(30) State appropriations are available until the expiration of the first fiscal quarter after the adjournment of the General Assembly held next after that at which the appropriations were made. Appropriations to the University for the current biennium, 1955-57, will be available until September 30, 1957, but only for the payment of obligations for which commitments are made prior to July 1, 1957.

There will be some changes recommended in the contracts for the construction of the Band Building and the Home Economics Building which, however, could not be formulated for presentation to the Board of Trustees at today's meeting. It is therefore recommended that the Board of Trustees authorize the President of the University and the Vice-President and Comptroller to approve such changes in contracts for the construction of these two buildings which may be recommended by the Physical Plant Department, with the understanding that a report of any such changes authorized will be made to the Board at its next meeting.

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

## REPORT OF FINANCE COMMITTEE ON INVESTMENTS

Mr. Swain, for the Finance Committee, reported the following changes in investments of trust funds:

in investments of trust fu	ınds:	Ö	G
Purchase En	dowment Funds — General		
32,000 Southern California gage series, H 4 <sup>1</sup> / <sub>4</sub> per ce	45% per cent bonds due May 1, 1987 Edison Company first of refunding mo nt bonds due February 15, 1982 Steel Corporation common stock	rt- 32 4	100 00
	Report of Comptroller		
	s Revenue Bond Fund of 1957 — Constr		
•	ustees resolution of May 28, 1957, minut	es page	408.)
Purchase			
398,000 U. S. Treasury Bil 316,000 U. S. Treasury Bil 326,000 U. S. Series C 2 p	lls due August 1, 1957	397 G 314 5	262 04 011 63 574 05 083 13
I,294,000 U. S. Treasury 3 <sup>T</sup> Series D due October I, I,594,000 U. S. 3 <sup>3</sup> / <sub>8</sub> per cen	per cent Certificates of Indebtedness 1957 t Certificates of Indebtedness Series A	1 295 2	213 13
1,525,000 U. S. Treasury No 15, 1958	tes Series A-1958 27% per cent due June	1 514 0	
	alls Revenue Bond Fund of 1956 — Const Trustees resolution of September 18, 1		mustos
page 52.)	riustees resolution of September 16, 1	950, IIII	mutes,
Sales			
\$200,000 U. S. 3 <sup>1</sup> / <sub>4</sub> per cent (October 1, 1957	Certificates of Indebtedness Series D du	ie \$200 (	000 000
Transfer			
\$40,000 U. S. Treasury 15/8 ferred from Women's Residence Hall Construction	per cent notes due May 15, 1957, tran- esidence Hall Construction Fund to Men- tion Fund.	}- 's	
_	nacy Building Revenue Bond Fund — Co		
(Authorized by Board of Tr 632.)	ustees resolution dated March 18, 1951,	ninutes	, page
Purchase			
10,000 U. S. Treasury bills 0	due March 23, 1957	9 9 9 9	926 81 934 52 935 00 922 65

# SALE OF SECURITIES

Mr. Swain, for the Finance Committee, offered the following and moved its adoption:

Whereas the Board of Trustees of the University of Illinois is the owner of the following described common stock

500 shares of American Can Company

150 shares of Northern Illinois Gas Company; and

Whereas it is the decision of said Board that these securities should be sold and disposed of,

Now, therefore be it resolved that H. O. Farber, Vice-President and Comptroller, and A. J. Janata, Secretary, be authorized to sell such securities and to execute all documents necessary in order to complete such sale.

This resolution was adopted.

# TRIBUTE TO ALBERT JAMES HARNO

At this point, Mr. Swain offered the following resolution and moved its adoption:

On September 1, 1957, Albert James Harno will bring to a close a period of service to the University of Illinois of thirty-six years as Professor of Law and thirty-five years as Dean of the College of Law, a service remarkable not only for its length but for its accomplishments. Under his stewardship the College of Law has grown into one of pre-eminence in the field of legal education. In this process he has himself become a national figure as a scholar, teacher, and law-school administrator. To his colleagues on the faculty of the College he has been the inspiration, through example, of the university teacher who, while being ever vigilant to keep a close contact with the non-university world, yet is able to see the problems of that world with the long-range vision and objectivity of the scholar, and is devoted to the task of imparting that vision to his students. To thousands of law-school alumni throughout the nation, he is already a living legend. To all of his colleagues in the University, his name is synonymous with tolerance, judiciousness, and fair dealing.

Dean Harno's service to the University has not been limited to the College of Law. He was Chairman of the committee, appointed by President Chase in 1930, to study all aspects of the University administration and procedure, and bring recommendations for changes in the administrative structure, including a definitive statement of the statutes of the University. He served as Provost of the University. sity from 1931 to 1944, under two presidents and one acting president, and many of the present functions of that office were outlined during his term. He has been, at one time or another, a member of or chairman of almost every University committee. His interests have been as broad as the University itself, and he has brought to his many assignments the qualities of unswerving honesty, good judgment, loyalty, and warm sympathy which have won him the respect and confidence

of all friends of the University.

In this period he has also become a leader of the legal profession, at both Bar Association, of the American Judicature Society, of the National Conference of Commissioners on Uniform State Laws, and of the Association of American Law Schools. He has been a member of the Board of Governors of the Illinois State Bar Association, the American Bar Association, and the Council of the American Law Institute. He is a Fellow of the American Academy of Arts and Sciences and a Fellow of the American Par Foundation. He has been a member of the American Academy of Arts and Sciences and a Fellow of the American Par Foundation. He has been a member of the American Par Foundation. Sciences and a Fellow of the American Bar Foundation. He has been a member of the House of Delegates of the American Bar Association and a member of the Hoover Commission Task Force. He is a member of Phi Beta Kappa and Past National President of Order of the Coif. He is the author of: The Supreme Court in Felony cases (Illinois Crime Survey), Cases on Criminal Law and Procedures, fourth edition 1957; Legal Education in the United States; and co-author of: Parole and the Indeterminate Sentence; and a contributor to many legal periodicals. He has been widely and favorably known in the profession, and has done

much to bridge the gap between the practicing profession and its academic branch.

The Board of Trustees of the University of Illinois takes cognizance of the approaching date on which Albert James Harno will retire from active service on the faculty of the University, and

It therefore resolves, that the Board record in its minutes its expression of appreciation for his services, its gratitude that he has given so long and so generously of his talents to the University and to the State, and its best wishes for his health and happiness for many years to come.

This resolution was unanimously adopted.

## MEETING OF COMMITTEE ON GENERAL POLICY

At this point, the Board recessed for a meeting of the Committee on General Policy to consider a report from the President of the Univer-

sity on personnel matters related to the budget for 1957-58.

The following members of the Committee were present: Mr. Wayne A. Johnston, Chairman, Mr. Cushman B. Bissell, Mrs. Frances B. Watkins. Also present were Mr. Wirt Herrick, Mrs. Doris S. Holt, Mr. Earl M. Hughes, Mr. Park Livingston, Mr. Vernon L. Nickell, and Mr. Timothy W. Swain of the Board of Trustees; President David D. Henry, Vice-President and Provost Henning Larsen, Dr. H. E. Longenecker, Vice-President in charge of the Chicago Professional Colleges, Mr. C. S. Havens, Director of the Physical Plant Department, Mr. Ralph F. Lesemann, Legal Counsel; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

President Henry reported on administrative changes under con-

sideration in the organization of the Health Services.

Following discussion of this report, the Committee recommended to the President that there be included in the budget for 1957-58 a provision for a new position of administrator of the Health Services, apart from the medical directorship, the title and salary of the new position to be recommended by the President when he submits the budget.

The Committee rose, and the Board reconvened.

# **DEGREES CONFERRED**

The Secretary presented for record the following lists of degrees conferred at Urbana on June 15, 1957, and to be conferred at the Chicago Professional Colleges on June 21, 1957.

#### Summary

Honorary Degree, conferred at Urbana:	
Doctor of Science	I
Degrees in the Graduate College, conferred at Urbana:	
Doctor of Philosophy	110
Doctor of Education	12
Electrical Engineer	I
Engineer of Mines	2
Master of Arts	77
Master of Science	258
Master of Music	17
Master of Education	72
Master of Social Work	
Master of Fine Arts	8
Master of Laws	I
Master of Architecture	4
Advanced Certificate in Education	6
Total, Graduate College	(585)

1957]	UNIVERSITY OF ILLINOIS	451
Degrees in Law, conferred at Urbana:		
Bachelor of Laws		46
Degrees in Veterinary Me	edicine, conferred at Urbana:	
Bachelor of Science	Medicine	<b>26</b>
Total, Veterinary Me	edicine	33 (59)
Baccalaureate Degrees, co		
Bachelor of Science, Co	ollege of Agriculture	230
Bachelor of Science, Co	bllege of Engineeringge of Liberal Arts and Sciences	351 279
Bachelor of Science, Co	ollege of Liberal Arts and Sciences	201
Bachelor of Science, Co	ollege of Education	127
Bachelor of Science, Co	ellege of Commerce and Business Administration	339 80
Bachelor of Architectur	re, College of Fine and Applied Arts	58
Bachelor of Fine Arts,	College of Fine and Applied Arts	52 14
Bachelor of Science, Co	ollege of Fine and Applied Arts	43
Bachelor of Science, Science	chool of Physical Education	91 78
	vision of Special Services for War Veterans  Degrees	
Total, Degrees Confe	erred at Urbana	(2,634)
9	College, conferred at Chicago:	
		6 26
	ege	(32)
Degrees in Dentistry, con		
Bachelor of Science in	Dentistry	53
Doctor of Dental Surg	ery.,	54
		(107)
Degrees in Medicine, cont	Medicine	147
Bachelor of Science in	Occupational Therapy	13
		120
		(280)
Degrees in Nursing, confe	erred at Chicago:	40
Degrees in Pharmacy, con		40
Bachelor of Science		69
Total, Degrees Confe	erred at Chicago	(528)
Total, Urbana and C	hicago	3,162

# Degrees Conferred at Urbana

## HONORARY DEGREE

Degree of Doctor of Science

ROGER ADAMS

# **GRADUATE COLLEGE**

# Degree of Doctor of Philosophy

In Agricultural Economics

ERIC RICHARD BERG, A.B., A.M., University of Texas, 1947, 1954; M.S., 1955 ROBERT MCLAREN FINLEY, B.S., M.S., Kansas State College, 1950, 1953

#### In Animal Nutrition

ALICE RUSSELL BEAVER NIEDNER, A.B., Vassar College, 1952; M.S., 1954 SANFORD JEWELL RITCHEY, B.S., Louisiana State University, 1951; M.S., 1956

#### In Animal Science

HAROLD DAVID HUTCHINSON, B.Agr., Queen's University, 1953; M.S., 1955

# In Bacteriology

WILFRED EDWIN RAZZELL, A.B., University of British Columbia, 1952

## In Botany

CHUAN YING CHAO, M.S., National Taiwan University, 1950 GEORGE GENE ZABKA, A.B., DePauw University, 1951; M.S., 1954

#### In Business

LLOYD MARTIN DEBOER, B.S., 1947; M.B.A., Harvard University, 1950 HALE ALDEN NEWCOMER, B.S., 1951; M.B.A., University of Texas, 1953 CLINTON SPIVEY, B.S., M.S., 1946, 1947

# In Chemical Engineering

Arnold Mixon Benson, Jr., B.Ch.E., City College of New York, 1953; M.S., 1955 Harold Black Clark, B.S., Pennsylvania State University, 1950; M.S., 1951 George Spangler Dawkins, B.S.E., Princeton University, 1953 HOWLAND AIKENS LARSEN, B.S., Massachusetts Institute of Technology, 1950; M.S., 1951 Robert Raymond Wiederkehr, B.S., M.S., 1953, 1955

## In Chemistry

William Michael Banick, Jr., B.S., King's College, 1953
James Noel Baptist, B.S., Case Institute of Technology, 1952
Irwin Jay Brink, A.B., Hope College, 1952
Stewart Merrill Chodosh, A.B., West Virginia University, 1950; M.S., 1955
William James Dejarlais, B.S., University of Michigan, 1954
William Goman DePierri, Jr., A.B., A.M., Vanderbilt University, 1952, 1954
Peter Joseph Frank, B.S., Brooklyn Polytechnic Institute, 1952; M.S., 1953
Bernard Freedman, B.S., University of Delaware, 1951
Philip Nickerson James, B.S., Massachusetts Institute of Technology, 1954
John Harold Law, Jr., B.S., Case Institute of Technology, 1953
John Clayton Little, B.S., University of California, 1954
Donald Stephen Matteson, B.S., University of California, 1954
Robert John Moolenaar, A.B., Hope College, 1953
Duane Francis Morrow, B.S., Wayne University, 1954
Wendell William Moyer, Jr., A.B., Whitman College, 1953
Mehm Thet San, B.S., University of Rangoon, 1953; M.S., 1955
Norman Shachat, A.B., Drew University, 1954
Richard Charles Thamm, B.S., State College of Washington, 1953
Richard Charles Thamm, B.S., Indiana State Teachers College, 1953
Bruno Martino Vittimberga, B.S., Massachusetts Institute of Technology, 1952;
M.S., University of Rhode Island, 1954
Donald Edward Woessner, A.B., Carthage College, 1952

### In Civil Engineering

John David Daigh, B.S., United States Military Academy, 1951; M.S., 1957 Wu Mei Yao, B.S., Worcester Polytechnic Institute, 1953; M.S., 1955

# In Dairy Science

RAYMOND GEORGE CRAGLE, B.S., M.S., North Carolina State College, 1951, 1954 UDHISHTRA DEVA SHARMA, B.V.S., Punjab Veterinary College, 1948; M.S., 1954

# In Dairy Technology

LALITHA RANGAIENGAR KADABA, B.S., University of Mysore, 1944; M.S., University of Bombay, 1952

# In Economics

ROBERT EUGENE BARCKLEY, B.S.C., University of North Dakota, 1948; A.M., Columbia University, 1950
WALTER JUDSON CHAMBERLIN, A.B., A.M., New York University, 1934, 1935
ROBERT VICTOR MITCHELL, B.S., 1936; M.B.A., Northwestern University, 1937
ROBERT LOUIS RIVERS, A.B., Clark University, 1943; M.S., 1947

#### In Education

MARY DOLORES DURKIN, B.Ed., Chicago Teachers College, 1949; A.M., 1955 JACK OTIS, A.B., Brooklyn College, 1946; M.S.W., Ed.M., 1948, 1955 RICHARD EDWARD SPENCER, A.B., Hobart College, 1949; A.M., University of Colorado, 1951

# In Electrical Engineering

Joseph Anton Barkson, B.S., University of Michigan, 1925; M.S., 1951 Kenneth Robert Brunn, B.S., M.S., 1949, 1951 Marvin Junior Fisher, B.S., Washington University, 1947; M.S., 1950 Raymond Edward Miller, B.S. (Mechanical Engineering), University of Wisconsin, 1950; B.S. (Electrical Engineering), M.S., 1954, 1955 Thomas Reilly O'Meara, B.S., M.S., 1948, 1949

# In English

DOROTHY WYNNE ZIMMERMAN, A.B., A.M., 1947, 1950

# In Entomology

Paul Charles Lippold, B.S., M.S., 1951, 1953 Milton Elliott Tinker, A.B., A.M., University of Minnesota, 1949, 1951 Robert Takaichi Yamamoto, A.B., University of Hawaii, 1953; M.S., 1955

#### In Food Technology

NISSAN TIBOR RAND, B.S., Cornell University, 1954; M.S., 1955

## In French

DOROTHEA ELEANOR WOODS, A.B., Keuka College, 1946; A.M., 1947

## In Geography

THOMAS WILLIAM SCOTT, B.S., Harvard College, 1942; M.S., 1951 STANLEY BLOOM SHUMAN, B.S., A.M., Ohio State University, 1946, 1949

## In Geology

ROBERT WILLIAM DOEHLER, B.S., M.S., 1951, 1953 M. E. HOPKINS, B.S., M.S., University of Arkansas, 1950, 1951 PAUL FREDERICK KARROW, B.S., Queen's University, 1954 MARGARET JENNIFER LUCAS, A.B., Oxford University, 1954; M.S., 1955

# In German

HARRY GERALD HAILE, A.B., A.M., University of Arkansas, 1952, 1954

#### In History

ROBERT HUHN JONES, A.B., A.M., 1950, 1951

#### In Horticulture

YEHIA HASSAN FODA, B.S., Ibrahim Pasha University, 1947; M.S., 1954

# In Library Science

MARGARET ENID KNOX, A.B., Maryville College, 1940; B.S. (Library Science), George Peabody College for Teachers, 1942; M.S., 1948

AGNES LYTTON REAGAN, A.B., University of Arkansas, 1935; A.M., A.B. (Library Science), Emory University, 1936, 1939; M.S., 1943

#### In Mathematics

WILLIAM CLARENCE BENNEWITZ, B.S., M.S., 1949, 1950
LEWIS CLARK BUTLER, A.B., Alfred University, 1944; M.S., Rutgers University, 1948
WILLARD DONALD JAMES, B.S., Northern Illinois State College, 1952; M.S., 1954
INDAR SINGH LUTHAR, A.B., A.M., Panjab University, 1950, 1952
JACK PHILLIP TULL, B.S., M.S., 1952, 1953
LAWRENCE THOMAS WOS, A.B., University of Chicago, 1950

## In Mechanical Engineering

MUTHYALA VENKATA RAMA RAO, B.S., Madras University, 1944; M.S., 1952 IRVIN LEIGH REIS, B.S., M.S., University of Nebraska, 1949, 1950

## In Musicology

CLYDE WILLIAM YOUNG, B.S., Southwest Missouri State College, 1941; M.Mus., University of Michigan, 1949

# In Physical Education

RICHARD HENRY POHNDORF, B.S., M.P.E., Springfield College, 1939, 1941 EDWARD RICHARD REUTER, B.S., State College of Washington, 1948; M.S., 1949

# In Physics

James Edward Bauerle, B.S., M.S., 1951, 1953
Ralph Sherman Cooper, B.Ch.E., Cooper Union, 1953; M.S., 1954
John Edwin Crew, B.S., M.S., University of Chicago, 1952, 1953
Louis Charles Hebel, Jr., A.B., DePauw University, 1952; M.S., 1954
Allan Stephen Miller, B.S., M.S., University of Notre Dame, 1949, 1950
John Robert Schrieffer, B.S., Massachusetts Institute of Technology, 1953;
M.S., 1954
Ralph Oliver Simmons, A.B., University of Kansas, 1950; A.M., Oxford University, 1953

# In Physiology

NORMAN LEE BIGGS, B.S., M.S., Northern Illinois State College, 1951, 1952 Donald Roy Ekberg, B.S., 1950; M.S., University of Chicago, 1952 Sabath Fred Marotta, B.S., Loyola University, 1951; M.S., 1953 Gerald Norman Wogan, B.S., Juniata College, 1951; M.S., 1953

#### In Plant Pathology

Maurice John Kaufmann, B.S., Bluffton College, 1952; M.S., 1955 Bankey Behari Nagaich, B.S., M.S., Agra University, 1953, 1955 Stanley Anthony Ostazeski, B.S., Superior State College, 1952; M.S., 1955

#### In Political Science

James Allen Jarvis, A.B., Union College, 1942; A.M., University of Kentucky, 1949 Gordon Melvin Patric, B.S., Bradley University, 1950; A.M., 1954 William Carl Wimberly, B.S., A.M., Southern Illinois University, 1948, 1949

# In Psychology

ARNOLD FREEDMAN, A.B., University of Delaware, 1950; M.S., 1954

# In Speech

EUGENE JEROME BRUTTEN, A.B., Kent State University, 1951; A.M., Brooklyn College, 1952 STEPHEN PATRICK QUIGLEY, A.B., University of Denver, 1953; A.M., 1954

In Theoretical and Applied Mechanics

DON ORR BRUSH, B.S., M.S., 1949, 1951

In Veterinary Pathology and Hygiene

Lyle Eugene Hanson, Ph.B., Northland College, 1942; D.V.M., Michigan State University, 1950; M.S., 1953

In Zoology

Douglas Arthur James, B.S., M.S., University of Michigan, 1946, 1947 WILLIAM ZANDER LIDICKER, JR., B.S., Cornell University, 1953; M.S., 1954 CHARLES ROBERT PEEBLES, A.B., Cornell University, 1951; M.S., 1952 LAWRENCE PHILLIPS RICHARDS, A.B., University of California, 1950 WILLIAM ZEBRUN, B.S., Southern Illinois University, 1949; M.S., 1952

# Degree of Doctor of Education

In Education

THEODORE BENJAMIN ALMY, A.B., Dartmouth College, 1933; A.M., Duke University, 1936

MARSHALL KEITH BERNER, B.Ed., Illinois State Normal University, 1942; M.S.,

ROBERT LEE ERDMAN, B.S., Milwaukee State Teachers College, 1947; M.S., 1948 HERBERT GOLDSTEIN, A.B., A.M., San Francisco State College, 1952, 1953 BYRON LYLE KERNS, A.B., Park College, 1929; Ed.M., University of Missouri, 1937 RUCHIRA CHINNAPONGSE MENDIONES, A.B., Chulalongkorn University, 1943; A.M., University of Kentucky, 1951

EDWIN JOHN O'LEARY, B.S., M.S., Ed.M., 1940, 1945, 1951 CHARLES BADDELEY PORTER, B.S., M.S., Illinois State Normal University, 1948,

ARTHUR EDWARD SMITH, B.S., M.S., Illinois State Normal University, 1948, 1949 CURTIS RONALD STAFFORD, B.S., M.S., 1947, 1950 RITA LOUISE YOUMANS, B.S., Central Missouri State College, 1937; M.S., Kansas

State College, 1945
BERNARD JAE YOUNG, B.S., Pennsylvania State Teachers College (Bloomsburg), 1936; M.S., Bucknell University, 1941

# Professional Engineering Degrees

Degree of Electrical Engineer

RICHARD ERNEST WENDT, JR., B.E.E., University of Louisville, 1947; M.S., 1948

Degree of Engineer of Mines

GEORGE ROBERT EADIE, B.S., M.S., 1949, 1956 Woodrow Wilson Slade, B.S., 1946

# Degree of Master of Arts

In Anthropology

NANCY LOU ENGLE, B.F.A., 1952

In Art Education

ROBERT DEAN CAYS, B.F.A., 1953 HARLAN KNOWLTON CORRIE, B.F.A., 1951

# In Art History

HELEN SCRUGGS HORVATH, A.B., Washington University, 1953

### In Economics

ROBERT BRICE BRASWELL, A.B., Morehouse College, 1953 RICHARD ARTHUR BROCKMAN, A.B., Elmhurst College, 1956 IN SUK CHOO, A.B., Pusan National University, 1952 CLIFFORD FLOYD JACKSON, JR., A.B., Morehouse College, 1953

#### In Education

THOMAS FRANK LINDE, A.B., Ripon College, 1956 AHMET KEMAL OZINONU, Diploma, Gazi Teachers Training College, 1946

# In English

Janet Grace Asdourian, A.B., 1955
Philip Yates Coleman, B.S., Southern Illinois University, 1952
Stephen Jefferis Curry, A.B., Columbia University, 1955
Anne Therese Doyle, A.B., Regis College, 1956
Daniel Watts Dungan, A.B., Hiram College, 1953
Marvin Hoffman, A.B., 1956
Urlin Milo Kaufmann, A.B., Greenville College, 1956
Shirley Anne McLaughlin, A.B., DePauw University, 1956
Keith Michael Opdahl, A.B., Denison University, 1956
William Jennings Powers, A.B., 1956
William Jennings Powers, A.B., 1956
Walter Frank Princic, A.B., Baldwin-Wallace College, 1955
Donald Henry Reiman, A.B., College of Wooster, 1956
John Richard Roberts, A.B., Indiana State Teachers College, 1955
Margaret Clare Schlaeger, A.B., 1955
Donald Myron Seigel, A.B., 1954
Margaret Imogine White, A.B., Indiana University, 1936

# In French

ROBERT BERNARD GEX, A.B., Xavier University, 1956
ZILLAH HYDE, A.B., University of Sheffield, 1953
ROBERT MELDRUM RIGGS, A.B., George Washington University, 1955
GRETCHEN MARGARET STRASMA, A.B., DePauw University, 1955
JOSEPH GARDNER WEBER, A.B., Princeton University, 1953
MARGIE LORRAINE WESTFALL, A.B., 1950

#### In Geography

ERNEST MAYO SNYDER, A.B., Syracuse University, 1954

In German

MIRCO MITROVICH, A.B., 1955

In History

RONALD DALE HOWE, B.S., Purdue University, 1956 CLOE LOIS BEDFORD OSBORN, B.S., 1938 CATHERINE SUE RIDDER, A.B., Quincy College, 1955

## In Labor and Industrial Relations

ALVIN BAUMAN, A.B., New York University, 1955 CHARLES EVAN CORNELL, A.B., University of California, 1955 SHELDON HIRSCH LUSKIN, A.B., City College of New York, 1955 ROBERT CHARLES MILJUS, A.B., Augustana College, 1955 JENNETTE SCHERMERHORN RADER, A.B., Duke University, 1951 JOEL ZELNICK, B.S., City College of New York, 1954

#### In Latin

BARBARA RAY BUDDEMEIER, A.B., Northwestern University, 1934

#### In Mathematics

ROBERT EDMUND HOLZMAN, B.S., 1956
LYLE HICKS LANIER, JR., A.B., 1956
DAN HANS LORENZ, B.S., Illinois Institute of Technology, 1953; M.S., University of Chicago, 1955

In Philosophy

Donald Sherwood Mannison, A.B., 1955 Harold Edward Sheriff, A.B., Bucknell University, 1950; A.M., Southern Methodist University, 1953

In Political Science

Joseph Chalhoub, Diploma, University of Paris, 1953 Eugene Emerson Evans, B.S., University of Maryland, 1955 Edward William Siebert, LL.B., 1951

In Psychology

JOHN DWELLE DAVIS, A.B., Brown University, 1954

In Social Sciences

ALFRED ROGER GOBBEL, A.B., Gettysburg College, 1947 LEONARD FRANCIS KORGIE, A.B., University of Notre Dame, 1956 VASHTI CROMWELL McCOLLUM, A.B., 1944

In Sociology

CHIEN-HSUN HUANG, A.B., Kwansei Gakuin University, 1951 Lufs Augusto Serrón, B.S., 1955

In Spanish

MAC EUGENE BARRICK, A.B., Dickinson College, 1955
MERLIN HENRY FORSTER, A.B., Brigham Young University, 1956
CAROL ANNE MATKIN, A.B., Central College (Fayette, Missouri), 1956
CHERYL TERPENING WHITEMAN, A.B., Monmouth College, 1955

In Speech

Jerome Moseley Birdman, B.S., Temple University, 1956 Herman Henry Diers, A.B., Wartburg College, 1956 Paul Kelvyn Goldberg, B.S., Illinois State Normal University, 1952 James Louis Mayer, B.S., Pennsylvania State Teachers College (Edinboro), 1954 Arthur Russell Williams, A.B., 1956

In Statistics

Donald Harry Abernathie, A.B., 1956

In the Teaching of English

ELIZABETH PALMER PATTON, A.B., 1953

In the Teaching of Social Studies

Jane Angeline Brayford, B.S., 1950 Lucille Marie Jaegfeld, A.B., 1956 Charles Wallace Lamer, B.S., Southern Illinois University, 1952 William Gears Rankin, B.S., 1956 John Knox Stevens, B.S., Northern Illinois State College, 1956

In the Teaching of Spanish

Olive Irene Durham, A.B., 1955 James Leo Jacobs, A.B., 1952 John Martinez, A.B., 1956

# Degree of Master of Science

In Accountancy

HAROLD EDWARD ARNETT, B.S., 1955 FLOYD MOON, B.S., Brigham Young University, 1955

In Aeronautical Engineering

Daniel Le Von Dudas Lawrence Joseph Emming, B.S., University of Wichita, 1949 John Warren Kiefer, B.S., 1953 Richard David Luders, B.S., 1955 Fred Owen Martikan, B.S., 1956 Harvey Leslie Roth, B.S., 1955

In Agricultural Economics

YAO-HUANG CHUANG, B.S., National Taiwan University, 1955
KEVIN DALE GORMAN, A.B., St. Benedict College, 1947
WILLIAM CARR GOSSETT, B.S., 1956
FLOYD WILEY GRIFFITH, B.S., Southern Illinois University, 1955
MACK ALDEN PULLMAN, B.S., Iowa State College, 1952
GEORGE WELTON SHAFER, B.S., Virginia Polytechnic Institute, 1950; M.S., West
Virginia University, 1955

In Agricultural Education

Donald Isaac Kerr, Jr., B.S., 1956

In Agricultural Engineering

MYRON DAVID PAINE, B.S., South Dakota State College, 1956 WILLIAM FREDERICK SCHWIESOW, B.S., South Dakota State College, 1950 HWA JUH SHEN, B.S., National Taiwan University, 1954

In Agronomy

David Carothers Allison, B.S., 1956
William Frank Campbell, B.S., 1956
Cesar Marquez Centeno, B.S., University of Puerto Rico, 1955
John Edward Fucik, B.S., 1949
Willis Wayne Janssen, B.S., 1956
Joe Lynn Key, B.S., University of Tennessee, 1955
Gerald Ray Miller, B.S., 1956
Allen Henry Reimer, B.S., Kansas State College, 1951
Robert Philip Schmerbauch, B.S., Murray State College, 1956
David Lee Senko, B.S., Colorado Agricultural and Mechanical College, 1955

In Animal Nutrition

LONNIE ROSS HACKLER, B.S., Oklahoma Agricultural and Mechanical College, 1955

In Animal Science

William Arliss Dudley, B.S., Iowa State College, 1956
Richard Colin Ewan, B.S., 1956
Gordon Henshaw, B.S., Murray State College, 1956
Gerald Wayne McWard, B.S., 1956
Wayne W. Miller, B.S., Oklahoma Agricultural and Mechanical College, 1942
Paul Henry Sammelwitz, B.S., Cornell University, 1955
Donald Laverne Taggart, B.S., Oklahoma Agricultural and Mechanical College, 1950

In Architectural Engineering

RICHARD MALLORY ENGLE, B.Arch., 1956 JAMES HALSEY MEAD, B.Arch., 1956 ERNEST RALPH SEYMOUR, B.S., 1951 In Astronomy

ROBERT GORDON TULL, B.S., 1952

In Bacteriology

EARL EUGENE OSE, B.S., 1950

In Biological Sciences

JOHN JOSEPH CIBULKA, A.B., Knox College, 1952

In Botany

Alfred Cornell Koelling, B.S., 1949 Helen McHenry Peterson, A.B., Oberlin College, 1955

In Ceramic Engineering

WILLIAM RUDOLPH BRATSCHUN, B.S., 1953 KEITH KARL KAPPMEYER, B.S., 1956 BASIL OHNYSTY, JR., B.S., 1952 DAVID WILLIAM PORTS, B.S., 1956

In Chemical Engineering

JUH WAH CHEN, B.S., Taiwan College of Engineering, 1953
VICTOR PHILLIP HERBERT, B.Ch.E., University of Dayton, 1955
ROBERT ERNST JOHNK, B.S., University of Missouri School of Mines and Metallurgy, 1947
HAROLD LAVERNE SUCHAN, B.S., University of Idaho, 1952

# In Chemistry

WILLIAM EDWARD CHAMBERS, B.S., Marshall College, 1955
MOU-SHU CHAO, Bachelor, National Central University (China), 1947
CHRISTIE GEORGE ENKE, B.S., Principia College, 1955
PAULINE PAO-LIANG HO, B.S., Michigan State University, 1955
WILFRID EDGAR KLEE, B.S., McGill University, 1956
ROZA DAVIDSON KUPPERMANN, Licentiate, University of Sao Paulo, 1951
ROSS LATHAM, JR., B.S., Principia College, 1955
HELEN MARIE SCHWARZ, B.S., University of Michigan, 1955
FREDERICK EN-YU WANG, B.S., Memphis State College, 1956

# In Civil Engineering

George Frederick Adam, B.C.E., Cooper Union, 1951

Ilhan Agis, B.S., Robert College, 1956

Enrique Mario Alfieri, C.E., National University of LaPlata, 1953

Ozkan Bilgin, B.S., Robert College, 1956

Jorge Isaac Bustamante, C.E., University of Mexico, 1956

Allen William Carlsen, B.S., 1953

Dan Claire Dees, B.S., 1955

Enrique del Valle-Calderón, C.E., University of Mexico, 1956

Roger Diaz de Cossio, C.E., University of Mexico, 1955

Juan Casillas Garcia de Leon, C.E., University of Mexico, 1953

Ralph Tibbs Garver, B.S., United States Military Academy, 1952

Clarence Dunbar Gilkey, B.S., United States Military Academy, 1952

Joseph Warren Guyton, B.S., 1955

James Saburo Harada, B.S., University of Hawaii, 1953

Pedro Jimenez, B.S., University of Puerto Rico, 1952

Pryce LaRue Keagle, B.S., 1953

Ronald Lazar, B.S., University of Manitoba, 1955

Louis Francois Menard, Civil Engineer, Ecole Nationale des Ponts et Chausees, 1955

Robert Malcolm Morison, B.S., University of Alberta, 1954

Charles George Novar, B.S., Illinois Institute of Technology, 1955

Thorwald Roger Peterson, B.S., United States Military Academy, 1953

RICHARD LEWIS PLAYER, JR., B.S., Duke University, 1956
CARLETON JAMES ROBINSON, B.S., Michigan College of Mining and Technology,

WALLACE WOLFRED SANDERS, JR., B.C.E., University of Louisville, 1955 LOUIS RICHARD SHAFFER, B.S., Carnegie Institute of Technology, 1950

JOSEPH SAINT CLAIR SMITH, B.S., United States Military Academy, 1951

WILLIAM PATRICK TAYLOR, B.C.E., North Carolina State College of Agriculture

and Engineering, 1954
EDWIN TORO-GOYCO, B.S., University of Puerto Rico, 1954
LEWIS ALLEN WILLIAMS, B.S., United States Military Academy, 1952
RICHARD ALLEN WILLIAMS III, B.S., The Citadel, 1955

# In Commercial Teaching

ALICE CARROL GRIFFY, B.S., Eastern Illinois State College, 1956

#### In Economics

TETSUJIRO HARA, A.B., King College, 1954 SAMEUDDIN TARAKI, B.S., 1956

## In Electrical Engineering

RICHARD PARKS BERRY, B.S., United States Military Academy, 1948 JOHN PAUL DOBBINS, B.S., Clemson Agricultural College, 1950 HENRIQUE DREWS-ARANGO, B.S., 1956 ALEX GERBA, JR., B.E.E., University of Louisville, 1946 BHAGAWANDAS PANNALAL LATHI, B.E., University of Poona, 1955 Verlin Albert Lauher, B.S., 1956

Joseph Michele Leone, B.S., University of New Mexico, 1955

James Norfleet Luton, Jr., B.S., Tennessee Polytechnic Institute, 1955

Lawrence Philip McGrath, B.S., Northwestern University, 1955 (Degree

awarded posthumously.)

James Robert Middleton, B.S., 1949
Leon Jackson Miller, B.S., 1952
Jean Peschon, E.E., Ecole Superieure de Electricite, 1956
Martin Algirdas Plonus, B.S., 1956
Sylvian Richard Ray, B.S., Southwestern Louisiana Institute, 1951 LESLIE CAROLL ROBERTSON, Graduate, United States Air Force Institute of Tech-

nology, 1953 Kenneth Rose, B.S., 1955

ANIL MANGALDAS SETHNA, B.E. (Electrical Engineering), B.E. (Mechanical Engineering), University of Baroda, 1954, 1955
RICHARD ROBERT SHIVELY, B.S., 1956
CHIEN HUI TANG, B.S., National Taiwan University, 1956
FRANK VOLTAGGIO, JR., B.E.E., University of Dayton, 1956
JOHN THOMAS WILLIS, B.S., New Jersey State Teachers College, 1942
HENRY JOE WINTON, B.S., Purdue University, 1950

RICHARD PHILLIP WISHNER, B.S., 1956

# In Entomology

JOHN JOSEPH CORRIGAN, A.B., Carleton College, 1950 ROBERT EARL GROSSMANN, B.S., 1953\_ ROBERT FRANKLIN WHITCOMB, A.B., Blackburn College, 1953

## In Food Technology

Ercole Canale-Parola, B.S., 1956 John Norman McGill, B.S., 1955 John Wester Olander, B.S., 1950 Edward George Perkins, B.S., 1956 CARLYLE DEAN READ, JR., B.S., 1952

## In Geology

ALLEN SPOONER BRAUMILLER, A.B., University of Mississippi, 1955 JOHN DALLAS BREDEHOEFT, B.S.E., Princeton University, 1955

Donald Wade Hutcheson, A.B., Berea College, 1955 Russell Bert Lennon, B.S., Iowa State College, 1953 Raymond Otto Plebuch, A.B., Macalester College, 1955 RICHARD JAMES POWERS, B.S., 1956 DEWEY LEROY SIMS, B.S., 1956
FLOYD MICHAEL WAHL, A.B., DePauw University, 1953
JOHN ERNEST NOLAN WAINWRIGHT, B.S., University of Dayton, 1956 ROGER LENOX WILSON, B.S., 1955

#### In Health Education

Conrad Andrew Bautz, B.S., Brooklyn College, 1956 Kenneth Stevens Clarke, B.S., George Williams College, 1953 Donald Bradford Stone, B.S., New York State Teachers College (Cortland), MARY NANCY ESSLINGER WILSON, B.S., University of Oregon, 1955

## In Home Economics

DOROTHY IRENE MESSERSCHMIDT, B.S., Stout Institute, 1953 VIOLA ROBERTSON RAWCLIFFE, B.S., Utah State Agricultural College, 1938 LEETA ROSELYN CROUCH WEST, B.S., Tennessee Polytechnic Institute, 1955

## In Home Economics Education

BARBARA GLAWE LENNON, B.S., Iowa State College, 1954

## In Journalism

JAMES ROBERT DE LANEY, B.S., Appalachian State Teachers College, 1950 WILLIAM GRANT DOCHTERMAN, B.S., 1956 JOHN ALBIN REGNELL, B.S., 1950 WAYNE EUGENE WELK, B.S., 1956 MARJORIE ANDREA WIEGAND, B.S., 1956 JOANNA OTTILLIE YUNKER, A.B., Syracuse University, 1956

# In Library Science

Sumi Arima, Graduate, Tsuda College (Tokyo), 1945 MURIEL MARGURITTE BURKE, A.B., 1947 Ann DeWitt Campo, A.B., 1947 MARCEL CHRISTOPHER CAROL, A.B. (Library Science), University of Oklahoma, 1952 WILLIAM PIN CHEN, A.B., National Wu-Han University, 1941; A.M., Ph.D., 1949, 1955 HOWARD WILLIAM CORDELL, B.S., M.S., Western Illinois State College, 1944, 1949 MARGARET NYHUS DEES, B.S., A.M., 1939, 1950 ELOISE QUEEN EBERT, B.S., University of Minnesota, 1936 HILDA RUTH FIELDS, A.B., Valparaiso University, 1954 DALE CARL GRESSETH, A.B., University of California, 1952
BETTY JUNE HILLER, B.S., Southern Illinois University, 1953
JUDITH HOPKINS, A.B., Wilkes College, 1955
RUTH LOIS KARLOSKI, B.S., Illinois State Normal University, 1950
EVELYN BLEN LAUX, B.J., University of Missouri, 1949
ANGELINA MARTINEZ, A.B., Polytechnic Institute of Puerto Rico, 1943; B.S. (Library Science), Louisiana State University, 1945
PEGGY ANN McCully, A.B., Drury College, 1951
WILLIAM VERLIN NASH, A.B., Brigham Young University, 1950
SUZANNE MARIE TAYLOR, B.S., Eastern Illinois State College, 1956
NANCY RUTH TURNOUIST, B.S., Western Illinois State College, 1952 MARY BARBARA VICK, A.B., Louisiana State University, 1954
ANNA WHITWORTH, B.S., Middle Tennessee State Teachers College, 1933; A.M.,
George Peabody College for Teachers, 1946
VERA HUTTENBURG WIGELL, B.S., Illinois State Normal University, 1949

## In Management

GLENN BURTON HARVEY, B.S., 1955 JON RIKARD IVARSON, B.S., 1952 HENRY JOHN KOWAL, B.S., 1956

#### In Mathematics

James Robert Boen, A.B., Dartmouth College, 1956
Ernest Robert Buley, A.B., University of California, 1955
Satyanarayan Rao Channapragada, B.S., 1956
Richard Ross Chesnutt, A.B., Lake Forest College, 1955
Bipin Ratilal Desai, B.S., Khalsa College, 1954
Charles William Gear, A.B., University of Cambridge, 1956
Maido Saarlas, B.S., M.S. (Aeronautical Engineering), 1953, 1954
George Frank Votruba, B.S., 1956
Charles Harry Wolff, B.S., 1956
Monica Jean Wyzalek, A.B., Harpur College, 1956

## In Mechanical Engineering

Henry Wolfgang Babel, B.S., 1955
Gilbert Leo Burns, B.S., United States Military Academy, 1952
Gerald David Davis, B.S., 1953
Gerald Owen Early, B.S., 1954
Robert Barker Gaither, B.M.E., Alabama Polytechnic Institute, 1951
Romualdas Kasuba, B.S., 1954
Kalevi Jaakko Kokkila, B.S., Finnish Institute of Technology, 1951
John Scott MacKay, B.S., 1956
Donald Wayne Moon, B.S., 1956
Harlan Wesley Petthman, Jr., B.S., 1953
William Edward Streight, B.S., 1957
Gerald Douglas Trimble, B.S., 1956
Franklin Allen Vassallo, B.S., University of Connecticut, 1956
Harry Stephen Wilson, Jr., B.S., United States Military Academy, 1952

## In Metallurgical Engineering

Joseph Francis Enrietto, B.S., 1956 Donald Walker Keefer, B.S., University of Idaho, 1954 Kevin Michael Myles, B.S., 1956 Manavasi Narasimhan Parthasarathi, B.S., University of Madras, 1944; B.S., Benares Hindu University, 1948 Charles Archibald Robertson, B.S., 1956

#### In Music Education

Dean Robert Archer, B.Mus.Ed., Vandercook College of Music, 1954
Donald Ray Baird, B.Mus.Ed., Phillips University, 1954
Lida Oliver Beasley, B.Mus., North Texas State College, 1956
Joan Colleen Patton Bicknell, B.S., 1956
Kenneth Gene Bloomquist, B.S., 1953
Charles Barton DCamp, B.S., 1953
Charles Barton DCamp, B.S., 1956
Daniel Carl Deninno, B.S., New York State Teachers College (Fredonia), 1956
Jerry K. Englen, A.B., Alabama State Teachers College, 1954
Ransel Klicka Evans, B.Mus.Ed., Stetson University, 1956
Jerry Roland Friend, B.Mus.Ed., Millikin University, 1954
Wendell Lee Jacobs, B.Mus.Ed., Phillips University, 1952
Albert Rykken Johnson, B.Mus., Saint Olaf College, 1955
Frances Marie Johnson, A.B., Carleton College, 1955
Robert Dean Joiner, B.Mus.Ed. Illinois Wesleyan University, 1953
Ralph Charles Lutz, B.Mus.Ed., University of Wichita, 1953
Ruth Adele McClain, B.S., Olivet Nazarene College, 1955
Joseph Daniel Secrest, B.S., East Carolina College, 1955
Robert Harry Swanson, B.Mus.Ed., Vandercook College of Music, 1952
James Brent Taylor, B.Mus.Ed., Indiana University, 1956

## In Physical Education

Delores May Curtis, B.S., Indiana State Teachers College, 1951
John Richard Litster, B.S., 1956
Jack Earl McBride, A.B., Monmouth College, 1956
Ambalal Chunilah Rawal, Diploma in Physical Education, J.D. Physical Institute (India), 1942
David Howe Stacey, B.S., Springfield College, 1956

# In Physics

GENE ALAN BARNES, B.S., California Institute of Technology, 1956
PHILIP HAROLD BEATTY, A.B., Wheaton College, 1953
GEORGE THOMAS CONDO, B.S., 1956
RUDOLF OTTO FAISS, A.B., 1953
JACK HARLEY HETHERINGTON, A.B., Municipal University of Wichita, 1956
RICHARD H. HOLCOMB, B.S., University of California, 1953
ROBERT ADAM KAWCYN, B.S., Case Institute of Technology, 1956
JOHN FRANCIS MESTER, B.S., 1956
JOHN DAVID OBERHOLTZER, B.S., George Washington University, 1955
EUGENE ROBERT WEINER, B.S., Ohio University, 1950
RUTH FLEISCHMANN WEINER, A.B., 1956

# In Physiology

Jerry Robert Fleischner, B.S., 1951 Raymond Leo Henry, B.S., 1953 David George Reynolds, A.B., Knox College, 1955 Jerome Yochim, B.S., 1955

## In Sanitary Engineering

ROGELIO BONILLA-TORRES, B.S., University of Puerto Rico, 1947
JOHN IRWIN THOMAS MOLONEY, B.S. (Civil Engineering), B.S., Sanitary Engineering), 1952

In the Teaching of Biological Sciences and General Science

RICHARD JAMES BONHAM, B.S., 1956 FLORENCE CRYSTAL HENRIKSEN, B.S., 1953 MARY ELIZABETH MANGAOANG, B.S., 1956

#### In the Teaching of Chemistry

GLEN EDWARD GAIDES, B.S., 1955 STANLEY KRISHEN MADAN, B.S., A.M. (Psychology), M.S. (Chemistry), Forman Christian College, 1945, 1950, 1954

# In the Teaching of Mathematics

JOHN SAMUEL BROWN, A.B., DePauw University, 1956 RICHARD JOSEPH MEINHARD, B.S., 1953 YOLANDA TONG, B.S., 1956

## In Theoretical and Applied Mechanics

GEORGE WILLIAM BROCK, B.S., University of Nottingham, 1952 RONALD GRANT LAMBERT, B.S., 1955 JOHN KENNETH RIEDEL, B.S., Pennsylvania State University, 1943 JERRY WILLIAM SCHWEIKER, B.S., 1953

#### In Zoology

RALPH ALVIN JERSILD, JR., A.B., Saint Olaf College, 1953 IRENE LOUISE RASMUSSEN, B.S., 1956

## Degree of Master of Music

RICHARD EPPES ANDERSON, B.Mus., Converse College, 1952 George Paul Andrix, B.Mus., 1956 Catherine Elizabeth Betts, B.Mus., Eastman School of Music, 1955
Donna Sue Burton, B.Mus., Indiana University, 1955
Jack William Ergo, B.Mus., 1954
Ralph J. Jones, B.Mus., Municipal University of Wichita, 1955
Wilson Callender Krebs, B.Mus., Louisiana State University, 1956
Bernard Charles Lemoine, B.Mus., Oberlin College, 1953
Mary Margaret McKean, B.Mus., University of Colorado, 1956
Robert Henry Perry, B.Mus., Ithaca College, 1952
Joan Grimes Reuning, B.Mus., Eastman School of Music, 1956
Marvin Salzberg, B.Mus., Hartt College of Music, 1953
Frank Robert Shallenberg, B.Mus., B.Mus.Ed., Phillips University, 1953, 1953
Eleanor Mary Soden, A.B., University of Idaho, 1956
Laura Virginia Tillotson, B.Mus., Baylor University, 1955
Troy Jervis Underwood, B.Mus., North Texas State College, 1955
Inge Ruth Weiss, B.Mus., Northwestern University, 1954

# Degree of Master of Education

ROBERT LOUIS AIMONE, B.S., Indiana State Teachers College, 1955 HAROLD HARUO AJIROGI, B.S., Brigham Young University, 1949 ARTHUR CHARLES ANDERSON, B.S., 1937 CLARA RITA PISKORSKI ARMSTRONG, B.S., New York State College for Teachers (Buffalo), 1953 GEORGE ROBERT BAPTIST, A.B., Beloit College, 1951 DONALD THEODORE BEAGLE, B.S., Eastern Illinois State College, 1954 BARBARA ANN BERGER, B.S., 1955 GWENDOLYN WINTERBERGER BERRY, B.S., 1955
CELESTIA REIF BRANDENBURG, B.S., St. Louis University, 1951
JOAN ELIZABETH BRON, A.B., Elmhurst College, 1953
THOMAS ANDREW BURNS, A.B., LL.B., 1941, 1947
PHYLLIS MARIE CAMPBELL, B.S., Southern Illinois University, 1954
MAX KAYE CHASTEEN, A.B., Eureka College, 1951 RALPH WILLARD CHRISTISON, A.B., Illinois College, 1952 JEAN CORN COOPER, B.S., Murray State College, 1954 BILLY RAY CRUM, B.S., Eastern Illinois State College, 1950 ROBERT WILLIAM DAVENPORT, B.S., Eastern Illinois State College, 1954 WILMA CLAIRE BENTLEY DROSTE, A.B., 1934 RICHARD PAINTER FELTON, A.B., 1951
THELMA CAMPBELL FIRTH, B.S., 1953
RUSSELL RAYMOND FISHER, B.S., Greenville College, 1953
BYRON STANLEY FORTNEY, B.S., Southern Illinois University, 1956
RENEE FREEDMAN, B.S., 1956 NELL JEAN CASEBIER GALLUZZO, B.S., 1950 OWEN PAUL HALLEEN, B.S., Wheaton College, 1956 ELEANOR BJELLAND HARMS, A.B., 1939 Mary Jane Fuelbier Harris, A.B., Quincy College, 1938 MARY JANE FUELBIER HARRIS, A.B., Quincy College, 1938
CLARA HEATON, B.Ed., National College of Education, 1935
RONALD KEITH HEWITT, B.S., 1956
CARL EUGENE HOUSE, B.S., Southern Illinois University, 1950
GIDEON ALFRED JACOT, B.S., 1953
DONALD VICTOR JOHNSON, JR., B.S., 1956
KENNETH STANLEY JOHNSON, B.S., 1953
RICHARD ANDREW JOHNSON, A.B., Illinois College, 1950
LOY WESLEY JONES R.S. 1052 LOY WESLEY JONES, B.S., 1952 OLA BEATRICE WESLEY KIRKSEY, B.S., Alabama Agricultural and Mechanical College, 1950 JON RICHARD KNOWLES, B.S., Northern Illinois State College, 1954
PAUL WILLIAM KOESTER, B.S., Eastern Illinois State College, 1951
JOANNE WAYNE LASKEY, A.B., Roosevelt University, 1954
WILLIAM HENRY MARSHALL, A.B., Eureka College, 1934
JUDITH CAROLYN GATES MARTENEY, B.S., 1956 MARK EUGENE MILLER, B.S., 1951 Berneice Jewel Kleist Mohlenbruck, B.S., Western Illinois State College, 1950

William Francis Murphy, B.S., 1956
Darrell Heinrich Naber, B.S., Concordia Teachers College, 1946
Bert Walter Nordberg, B.S., 1956
Emily Oladoyin Ojo, A.B., Wayland College, 1956
Jemrola Adeleke Ojo, B.S., Wayland College, 1956
Lamia Emine Ozinonu, Diploma, Ankara University, 1942
Norma Lee Phillips, A.B., 1951
Eunice Adelia Nelson Pietila, B.S., Stout Institute, 1937
Robert Purcell, B.S., Northern Illinois State College, 1953
Kenneth Albert Retzer, A.B., Illinois College, 1954
Nancy Virginia Richardson, B.S., 1952
Forrest Charles Rohr, A.B., 1936
Abdurrahman Seref Sanay, Diploma, Gazi Teachers College (Turkey), 1936
Edward Wheeler Scott, B.S., Washington University, 1953
Herbert Winfield Scott, B.S., Bradley University, 1941
Mary Mayfield Shannon, B.S., 1953
Charles Allen Smith, B.S., 1953
Dovie Maudine Sooy, A.B., Illinois College, 1955
John Spudich, B.S., Illinois State Normal University, 1952
Joe Anthony Srsnick, A.B., 1955
Bill Stewart, B.S., Shurtleff College, 1934
Leon Thomas Stewart, B.Ed., Eastern Illinois State College, 1941; A.M., 1949
Flora Mae Stokes, B.S., Illinois State Normal University, 1953
Ernest Robert Walther, A.B., Augustana College, 1952
Julie Wells Wehlan, B.S., 1956
Ruth Lillian Smoot White, B.S., 1953
Betty Townslay Willard, A.B., Illinois College, 1954
Barbara Bahcall Willerman, B.S., 1953
William Theodore Wright, A.B., McKendree College, 1950

# Degree of Master of Social Work

Thomas Darrell Bounds, B.S., 1955

James Herbert Brown, A.B., Hope College, 1952

Bertha Walters Bunda, A.B., Mississippi State College for Women, 1934

Martha Copeland, A.B., Wesleyan College, 1953

Kathryn Brown Davenfort, B.S., Oklahoma Agricultural and Mechanical College, 1951

Ronald Myron Feinstein, A.B., Roosevelt University, 1955

Norman Feldman, A.B., 1950

Elaine Edith Finnegan, A.B., Roosevelt University, 1953

Janet Tuft Garvin, B.S., Temple University, 1953

Willma Sarah Higgins, A.B., Roosevelt University, 1951

William Hirum Iverson, A.B., Capital University, 1950

Norman Robert Johnson, A.B., Capital University, 1952

Eglons Lukins, A.B., Franklin and Marshall College, 1952

Eglons Lukins, A.B., Kentucky State College, 1942

Mary Louise Price, A.B., Denison University, 1954

Jean Victoria Prosser, A.B., Roosevelt University, 1948

Charles William Ruddell, B.S., 1956

# Degree of Master of Fine Arts

NORMAN ARTHUR BATE, B.F.A., Pratt Institute, 1954
JOHN WARREN EKSTROM, B.F.A., 1952
JOSEPH LESLIE HORVATH, B.F.A., Washington University, 1953
KENNETH ALVIN KERSLAKE, B.F.A., 1955
PO-HYUN KIM, A.B., Chosun University, 1951
FREDERIC WILLIAM QUINN, B.F.A., Washington University, 1953
PAUL VAZQUEZ, B.F.A., Ohio Wesleyan University, 1956
FARRAR MCNEAL WILSON, JR., B.F.A., University of Colorado, 1954

## Degree of Master of Laws

SAMUEL MAX FETTERS, LL.B., De Paul University, 1954

# Degree of Master of Architecture

HENRY SHERIDAN BRINKERS, B.Arch., Yale University, 1955 WALKER LEE PATTON, B.S., 1953 MAURICE AUSTIN PAYNE, JR., B.Arch., Washington University, 1955 JOSEPH VOSKA, JR., B.S., 1956

# Advanced Certificate in Education

Fred Tillman Hash, B.S., Eastern Illinois State College, 1952; Ed.M., 1955
Arne Holter, B.S., University of Minnesota, 1933; Ed.M., 1953
Raymond Arnold Hylander, B.S., Northern Illinois State College, 1949; A.M.,
Northwestern University, 1950
Jessie Katherine McLuckie Nixon, B.S., M.S., 1949, 1952
Mary Alice Sheaffer, B.S., M.S., Iowa State College, 1938, 1948
Louis James Valverbe, A.B., Mankato State College, 1951; B.S., Southern Illinois University, 1952; Ed.M., 1955

# COLLEGE OF AGRICULTURE

# Degree of Bachelor of Science

# In Agriculture

Willard Lee Alford, Jr. WILLIAM BERNARD AMBROSE RICHARD ANTHONY ANDERSON Vernon Alexander Argo, Jr. EDWARD FRANK ARNDT Jo Alden Ashbaugh WALTER EVERETT AUSTIN DONALD McCutchan Bay JOHN HOWARD BEATY Lowell Leon Beck Urban Leo Becker ARTHUR GORDON BELL Godfrey Eugene Bergschneider NILS BJERG CLAUDE THEODORE BJORK, JR., Honors LEON EARL BONNEUR DAVID CHARLES BOSSERT Rudolph Botel JACK LEE BOTTENFIELD JACKIE DEAN BUTLER RICHARD DEAN CLARK JAMES ARTHUR CLEARY ROBERT WYMAN COCHRAN Bruce Warren Cone ROBERT MEROLD COOK ROBERT EDWARD DAVIS William Frank Dehority RONALD LEO DEININGER, HONOIS DAVID AUGUSTUS DOETZEL LEONARD EDWARD EBERSOHL, Honors JOHN FRANCIS FLECKENSTEIN, HONORS VIRGIL MAX FOSTER MERLE TAYLOR FOX RODNEY EUGENE FRANKLIN RONALD LYLE FRIEND, Honors JOSEPH CHARLES FROULA John Henry Gardner HENRY HERMAN GARTNER EDGAR ALLEN GASKILL FRANK NATHAN GEBECK DONALD EUGENE GERMAN

CHARLES ARTHUR GHOLSON STANLEY WAYNE GINGRICH, Honors Donald Eugene Gribble GLENN RAYMOND GROSCH, Honors Donald Edward Hackerson JAMES MILTON HACKETT, High Honors ROBERT NEWBURN HAGEMEYER DELMER ROBERT HALL HARRIS WAYNE HAMMER CHARLES HOWARD HAMMIL ROBERT LEE HANES RAYMOND MICHAEL HARDIMON DEAN GERALD HEPFER, Honors LOWELL FRANCIS HILLEN ALAN EUGENE HOLZ Robert Wayne Hopping MERLE ROBERT HORWEDEL IAMES PRESTON HOWARD ROGER McKINNEY HULL ROBERT KING HUNT RALPH LARRY HYER, Honors GEORGE DAVID IRWIN, High Honors Lowell Boyden Johnson, High Honors NORMAN ELMER JOHNSON ROBERT ALLEN JOHNSON Leslie Winfield Jones Donald Claude Kaufman RICHARD NICHOLAS KAUTH DONALD WARD KEIM GERALD KENDALL JERRY LEE KERMICLE, High Honors LOREN EDWARD KNAPP Wesley Dale Knutson Homer Louis Koop TED LOUIS KUHNEN HENRY CASPER LANAN CLAUDE ALLEN LAND MELVIN OLIVER LARIMORE GEORGE ALLAN LARSEN WILLARD RAYMOND LARSON WINFORD CARL LEGATE

WILLARD DEAN LIGHTY ROBERT MYERS LIND CLARENCE ALVA LOUCKS WAYNE HARRY MACKLIN, Honors JAMES HAROLD MAHON WAYNE WILLIAM MARQUART, Honors Andrew Wayne McDonald DON GENE McNEELY JAMES ARTHUR MIDDENDORF, Honors KEITH RAYMOND MILLER ROBERT FRANKLIN MILLER WILLIAM LLOYD MILLER, Honors JOSEPH JAMES MILNAMOW CHARLES ARTHUR MOORE HARVEY FRANKLIN MOORE THOMAS HENRY MOORE, HONORS JEROME FRANCIS MORSCH JAMES LAWRENCE MUELLER ROBERT FRANKLIN MUMM DONALD DEAN MURRAY LEE SPENCER MURRAY JOSEPH LOUIS MUSOLINO George Newton Myers HAROLD STANLEY MYROLD PHILLIP EUGENE NAFFZIGER NANCY JEAN NEUMANN MAXWELL HARVEY NEWPORT RICHARD NICHOLS JESSE LAVERN OSTHUS KENNETH JUNIOR OSWALD GERALD LEVON PAGE MAURICE LEON PAUL GERALD ROBERT PAYNE HOWARD LLOYD PERRY Donald Allen Peterson LEON WILBUR PHELPS WILLIAM JOSEPH POHL DAVID RAY PORTER, HONORS SAMUEL EUGENE PORTER, Honors

Donald Chandler Potter DONALD ROBERT PRATHER DONALD HAZEN RICE BILLY LEE RICH JERRY JAMES RINCK VIRGIL MARLOWE ROSENDALE, HONORS NORBERT JEROME SARGENT DAVID GEORGE SCHEURING, Honors FRANK HENRY SCHOONE DAVID MARION SCHOONOVER, High Honors ROLAND KARL SCHWANKE, HONORS RONALD JOHN SEIBEL CHARLES WILSON SHUMAN TACK FARNSWORTH SMITH William Kay Spicer PART OF THE PROPERTY OF THE PR GARY BRYAN THOMSON DONALD LEROY THUESTAD, HONORS CLARENCE REED TIPTON, JR. DAN OLIVER VAN ETTEN ROGER ALLEN VOSS AUDREY DELBERT WAGNER CHARLES JOSEPH WARGEL ORMAND GLENN WEBB ROGER KAY WEGEHENKEL, High Honors Donald Lee Welbourne James Roger Wenstrom JAMES ALEXANDER WEST WAYNE ELMER WESTERHOLD DONALD EUGENE WHITTEN
CHARLES EDWARD WILLMAN
WILLIAM ROGER WOERNER
DANIEL DOUGLAS WOLFORD Nelson Verl Wood Harry Smith Wright, Jr.

# In Dairy Technology

BILLY LEON BORN
RONALD LUTHER BOWERS
RAYMOND ALLAN EBBERT

Joseph Anthony Kainz James Matthew Litwin

# In Floriculture

ELDON THEODORE AHNER
DIXIE CAROL DAYMONT
ROBERT HENRY DINTELMANN
EUGENE FREDERICK DRAMM
THEODORE JAMES ECK
HENRY RYUZO EMOTO, HONORS

CARL WILLIAM ENGE JAMES ALFRED FIZZELL JAMES WILLIAM HOUSER, JR. DARRYL DUANE LAMPS FREDERICK WILLIAM SEIBOLD

# In Food Technology

WILLIAM EMMETT MARSHALL

KENNETH EDWARD SCHROEDER

# In Home Economics

JANE ANN BEHRINGER CAROL ANN BOSTON JO ANN BRYSON PATRICIA ANNE BYRNE SALLY HULL CROOK JOAN KAY FREITAG
JOANNE NORTHRUP GABBARD
CAROLE SUE GREATHOUSE
ELINOR HEDWIG HABERLE
DOROTHY ANN HARRIS

JUDITH ANN HENNIG
MARY FRANCES JENSEN
RUTH WAKELEY JOHNSON
CAROLYN BEATRICE JONES, HONOIS
DORIS MICHIKO KAWASAKI
JOY KIRTLAND
MARYLYNN FRANCES KOMAREK, High
HONOIS
DOROTHY FERNE KRAMER
BARBARA JEAN KUHN
DONNA BELLE LARSON
MARY CATHARINE MARVEL
DARBY GAY MCGINTY
ELLEN EASTBURN MEYER

LORETTA MAXINE NAGEL
BARBARA SUE PABST
JOYCE JANETTE PETERSON
VIVIAN PHYLLIS PEUCKERT
MILDRED ANNE PLAYER
JOYCE ANN POGGIOLI
EUNICE MARTHA SCHAUDT
MARILEE RUTH SCHMIDT
BERNADETTE MARIE SERAPONAS
MARINA STEGGERDA, High Honors
VIOLA TALLMAN
CAROL NADINE TASCHER
NANCY ANN TOMM
CAROL EDNA WALKER
DORIS JEAN WILLIAMS
SYLVIA IRENE WILLIAMS

# In Home Economics Education

SANDRA ANN BEUSHAUSEN BABBARA SUE BOYD MARILYN HELEN GAMLIN BARBARA LOUISE HAYER JOANNE LEE HELMS MARILYN BEVERLY HUBER

CAROL ANN MUENTER
PHYLLIS CATHERINE MURPHY

SHIRLEY MAE JOHNSON MARTHA ANN MASSIE IRLENE MAE PARRILL, HOROTS LILA MAE RICKETTS VIRGINIA LOUISE WILLKE

In Horticultural Food Crops

HARVEY JOSEPH HORTIK

# COLLEGE OF ENGINEERING Degree of Bachelor of Science

In Aeronautical Engineering

RONALD ALLAN AMMONS
DONALD RUSSELL BATES
FRED DAVID BREUER, High Honors
CHARLES ARTHUR DARLING
DANIEL LEVON DUDAS, HONORS
JAMES LAVADA FERGUSON
DONALD GEORGE GLENNIE
EUGENE GARNETT HILL
CHARLES THEODORE JACKSON, JR.
HUGH MCWHIRTER JACKSON, HONORS
WALTER ANDREW KAUFMANN
JOHN WALTER KISTENBROKER

Hamilton Sterling Littlepage David Edward Mann James Edward Manuel, Honors Robert Charles Ohm Duane William Pick John Polackowyj Thomas Edward Polek Charles Phillip Schaefer Stanley Eugene Schmidt John Sydorenko Gary Robert Van Sant Richard Lee Wolgamott

# In Agricultural Engineering

Frank William Bauling, High Honors Frederick William Fairbairn Roy Jean Robert Kleven Maurice Leon Paul

# In Ceramic Engineering

DONALD ROY BEEBE, Honors ROBERT WARREN CAIN WILLIAM MICHAEL FABER ERNEST FRED KARNER DAVID JOSEPH KESSEL, High Honors Walter Erich Rehm Donald Joe Romine Gary Edward Winter

## In Civil Engineering

EDUARDO ALDANA-VALDÉS, HONOIS ARTHUR JOHN BADER DALE WARREN BALLINGER GEORGE ROBERT BLANKE ROBERT CHARLES BROZIO HARRY ALBERT BRUNNER WILLIAM FRANKLIN BUNTE, Honors WARREN EDMOND CAMPBELL THOMAS EUGENE CAPPELLIN RICHARD PAUL CASEY ROY STEWART COUSINS PERRY DEMAKEAS KENNETH WOLCOTT DERBY, High Honors SAMUEL SMITH DOAK DAVID CAMPBELL EDMONDSON ATHAL EUGENE EMERICK Paul Joseph Fischer HAROLD EUGENE FRYE II WILLIAM FREDERICK GERDES IVAN GOMEZ-VILLA JAMES CORNELIUS GROGAN Wilfred Ka Gyi CHARLES FRANCIS HARNEY JAMES HOWARD HARRIMAN CLARENCE WILBUR HAUSCHILD, High LYMAN WAGNER HELLER HAROLD WILLIAM HILL JOHN PETER HOLMES

Delbert Fred Karmeier
Rudolph John Kasal
Brantley Michael Kelehar, Jr.,
Honots
Thomas Raphael Kinney
Harry Krampitz
Frank Joseph Krbec
Daniel Alexander Kurowski
Ernest Herman Lidstrom
Bjarne Lund, Jr.
William Raymond McKavis
Norman Helmer Nelson
Richard Gordon Petit
Stanley Joji Shigemura
Richard Angelo Smania
Algirdas Jonas Stepaitis
Alexander Velco
Ronald Ray Watkins
Richard Lee Wight
Samuel Martin Wolfington
Clarence Ryoji Yamamoto
Khalid Mahmoud Yasin
Daniel Egan Yavorsky

# In Electrical Engineering

Fernando Acosta-Carbonell CRAIG ROBERT ALLEN, Honors ROBERT WESLEY ALLINGTON JEROME GABRIEL APFELBAUM JAMES OSCAR BAECHLE HAROLD ELLSWORTH BAKER James Irvin Barker LEON EDWARD BENETIER ROBERT KEITH BEREMAN FRANK XAVIER BERG, HONORS DAVID JEWELL BERRIER THOMAS ROSCHE BERTOLINO, High RAYMOND FREDERICK BEULIGMANN, High Honors William Edmund Bicknell, High Honors Vernon Oscar Blackledge, Honors RICHARD WALTER BROWN
MARTIN JOSEPH BURKE
DAVID EMORY CARLSON, HONOIS JACK EUGENE CASEY MILFORD RUNDLE CASTEEL KENNETH JOHN CASTLE, HONORS James John Choncholas Allan Dale Christiansen JOHN HENRY CLARK, HONOIS
GERALD DUANE COLE, High HONOIS
WILLIAM HENRY CONWAY, HONOIS
WILLIAM LESLIE DAVIS ROBERT PAUL DELZELL, HONOIS JAMES WILLIAM DE SIMONE, JR. ROBERT WILLIAM DONNELLY CHARLES RICHARD DOUGHERTY SAMUEL FLOYD DRURY, JR., Honors DENNIS GENE EKSTEN, High Honors JOHN EDWARD ENGEL

Donald Francis Fraipont, Honors Leroy Carl Fricke ROBERT GOUCHER FRIDAY HAROLD CHARLES FUE, Honors Joseph Anthony Gacek
Joseph Anthony Gagliardi Herbert Gross, Jr. ENRIQUE HAFTEL, Honors John Paul Hammel EARL LAURENCE HEACOCK, HOROIS CASSIUS ALBERT HESSELBERTH, High Honors HAROLD RUDOLPH HIRSCH WILLIAM HENRY HOLLADAY Donald Louis Hurt ROBERT MICHAEL JANOWIAK, Honors Rodger Allyn Johnson Gordon Russell Justus Henry Paul Karwan Bekele Kebede William Andrew Kennedy THOMAS JOSEPH KILLIAN, HOROIS DAVID GEIGER KOCHER, High Honors RICHARD GENE KRAMER Robert George Krawczyk Elwood Alfred Kruse James Lester Lawrence, Jr. Sau Pan Leong Wayne Earl Lohman Gerald James Marinello RICHARD ALLAN McCREADY ZIGURDS MEDNIEKS Earl Wayne Miller RAYMOND DORSEY MILLER RICHARD VERN MILUM Zenonas Milunas Ignacio Octavio Moreno-Restrepo

THOMAS EDWIN MUELLER, High Honors
THOMAS MANION MUNDAY
DONALD FREDRICK NIGG
JOHN GRIFFIN NOBLE
ROBERT JAMIESON NUNAMAKER
THOMAS GREGORY O'LEARY
JOHN CHARLES OLSON
STEPHEN YOSHIO OSUMI
JAMES WILLIAM PETERSON
JOHN PARK PHIPPS
KEITH WEBSTER PURVIANCE, HONORS
ALFRED GEORGE QUADE
HOWARD KEITH RAY, HONORS
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HAROLD EUGENE RICCA
WALLACE BENNETT RILEY
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JAMES THOMAS ROLING

WILBERT HOWARD RUEDGER
CHARLES ROY RUNYAN
WALLACE BENJAMIN SCHROTH, HONORS
STANLEY SEICHI SHIROMA
HARRY ALFRED SHUBERT, HONORS
JANINE ANELE SOLIUNAS
JOSEPH JEROME STAFFORD
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THEODORE E. TINGLEY
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PATRICK JOSEPH TOOMEY
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WILLARD BARTLETT WHITLER, JR.
HANCE S. WOOLEVER
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FRANK GEORGE ZOLA, JR.

# In Engineering Physics

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J. BERNARD BLAKE, HONOTS
ALAN GEORGE BODINE, High HONOTS
CARL LEE COLWELL
EDWARD JOHN CROKE
HENRY PIERCE EICKELBERG
WILLIAM OWEN GENTRY
ROBERT JOHN HEIDENREICH
RICHARD JOHN KURZ
KWAN WU LAI
GEORGE ALGIS PAULIKAS, High

LAURENCE BLISS RICE
DAVID LARRY SACHS, High Honors
RICHARD SHERRILL SANDBURG, HONORS
JAMES EDWIN SCHLOSSER, High
HONORS
ALERED KURT SPIEGLER

ALFRED KURT SPIEGLER DONALD DURWARD TAYLOR STANLEY GEORGE WOGULIS DAVID PERRY WOODALL

# In General Engineering

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Honors

JOHN LOUIS KUTILEK
DONALD EDWARD LA CROSS
DONALD DEAN LARSON
JOSEPH ARTHUR PLOMIN
ROLAND EUGENE RUBLE, High HONORS
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ALLAN RODERIC SCHULTZ

# In Industrial Engineering

WILLIAM HENRY BARDENS, HONORS
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DONALD LEE BREE
RICHARD LEE COX
PAUL HENRIC DAVIS
GONZALO DURAN-MAZUERA
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GLENN RICHARD SWEGLES
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# In Mechanical Engineering

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SHIGERU AKAGI
RICHARD WERNER AUBERT
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LEONARD MICHAEL BARTOSIK
JOHN TRACY CARTLAND

ROBERT LOU CHAMBERS JOSEPH CHING-FU CHOW DONALD FRANCIS CIZEK JAMES WILLIAM DEAN ALVA DEAN DILLON DONALD CHARLES DOWDALL

GARY ALAN DRONE DONALD RAE DUDAS, High Honors MELVIN DEAN EIDE FRED MARTIN FOSTER RED MARTIN FOSTER
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ROGER DARRELL GUENTHER, HONOIS
ROBERT HENRY HEIL
RUSSELL PARK HILL, HONOIS
DENNIS DEAN HORN, High HONOIS Morris Hosoda VIRGIL HOWARD JOHNSON, JR. JACK LEWIS KELLY, HONORS JAMES RICHARD KINDERNAY HERBERT CARL KOBIALKA ALFRED DOYLE KOELLER DANIEL KOSTOMAY PHILIP EARL LAMBDIN LESLIE ELLIS LANTZ HUBERT NICHOLAS LEIPZIG August Joseph Leone BASIL ANDREW LIBOVICZ RICHARD FREDERICK LITTLE DONALD EUGENE MAYSZAK THOMAS FREDRICK McCarthy JOHN ANTHONY MIKS MORTON NEAL MILLER THEODORE WILLIAM MILLER, JR. WILLIAM CALVIN MOHR ROBERT LEROY MONSELL DALE MORRIS JOHN MARSHALL NELSON RONALD EDMUND NOVIT PHILLIP PETER NUCCIO DONALD REX PARKER JAMES ROBERT PASQUINELLI

CARROLL EUGENE PETERS Luis Mario Plaza CHARLES JOSEPH POLITO FRANK JAMES POSKOCIL GEORGE RICHARD POWERS, High Honors Santiago Prieto JAMES COOKE PRIMM ALEXANDER RANKIN, JR. WILLIAM JOSEPH REINERT ANTONIO RICCARDI CYRIL LESTER RICH, JR. HARTLEY MAURICE SANGERMAN RUDOLPH FREDERICK SCHNEIDER GEORGE DANIEL SHEEHY RICHARD ERWIN SIMON SAUL LEON SINGER RONALD WAYNE SLONNEGER JOHN CONRAD SMITH WILLIAM HENRY SMITH, JR. HENRY MARION SROKA JOHN FREDERICK SULLIVAN
KENNETH ROLAND THIES
ARTHUR DUANE TONELLI, Honors
CHARLES JOSEPH TRAVERS THEODORE STANLEY TRYBUL RICHARD CHARLES WAGNER, HONOIS JOSEPH ROBERT WALTA ROBERT ALLAN WHITE CHARLES RICHARD WILTGEN RAYMOND THEODORE WOLF, HONORS RICHARD WILLIAM YATES JOHN KENT YOUNG, HONORS PAUL JOEL ZUTZ

# In Metallurgical Engineering

WILLIAM THEODORE BECKER
ADOLPH JOHN BIRKLE, JR.
DONALD HERBERT BOONE, High Honors
THOMAS CHARLES DVORAK
RICHARD FLEMING FALCK
RALPH WAYNE GETZ
SALVATORE JOHN GRISAFFE
ALLEN PETER HAARR
LYLE RICHARD JACOBS

ROBERT FRANK JANNINCK, High
HOHOUTS
DONALD EDWARD KIZER
WILSON LEEMING
HUGO TOSCANO
THOMAS MILFORD WALTON
DANIEL WEINSTEIN
DONALD CLARK WOODWARD

# In Mining Engineering

GARY DENEAN BONE, High Honors ARTHUR PAUL MOSER RICHARD EUGENE STRAUSER HOWARD F. VANDENBURGH

In Sanitary Engineering

THOMAS TADAYUKI KUGIYA

EARL ISAAC ROSENBERG

# COLLEGE OF LIBERAL ARTS AND SCIENCES

## Degree of Bachelor of Arts

In Liberal Arts and Sciences

DONALD WAYNE AARONSON
RICHARD WILLIAM ABBUHL, Honors in
Liberal Arts and Sciences with
Distinction in Zoology
BRUCE REEVES ADAMSON

ROBERT JAMES ADELSPERGER, Honors in Liberal Arts and Sciences with Highest Distinction in English MADELINE ALBERT LINDA JANE ALDRIDGE

NANCY LEE ALLEN CAROL ALICE ALLISON JOHN FRANK ANDREA LUCY ELIZABETH ANDREW JAMES GABEL ARCHER, Honors in Liberal Arts and Sciences with Highest Distinction in History RICHARD EMIL ASCHER MELVA JANE AUFENKAMP, Honors in Liberal Arts and Sciences with Distinction in History NANCY JANE AUGUSTUS MARGARET ANN BACON, Honors in Liberal Arts and Sciences BYRON NEFF BAKER Robert James Barrett FELIX ANTON BEINER, Honors in Liberal Arts and Sciences Vivian Marlene Benedetti Jane Ann Benson Gordon Arvid Berg, Jr. ELLEN BEROLZHEIMER Lionel Joseph Besse RICHARD DEAN BESSER FREDA SILBER BIRNBAUM JOSEPH WARD BLACK JAMES RUSSELL BLAKELY DONALD DODGE BOWERS DEAN RICHARDSON BRANDT David Holmes Brawner Paula Bresee, Honors in Liberal Arts and Sciences with Highest Distinction in History JAMES LOUIS BRODERICK RICHARD KEITH CARLSON THELMA LEE CHAPMAN HAROLD ROBERT CHENAULT, JR. JUDITH CATHERINE CLEARY, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science RICHARD GORDON CLINE, Honors in Liberal Arts and Sciences with High Distinction in Political Science Donald Gene Cohan IRWIN JAY COHEN, Honors in Liberal Arts and Sciences JANET RAE COLLINS JOYCE CAROLINE DAMRON Geraldine Ann Dangles Rochelle Jeanne Davis Judith Ann Day JAMES EVERETT DEJONGHE RICHARD CHARLES DEMBECK Peter MacArthur Deuel JAMES EDWARD DEVERO JAMES MARTIN DONNELLY Donald Jay Drummond Robert Lucien Ellison NANCY SUE EMIG Samuel Louis Erwin

Mary Jane Even

DAVID VICTOR FEINSTEIN Sandra Lee Feldman EDWARD GENE FICHTNER REGINA GYTE FIRANT DAVID EARL FISCHER, Honors in Liberal Arts and Sciences Donna Barbara Foreit John Lawrence Fowlie KITTY BETH FRANKS RITA LOIS FREIDIN, Honors in Liberal Arts and Sciences with Distinction in History James J. Friedman Jean Miyoko Fujinaka John Robert Genn Margaret Joan Gilmore, Honors in Liberal Arts and Sciences THOMAS ROBERT GLATTER, Honors in Liberal Arts and Sciences BETTY ANN GLEASON Lionel Elmer Goff, Jr. RONALD MERVIN GONSKY CHARLES EDWARD GORODESS JOHN TEMPLE GRAY ENID WEINSTEIN GREENSTEIN, HONORS in Liberal Arts and Sciences ARTHUR TOBIAS GRONNER, HONOTS in Liberal Arts and Sciences with Distinction in Zoology Diane Judith Hansen JEROME OYVIND HARDESTY RICHARD LEE HARE DIANA CHRISTINE HASKELL Patricia Grayheck Hauser, Honors in Liberal Arts and Sciences with Distinction in Political Science Edward David Heffernan JAMES RICHARD HEIL Marilyn Ann Heitmann Elizabeth Halsey Hiller JOHN ALAN HOBBS, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science LAWRENCE TRAVIS HOPKINS BARBARA ELLYN HORBERG, Honors in Liberal Arts and Sciences HAROLD JOSEPH HORNE, Honors in Liberal Arts and Sciences LOY LAVERNE HOUSEWRIGHT JOAN MARY HRADEK, Honors in Liberal Arts and Sciences HERBERT EDSON HUDSON, Honors in Liberal Arts and Sciences with Highest Distinction in Speech CHARLES ELMER HUTCHISON JULIA DOROTHY INGERSOLL, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science ROBERT LEROY JAMES BETTY RUTH JOHANSEN CoAnne Nieman Johnson MARION ESTRID JOHNSON

SHIRLEY HELEN JOHNSON WAYNE EARL JOHNSON DIANNE OWEN JONES Morgan DeVol Jones CAROLE ANN KAMIN JANICE RUTH KATZ JIMMIE DALE KEEHNER, Honors in Liberal Arts and Sciences JAMES RALPH KENNEDY JOSEPH CHARLES KENSTON EDWIN COLE KEYSE William Dean Kinsley SAM McClung Kirk WILLIAM WAYNE KLAPROTH JOHN ALAN KLAWANS RONALD FRANK KLOPATEK CAROLYN HELEN KOLZE, Honors in Liberal Arts and Sciences John Richard Kunz Nicholas Labianca MIRIAM ELEANOR LAMAR MARTHA LANDIS, Honors in Liberal Arts and Sciences with High Distinction in History KAREN IRENE LAURIDSEN MAURICE DAVID LEBOWITZ, Honors in Liberal Arts and Sciences with Distinction in History HARRY FRANCIS LEPAN, JR. RICHARD ERNEST LIDMAN CLAUDE MAURICE LINFORD, Honors in Liberal Arts and Sciences Winifred Jane Long JAMES ALWYN LUNDERGAN Marvin Joseph Lurie BERNIE JOHN LYNGDAL Don D. Lyon HAROLD MAIZEL Fredric Steven Manalli WILLARD RENE MARRION SHEILA ANN MASON ARNOLD MITCHELL MASS CATHERINE DUNLEVY MAW NANCY ANN McCLEERY, Honors in Liberal Arts and Sciences with High Distinction in History MARK McDonald WILLIAM REXFORD McNAIR MELVYN LOREN MEDANSKY Sanford Bruce Mer, Honors in Liberal Arts and Sciences Patricia Lawder Miller PATRICIA STAPLETON MOE IRVIN MOELIS, Honors in Liberal Arts and Sciences MARY ANN MONTANA GLORIA MAY MORAN Robert Lee Munneke John Joseph Munzel ROBERT JUSTIN MURPHY DAVID EUGENE MURRAY ALBERT EDWARD MYERS, Honors in Liberal Arts and Sciences

LEO IVAN NELSON MARK SAMUEL NOVAK, Honors in Liberal Arts and Sciences WILLIAM LEO OBRIECHT Francis Edward O'Connor, Honors in Liberal Arts and Sciences LILLIE SUMAKO OKUHARA CAROL NOELLE OVERDORF STELLA VERONICA PAGALYS Rose Paloian ROBERT WALLACE PATTERSON Bernard David Pechter Myles Freeman Pember III MARIO PEREZ Priscilla Perry, Honors in Liberal Arts and Sciences with Highest Distinction in Economics REINA COHN POLLACK, Honors in Liberal Arts and Sciences ALICE WALKER PORTNOY John Anthony Quinn ALVIN RAIDBARD JAMES JOHN RAMSY JEAN RAPHELSON RICHARD WILBUR RAUH GLENN ARTHUR REDEBAUGH LEAH STERN REICIN CAROL MAY REINKE Allan Jesse Reniche, Honors in Liberal Arts and Sciences JOEL CHANEY RIGGLE Louis Warren Rittschof, Honors in Liberal Arts and Sciences JUANITA MARLENE ROBERTS, Honors in Liberal Arts and Sciences SIDNEY ROBIN, Honors in Liberal Arts and Sciences HARRY FRANCIS RODMAN DAVID DENBO ROSENSTEIN, HONORS in Liberal Arts and Sciences Patricia Sonia Roze RICHARD JAY RUBIN LEWIS GORDON RUDNICK, Honors in Liberal Arts and Sciences with Distinction in Political Science RICHARD BERNARD RUSCH Barbara Rae Russell KATHERINE DIANE RUSSIS CHARLES LEWIS RYBERG Dorothea Baughman Salama ROBERT HARRY SANCHEZ INA REVA SCHECTMAN RUDOLPH JACOB SCHMID Dana Theodore Schubert, Jr. HARRIETT LOUISE SHED SUSAN KAY SHIRLEY GLADYS GRAFF SHUTE CLARA SMITH SIMMONS JOAN SONJA SIPICK, Honors in Liberal Arts and Sciences ROBERT DEAN SKINNER JONAS SOLIUNAS

GERALDINE ANTOINETTE SPATZ RICHARD DANIEL SPELLBERG. Honors in Liberal Arts and Sciences DIANE LOUISE SPRINGER CARL ROBERT STEINER GRAZINA ONA STEPAITIS, Honors in Liberal Arts and Sciences SUZANNE ISEBERG STERN JOHN RAY STRATTON, Honors in Liberal Arts and Sciences JUDITH ANN SWAIN ARTHUR ARNE SWANSON JEROME KENNETH TANKEL, Honors in Liberal Arts and Sciences with Distinction in Political Science RICHARD HARPER TEAS HENRY CHARLES THUMANN, Honors in Liberal Arts and Sciences with Distinction in Political Science Dalia Anna Tutlys MARIO JAMES VALDES

JAMES G. VAN TINE, Honors in Liberal Arts and Sciences John Cread Vaughn Benjamin Vinar, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science RONALD JOHN VOGEL ROBERT WILLIAM WAGNER, HODORS IN Liberal Arts and Sciences with Highest Distinction in History BETTYE JEAN WALKER ROBERT WESLEY WEIHE JOSEPHINE CIARA WHITTON IAN WILMANOWICZ HAROLD MAYNARD WILSON, JR. JOHN MICHAEL WILSON Patricia Bowman Wood, Honors in Liberal Arts and Sciences with High Distinction in Speech Joseph Peter Yiakis Julia Zabarauskas RICHARD MICHAEL ZELAZNY

# In the Teaching of English

BARBARA MAE BALES, Honors in Liberal Arts and Sciences with Distinction in the Curriculum SUZANNE HAISCH BRUNKOW, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum SHIRLEY ANNE CAMPEGGIO CAROL ANN EPPEL, Honors in Liberal Arts and Sciences Anna Effa Fruin MARY ELIZABETH FULTON BARBARA ELIZABETH GLOVER BETTY MARIE HALL, Honors in Liberal Arts and Sciences THOMAS JOHN HEMMENS, Honors in Liberal Arts and Sciences ALICE JANE HUGGINS, Honors in Liberal Arts and Sciences RHETA YVONNE JULIAN PAUL SHINGO KADOTA

Paul Francis Londrigan Robert Dean Merideth, Honors in Liberal Arts and Sciences Lois Sabine, Honors in Liberal Arts and Sciences with Distinction in the Curriculum BERYL LOIS SHENHAIT THERESA JEAN STINE, Honors in Liberal Arts and Sciences DIANE JEAN TOMCHEFF, Honors in Liberal Arts and Sciences BARBARA JEAN TRACY, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum MARTHA ANNE WALKER, Honors in Liberal Arts and Sciences with Distinction in the Curriculum ELEANOR LEE WELLER, Honors in Liberal Arts and Sciences

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GLORIA DOLORES ANDREWS JEANNE LOUVEGNIES FOREMAN CLARA ALICE HARTMAN ELIZABETH RUTH JEFFRIES

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RAIMONDA ALDONA KLIORE, Honors in Liberal Arts and Sciences

## In the Teaching of Social Studies

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High Distinction in the Curriculum
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Liberal Arts and Sciences

# In the Teaching of Spanish

CAROL ANNE BERNSTEIN, Honors in Liberal Arts and Sciences LOIS HARRIET HEXDALL, Honors in Liberal Arts and Sciences JOSEPH MICHAEL LASCASAS

# In the Teaching of Speech

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# Degree of Bachelor of Science

# In Chemical Engineering

RICHARD MYERS ANGUS, HONOTS in Liberal Arts and Sciences with High Distinction in the Curriculum JOHN McClelland Armstrong, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum GARY ROBERT BAHR, Honors in Liberal Arts and Sciences with Distinction in the Curriculum Louis Francis Bolzan, Honors in Liberal Arts and Sciences with Distinction in the Curriculum RICHARD ARTHUR DANNELLS, JR. RALPH DUNCAN FURLONG JAMES VARNUM GALE, Honors in Liberal Arts and Sciences with Distinction in the Curriculum AIVARS KUPLIS, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum LUDA ALDONA LUINYS, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

Ronald Joseph Patun BURTON SANBURG LEONARD PAUL SCHAIDER, HODOIS in Liberal Arts and Sciences with Distinction in the Curriculum FREDRICK HAROLD SHAIR, Honors in Liberal Arts and Sciences with Distinction in the Curriculum John Topolewski, Jr. SAMUEL CUNNINGHAM VICKERS, JR., Honors in Liberal Arts and Sciences with High Distinction in the Curriculum RONALD EUGENE WALES, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum John Francis Winkelmann KENNETH ERVIN WOLF, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum DEAN JOHN ZURKAMMER

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NORMAN MARVIN EDELSTEIN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
ADRIAN SAMUEL FOX, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
EDWIN CARL FRIEDRICH, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

John Kenneth Garland, Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum
Paul David Joiner, Honors in Liberal
Arts and Sciences
Joon Taek Kwon
Alice Nancy Mayer, Honors in
Liberal Arts and Sciences with
Highest Distinction in the
Curriculum
Daniel Anthony Netzel

WILLIAM ANDERS NILSSON, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum Kent Arthur Orlandini Raymond Paul Ratay Claris Deane Roth, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum Audrey Elizabeth Veazie, Honors in Liberal Arts and Sciences with Highest Distinction in the

Curriculum

EUGENE DAVID VESSEL
ROBERT EUGENE WALL, Honors in
Liberal Arts and Sciences with
Highest Distinction in the
Curriculum
GEORGE ANTHONY WARD
PAUL FRANKLIN WELLER, Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum

ALICE KELLOGG WIERSEMA, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

# In Liberal Arts and Sciences

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GLENN ORAN FULK PHYLLIS LORRAINE GADDIS William Putnam Gaffield, Jr. JAY OWEN GALLAGHER JOHN ROBERT GARINO Douglas Richard Geringer HARVEY WILLIAM GLASSER, Honors in Liberal Arts and Sciences JACK STEPHEN GOLDEN ROGER ANTHONY GORSKI, Honors in Liberal Arts and Sciences with Highest Distinction in Physiology CHARLES EDWARD HAGE LEE ROY HALBECK DEMETRIOS GEORGE HALKIAS ROBERT ARTHUR HARRIS John Haruch Robert Joel Heller NANCY HORVATH, Honors in Liberal Arts and Sciences with Distinction in Zoology James Roy Howard Louis FitzHenry James, Honors in Liberal Arts and Sciences with Distinction in Zoology GERALD FRANK JOHNSON, Honors in Liberal Arts and Sciences LEONID GEORGE KAMENETSKI CAROLYN CELENA KAY ROBERT LESTER KELLOGG Katsuto Kojiro, Honors in Liberal Arts and Sciences Wayne Harry Konetzki KENNETH EDWARD KOPECKY PAUL MAXWELL KRASNO, Honors in Liberal Arts and Sciences with Distinction in Physics ROBERT WILLIAM KRAVETS JAMES RONALD LACCABUE, JR. Doris Kay Lapp, Honors in Liberal Arts and Sciences GERALD LASIN, Honors in Liberal Arts and Sciences Robert Lee Lassen DENNIS CHARLES LUEDKE ABDEL KAREM MOHD MANSOUR WILLIAM HOMER McKAIN, JR.

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PAUL LENARD SLUSSER THOMAS ROBERT SODERSTROM, HODORS in Liberal Arts and Sciences with High Distinction in Botany NEAL ARTHUR SPERO BRUCE EDWIN STEBBINGS ROLAND JOHN MARTIN STEMMLER KENNETH ALLEN STONE JOHN EVERETT STROUT Irena Maria Suszko Joseph Kohei Suzuki EARL RUDOLPH SWETT, JR. Marcia Isabel Taylor JAMES SHAW TERWILLIGER RICHARD PETER THIEL DENNIS PETERS THOMPSON, Honors in Liberal Arts and Sciences with Highest Distinction in Zoology WILLIAM BRONSON TODD JACQUELINE SMITH TRIMBLE RALPH TROLL, Honors in Liberal Arts and Sciences with Distinction in Zoology MITCHELL JOESEPH TRUBITT, Honors in Liberal Arts and Sciences Noel Keith Volberding Ben Frank Vondrak ARTHUR WACHOWSKI ELAINE FAY WEGENER, Honors in Liberal Arts and Sciences HOWARD JEROME WEINBERG, Honors in Liberal Arts and Sciences HOWARD EARL WHEAT DONALD HERBERT WILLIAMS, Honors in Liberal Arts and Sciences William Walker Williams Harold Donald Wong WILLIAM DIETERICH WOOD CHARLES JOSEPH WYNE John Reinard Yaeger

In Physics

JAMES ORLAN BALLANCE

MARVIN GENE SHERRILL

WILLIAM LEWIS SILVERMAN

# In Speech Correction

Sondra R. Carnow, Honors in Liberal Arts and Sciences Carol Elizabeth Doering Diane Katsinas Ginny Wren Moore, Honors in Liberal Arts and Sciences Eleanor Popovsky Jacquelyn Eloise Pruitt

VETA REIZNER
MARIE NICHOLAS SARRIS
CAROLYN ANN SCHULTZ
CAROLYN JOAN SMITH, Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum
DIANTHA KAY SPIRES

BURTON ALLEN ZABIN

In the Teaching of the Biological Sciences and General Science

BLANCHE HELEN BENISEK, Honors in Liberal Arts and Sciences with Distinction in the Curriculum SUSAN BLACK, Honors in Liberal Arts and Sciences with Distinction in the Curriculum PATRICIA JOAN BROTHERS, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum RALPH MILTON EISEMAN JACQUELIN JANE LUCE CHARLES PHILIP McCabe, Jr., Honors in Liberal Arts and Sciences with Distinction in the Curriculum VIRGINIA LOUISE McCormick WAYNE ROBERT ROTHERMEL WILLIAM JOHN SCHAUMANN, JR. GRETCHEN MARIE SCHWAGER, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

JEAN COLLETTE STACY
PAUL VERN THISTLETHWAITE, Honors
in Liberal Arts and Sciences with
High Distinction in the Curriculum
BETTY JANE WENZ

# In the Teaching of Chemistry

DOROTHY AKIKO KATO

JOHN STEPHEN KEMP, Honors in Liberal Arts and Sciences

# In the Teaching of Mathematics

SHIRLEY MAY BERFIELD, Honors in
Liberal Arts and Sciences with
High Distinction in the Curriculum
GAIL JEAN HIVELY, Honors in Liberal
Arts and Sciences
SANDRA KAY HOFFMAN, Honors in
Liberal Arts and Sciences with
Highest Distinction in the
Curriculum

Lois Marie Lackner, Honors in
Liberal Arts and Sciences with
Highest Distinction in the
Curriculum
JOYCE CAROLYN TOTTEN, Honors in
Liberal Arts and Sciences with
High Distinction in the Curriculum

#### COLLEGE OF LAW

# Degree of Bachelor of Laws

Frank Hedrick Allen, Jr., B.S., West Virginia University, 1952
PEGGY SUE ANDERSON, A.B., 1955
THOMAS EVERETT ATCHISON, B.S., 1956
EDWARD FRED BAREIS, JR.
GEORGE BRITT BARR, B.S., 1955
VINCENT GEORGE BITTNER, A.B. (Government), A.B. (Psychology), Indiana University, 1951, 1954 William Edward Black, A.B., 1956 REX LELAND Brown, B.S., Illinois State Normal University, 1954 KENNETH EUGENE CRITSER, A.B., Knox College, 1954 GORDON FORREST DEHART MARVIN DALE DUNN, B.S., 1954 NORMAN EDELSTEIN, B.S., 1954 NORMAN EDELSTEIN, B.S., 1954
JOSEPH CASEY FITZGERALD, A.B., 1955
CHARLES NELSON HAMMOND, A.B., Yale College, 1952
WAYNE LOUIS HANOLD, B.S., Southern Illinois University, 1954
STEPHEN VAN HILL, B.S., 1955
RICHARD ARTHUR HOLLIS, A.B., 1955 Kenneth Sherman Jacobs, Jr., A.B., 1953 RONALD LEE KEYSER Donald Marshall Lasser, A.B., 1954 JACK LEAVITT, B.A., Brooklyn College, 1951 IVAN LEROY LOOKER, B.S., Millikin University, 1952 ROBERT LESLIE MARBEN, B.S., United States Military Academy, 1945; M.S., 1950 JAMES LOUIS MARTIN, B.S., 1953 ALISTER DAVIDSON McALISTER, A.B., Greenville College, 1951 JOHN SIMMEN McCORMAC, B.S., Trinity University, 1953 Reis Mitchel ROBERT WILLIAM OHLSEN, B.S., Bradley University, 1953 NORMAN JOSEPH OSHERMAN, A.B., 1953 CHARLES LEE PALMER, A.B., 1953 KENNETH DALE PALMER, A.B., 1955; Honors John Thomas Pierce, A.B., 1952 PAUL EDWARD PRESNEY, A.B., 1955

David Rarick, A.B., 1954
George William Richards, A.B., 1955
William Alva Suter, A.B., 1955
Thomas Franklin Taylor, B.S., 1955
Harold Frank Tenney, B.S., 1956; High Honors
Merrill Sanford Thompson, A.B., 1956; Honors
Robert John Waaler
Richard Edgar White
Robert Morgan White, B.S., 1955
Almon Brooks Wilder, Jr., A.B., Harvard College, 1950; Honors
Richard Runion Wilder, Jr., B.S., Indiana University, 1952
Warren Delano Wolfson, B.S., 1955
Clarke Woodruff, B.S., 1955

## COLLEGE OF EDUCATION

# Degree of Bachelor of Science

In Education

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TED HARRIS MITCHELL
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# COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

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WILLIAM SAMUEL LOMONACO George John Lueken THOMAS LOUIS MACMILLAN LEO MALANTIS EDWARD LOUIS MATYUS Akira Ike Mayeda RICHARD WALLACE McCaw Joseph John McCook ROBERT MILLER ROBERT I. MILLER GARY JOE MONTGOMERY DENNIS TODD MOORE Paul John Mozola, Jr. LARRY EDWARD MUELLER ROBERT LEONARD NEVIN THOMAS NEIL PATERSON ROBERT ALVA PEACOCK Charles Joseph Pfeiffer Joseph Warren Phillips, Jr. JOHN DONNELLY PORTER THOMAS CLIFFORD POTTER Joseph Louis Relle RICHARD JOHN RING George Arthur Roberts MARSHALL EARL RODIN, Honors GEORGE MARCEL SCHIMMEL CHARLES ROBERT SEXTON EDWARD ROBERT SIROVY MORTON SKOLNIK CAROLYN JEAN SMITH ZYGMUNT KONRAD SOKOLNICKI ROBERT LARSON SOLOMON NICK WILLIAM STAMOS PAUL LAWRENCE STEINBERG THOMAS HARRY STERN EARL JOSEPH SULLIVAN FRED CHARLES TAIT, JR. PAUL GARY TEMPLER JOSEPH EDWARD VANISKO HUGH EDWARD VAN VOORST ARNOLD ERWIN VIDIS THOMAS MORLAND WHISTON DEAN ELTON WILLMANN RICHARD CARL WITTENBERG ELLIOTT ZIDELL DANIEL ZIGICH NORMAN EDWARD ZIMMERMAN CHARLES MILTON ZIPPRODT

# In Secretarial Training

GAYLE MAXINE GUNDLACH ANDREA MARGARET HANSEN BETTY NORENE McCullough June Edith Tracey

## In Urban Land Economics

RICHARD PHILLIP HOFFMAN SHELDON RUBIN

George Robert Stevens

# SCHOOL OF JOURNALISM AND COMMUNICATIONS

# Degree of Bachelor of Science

In Journalism

DIANNE RUTH ALBERT RICHARD ELLIOT ANDERSON NANCY HENDRIX BAHNKS KARNA MARIE BLOOMBERG MARILYN GERTRUDE BOEHME MARGOT LOUISE BOLTON MARGARET SUE BOSWELL WALTER SULLARDS BROWNING, JR. JAMES CONRAD BUDD Kenneth Allan Buel BETTY ANN BUNTE NANCY ANITA BUTLER JOEL MILES CARLINS Joan Marie Cattaneo GERALDINE MARIE CELUSNAK JOHN STEWART COLEMAN GEORGE MELBOURNE DEPEW, JR. LAWRENCE EDWARD DOHERTY NANCY ANNE DOWLING, Honors NANCY LEE DUFOUR LAWRENCE EDWARDS GORDON NORDAU EMANUEL SUZANNE CHARLOTTE EOVALDI MARY JANE EVERSOLE MARYLEE GRAY FLETCHER, Honors ROBERT LEWIS FOUCHARD IOHN LAURENCE FRERK IAMES FRIEDMAN Frederick Franklin Frye BRUCE HALE GALLER JAMES CHARLES GIGER, Honors Marjorie Ann Greenwood Walter Monroe Hoel, Jr. FRANCIS EUGENE HOLLAND Sidney James Hormell John Christopher Ihrig Yujoo Lee Ito GEORGE BERNARD JANAVICE JANENE LOUISE JOHNSON MILDRED GEORGE JOHNSON

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## COLLEGE OF FINE AND APPLIED ARTS

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ROBERT RICHARD BACHMANN, HONOIS ARLENE LOIS BAROV JERRY DEE BURNAM JACK LYNN FOGEL, HONOIS BARBARA ROHDY GOVE JANE ANN HARRIS LARRY JACOB MARTHALER WAYNE ARTHUR MARTHALER ELSIE LOUISE PATTERSON
DORALEE CAROLYN PEARLMAN
JOYCE LEE RIEGER
NANCY JEAN SCHAEFER
SUZANNE JUNE SCHULMAN
JOHN ROBERT SCHUSTER
ELIZABETH ALICE THOMAS
MERLE GILBERT WILLMANN

# DIVISION OF SPECIAL SERVICES FOR WAR VETERANS

# Degree of Bachelor of Science

JOHN RICHARD ALBERT
FREDERIC FRANCIS ALONGI
ROBERT JOHN AMIDON
DALE LEWIS ARCHIBALD
HOWARD JAMES BANNEN, JR.
JOHN JOSEPH BARTON
THOMAS GERALD BOLEN
GEORGE JOSEPH BOYLE
ROGERS FREDERICK BRACKMANN
JOHN COLUMBUS BROWN, JR.
JAMES RICHARD BUESCHER

HENRY BURKLE, HONOIS
WILLIAM LAW CAMPBELL
LAWRENCE JEROME CASHEN
GERALD JAMES CASHMAN, HONOIS
JOHN JAY COLLINS
ROBERT HARRY CRISPIN, Highest
HONOIS IN ECONOMICS
MELVIN WILLARD DONAHO
GEORGE ALFRED EICHLER
PHIL STUART ENSOR
JAMES MALCOLM ERFFT

THEODORE WILLIAM ESTELL LAWRENCE WILLIAM FEIL, JR., Honors CHARLES FRANCIS FINN Robert Anthony Flynn GERALD PHILLIP GINSBURG CHARLES DONALD GUSTAFSON CARL SAUNDERS HAMPTON JAMES LOVETT HARPER Donald Ward Hart KENNETH HERMAN GROVER FLEMING HERRING PAUL DEAN HOPSON CARL HERBERT HUMPHREY BERNIE ALBERT ILG CHARLES HARRY INGLETT AAGE ROBERT JOHNSEN, Honors BART JOHN KANE, JR. BEVERLY ANN KOEHLER ROBERT ANTHONY KOLARICH WILLIAM MICHAEL KRUSHING Virgil William Kuns LAWRENCE TILFORD LARSON, Highest Honors in Geology DAVID WILLIAM LAWRENCE RICHARD JAMES MACKEY, HODOTS

FREDERICK DANIEL MALLACE RICHARD FREDERICK MAST Ara Mike Minasian HAROLD WARREN MOORE

David John Myers EDWARD RAY NASSER EMMERSON KIRKPATRICK NORMAN CLEMENT Poulos OTHMAR LEONARD RAEBER Lyle G. Rasicot Eugene Matthew Reicherts PETER WENTWORTH RICHARDSON John Matkin Richart Joseph Shultz Roemer Alan John Rost, Jr. James William Rufenacht Norman Lewis Sawyer Donald Joseph Schell Donald Robert Schellie John Schrik William Joseph Smith James Wade Sullivan RICHARD LOUIS SYLANDER ORRIN R. TATCHIO DENNIS KENT TUCKER ARTHUR ROGER TUTTLE John Henry Van Keulen Joseph Wilfred Wenzel JOHN WESSELHOFF CHARLES RICHARD WHEELER Eldon Lee Whiteside GARY MAXWELL WITTERS PETER DRAGI ZIVKOVIC

#### COLLEGE OF VETERINARY MEDICINE

# Degree of Bachelor of Science

In Veterinary Medicine

DALE MILTON BENNETT DWIGHT GRANVILLE BENNETT, JR. ROBERT STEVENS BLAKELY Marion David Bliler William Edward Britz, Jr. GLEN DAVID CALHOUN MELVIN GEORGE DEWEY MAYNARD OSCAR ENGSTROM ROBERT EARL FETZNER Donald Louis Houston JERALD WAYNE KLECKLER ROGER ANTHONY LITZ ROBERT MARVIN MACK

HAROLD GLEN MEINER BERYL DAVID MELL JACK DORNER NOYES Robert Allen Price JACKIE RAY REXROAD, High Honors DANIEL WILLIAM SCHAMPER RUSSELL LEE SCHNEPPER JAMES VICTOR SCOTT Donald Lee Singletary ROBERT GENE WILLIAMS ROBERT JUSTIN YOUNG PHILIP ZAND Wesley Jay Zehr

# Degree of Doctor of Veterinary Medicine

LEROY ABRAHAM BENTON CHARLES ALLEN, JR. Paul William Arndt Ira John Aves, Jr., Honors Jack Carleton Boer LAWRENCE GILBERT CLARK VERNON LEE COCKERILL RICHARD DONALD COSTER JOHN ALFRED GERDES ROBERT CHARLES GRAHAM, HONOIS JASON ELLIOTT JAMES

STANLEY CHESTER KADLUB STEPHEN EUGENE McQUILKIN JOE DEAN MELLER DELWYN VIVIAN MEYER JAMES RICHARD MEYER, High Honors WALTER DAVID MUMME WALTER LOY MYERS Eugene Herman Nelson Neal Stanley Nelson Delano Lee Onaver, Honors JOAN MARIE OWENS

JOHN BOWEN PALENSKE
WILLIAM DARREL POWELL
EDWIN WALBAUM SHORT
MARSHALL VAN SLINGERLAND
ERWIN SMALL
PETER HENRY SMITH

LOIS STANSBURY
JERRY RAY STEFFEN
ARNOLD CRAIG TAFT, Honors
GALE DEAN TAYLOR
RALPH ALBERT VINSON, JR.

# Degrees Conferred at Chicago

## GRADUATE COLLEGE

# Degree of Doctor of Philosophy

In Bacteriology

PETER BARAM, B.S., M.S., 1949, 1952

In Pharmaceutical Chemistry

MITCHELL LOUIS BORKE, B.S., M.S., 1951, 1953 JOSEPH GERALD CANNON, B.S., M.S., 1951, 1953 KENNETH JEROME LISKA, B.S., M.S., 1951, 1953

In Pharmacognosy

LEO JAMES SCHERMEISTER, B.S., M.S., 1947, 1950

In Physiology

HAROLD GOLDMAN, Ph.B., M.S., University of Chicago, 1948, 1953

# Degree of Master of Science

In Bacteriology

CARLOS BOYD BUMZAHEM, B.S., 1955 BETTY ROSS CONNER, B.S., Northwestern University, 1953 SYLVIA KING, B.S., 1946 JOHN WILLARD RIPPON, JR., B.S., University of Toledo, 1953

In Biological Chemistry

HAROLD ARNOFF, B.S., 1953 GLADYS GOLD KRAKOW, B.S., Roosevelt University, 1952 ALICIA FORNIAS TORRALBA, B.S., University of Santo Tomas (Philippines), 1947

In Histology

MICHEL MEYER SERFATY, D.D.S., University of Paris (France), 1945

In Oral Pathology

ALVIN FREDERICK GARDNER, D.D.S., Emory University, 1943 MARJORIE HOUSTON, D.M.D., Tufts College, 1951; B.S., Howard College, 1953

In Orthodontics

Bernard Joseph Schneider, B.S., D.D.S., 1952, 1954 Sam F. Wallis, B.S., D.D.S., 1951, 1953

In Pathology

ALBERTO BESTETTI, M.D., University of Milan (Italy), 1950 Lyle Moses, B.S., 1955

In Pedodontics

DAVID SOLOMON BERMAN, B.D.S., University of London (England), 1954 OSAMU MIYAMOTO, D.D.S., Howard University, 1954

In Pharmaceutical Chemistry

ALVIN MARX GALINSKY, B.S., 1954

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# In Pharmacology

Alexander Herbert Friedman, A.B., New York University, 1948 Henry Abraham Gould, B.S., 1954 George Matthew Keranen, Jr., A.B., B.S., M.D., 1953, 1954, 1957 Gerald Alan Kien, B.S., 1955

LAWRENCE D. SMITH, B.S., 1954

In Pharmacy

In Physiology

BURTON ROBERT ANDERSEN, B.S., 1955 LEONARD ALBERT GRAHAM, B.S., Ohio State University, 1950

# In Surgery

DAVID MILLAR BELL, B.M., University of Belfast (Ireland), 1945 ROBERT JOHN OVERSTREET, B.S., M.D., University of Oklahoma, 1949, 1953

# COLLEGE OF DENTISTRY

# Degree of Bachelor of Science in Dentistry

EUGENE ELLISON AIKMAN, B.S., Eastern Illinois State College, 1954 ROBERT FOSTER ANDERSON, A.B., Augustana College, 1951 HENRY BAER ERWIN PHILLIP BARRINGTON ALFRED BASS BIRUTA BERZINS ROBERT LAVERNE BRADBURY EDWARD BRENNER, B.S., Roosevelt University, 1955 JAMES LOWELL BUCKNER ROBERT JOSEPH CHALLENGER ARNOLD CLEVS BERNARD MARION COLE JAMES FREDERIC CRAMER JAMES EDWARD DONLAN William George Dracos LEONARD EVANSON LEONARD IRWIN FISCHBACH ROBERT JOSEPH FLAMER
CYRIL LEO FRIEND, JR.
WILLIAM EDWARD FRYMIRE, B.S., 1955 WAYNE MERRILL GILMORE, A.B., Beloit College, 1955 ARNOLD GOLDSTEIN, B.S., 1955 JOSEPH WILLIAM GRUBER, JR. JAMES EDWARD HAGE Larry Sherwood Hockman JOHN OSCAR HUDGINS, JR., A.B., Southern Illinois University, 1955 MILTON JACK ISAACS BARRY ALLAN JANOV

GUNTHER JULIUS KAZALLA, A.B., 1951 EARL WALTER KETCHUM MORTON KREITZMAN ROBERT LEE LARSEN, A.B., Augustana College, 1955 IRVING JEROME LEONARD WILLIAM HERMAN LINDENBERG RICHARD JOSEPH MACRI, A.B., Union College, 1954 GERALD DONALD MAGNES DONALD EUGENE ORE Warren Eugene Petty JOHN DARREL RIEDLINGER CANNUTTE NEWTON RUSSELL, Millikin University, 1952; M.S., NIJOLE APOLLONIA SALKAUSKAS MELVIN PAUL SERED, A.B., Roosevelt University, 1954 LEE BRIAN SILVERGLADE CLAUDE IRVIN SIME, JR. WILLIAM LLOYD SMITH Joseph John Stachniak, B.S., 1953 Arnold Felix Sufalko PAUL RAY SWAYNE, A.B., Wabash College, 1954 LEONARD TEICHER LAWRENCE EDWARD TINDER IRWIN ALLEN WEINSTEIN
JOHN ORVILLE WELLS, A.B., Park College, 1955 Roger Ray Wolf

# Degree of Doctor of Dental Surgery

RICHARD ROLAND ANDREWS, B.S., 1956 JOHN MORLEY ARMSTRONG, A.B., University of Iowa, 1950; B.S., 1955 NEAL L. BAIGH DONALD LEE BROWN, B.S., 1955 GILBERT RAY CALLAHAN, B.S., 1955 JAMES MALCOLM CATLIN, B.S., 1955

ROBERT EDWARD CROSS, B.S., 1956
GERARD ROBERT DALY, B.S., 1955
THOMAS REED DIRKSEN, B.S., Bradley
University, 1953
JAMES EDWARD DONLAN
NORMAN CARL EIFLER, B.S., 1955
HIROMU LIONEL FURUKAWA, B.S., 1955

ARTHUR MARVIN GENSIOR, B.S., 1953, 1955; with Honors Lyle John Fraser Gray, B.D.Sc., University of Melbourne (Australia), CHARLES GROSS, B.S., 1955 ALBERT JOSEPH GRUBBA, B.S., Loyola University, 1953 RICHARD IRWIN GUNTHER, B.S., 1953, Masaro Harada, B.S., 1950, 1956 JAMES RONALD HAVERA, B.S., 1955; with High Honors JOHN PEIRCE HOWLAND, B.S., 1955 JOSEPH JACOBS, B.S., 1953, 1955 GERALD JAFFE, B.S., 1953, 1955 DONALD PAUL JELINEK, B.S., 1955 RONALD DAVID KINDELSPERGER Joseph C. Konieczny, B.S., 1955 Edward Joseph Kozak, B.S., 1955 JOSEPH MOZAK, B.S., 1955 SIGURDS OTTO KROLLS, B.S., 1955 JACK KROTENBERG, B.S., 1955 GENE ALVIN LAWVER, B.S., 1955 HOWARD BRUCE LIEBMAN, B.S., 1953, 1955 ALFRED NEIMY ROBERT C. NICHOLLS, B.S., Lawrence College, 1950

Gerald Martin Noskin, B.S., 1955 Henry Donald Peterson, A.B., Miami University, 1953; B.S., 1955 Wilbur Poindexter Pettitt, Jr., B.S.,
West Virginia State College, 1951;
B.S., 1955
James Earl Phelps, Jr., A.B., Grinnell
College, 1953; B.S., 1955
Gerald Wayne Popper, B.S., 1955
James Allan Ralph, B.S., 1955
Cannutte Newton Russell, A.B.,
Millikin University, 1952; M.S.,
1953
James Theodore Saari, B.S., 1955
Marvin B. Schumer, B.S., 1955
Marvin B. Schumer, B.S., 1955
Sheldon Marvin Sharfman, B.S., 1956
Theodore Gregory Strenski
Howard Donald Sutcher, B.S., 1955
Edmund Yee Sing Tong, B.S., 1955
Leo Trusewitsch
Vincent Edward Urbanek, B.S., A.M.,
Northwestern University, 1951, 1952
Carl Stanley Venkus, B.S., 1955
William Uri Wax, B.S., 1955

Franklin Scott Weine, B.S., 1955 Gerald David Williams, B.S., 1955 Maurice A. A. Zalcman, B.S., 1955 Eugene A. Zawlocki, B.S., Arizona State College, 1952 Richard Lee Zimmers, B.S., 1955; with Honors

# COLLEGE OF MEDICINE

#### Degree of Bachelor of Science in Medicine

CARL HAROLD ANDERSON, B.S., Elmhurst College, 1953 George Donald Aurand, A.B., Lake Forest College, 1955 William Edgar Bailey John Stark Barker ROBERT FORREST BARNES Ronald Julius Beck John Lowell Bender Leonard Berlin JOHN DONALD BEST GORDON RICHARD BLOOMBERG, A.B., 1955 Peter Albertus Boelens Robert Leo Bonus DAVID CHARLES BOYCE, A.B., Southern Illinois University, 1955 JAMES THEODORE BROWN, JR., B.S., Lawrence College, 1954 JOHN ANTHONY CABALA WILLIAM ALLAN CARO BENNIE F. CARPENTER Frank Cavallaro, B.S., Elmhurst College, 1955 William Francis Cavender, B.S., 1955 Jack Lamont Chitty James Gordon Conger Joseph Jay Crittenden, A.B., Wabash College, 1955

JIMMY LYLE CROUSE, A.B., Southern Illinois Unviersity, 1952 ARNOLD DALE CURNYN, B.S., Notre Dame University, 1955 RONALD ALLAN DEMOVSKY Ronald Lee DeWald Paul Homer Duffey, A.B., 1956 RICHARD CRANE DURLAND JAY DAVID ELLENBY JAMES PHILIP ELMES, A.B., Bradley University, 1954 Joseph Leo Emmerich ROBERT BERNARD EPSTEIN James Elwood Eshenaur, A.B., Iowa Wesleyan University, 1952; B.D., Northern Baptist Theological Seminary, 1955 Mel Warren Feinberg Max Frederick Finkel Donald Jay Fishman Ronald Sherwin Fishman LEO LESLIE FITZGERALD, JR., B.S., 1956 ROBERT ANDREW FLINN ERNEST WILBUR FORDHAM, B.S., 1955 MICHAEL IRA FRANK JEROME FRANKEL, B.S., 1950; A.M., Lovola University, 1952 HARVEY MARTIN FREED

ALBERT C. FREMONT JOSEPH C. FREMONT TED HOWARD GABRIELSEN, A.B., Asbury College, 1955 EUGENE JACK GOLDMAN Barry Arnold Goldsmith Bernard Gordon Everett Paul Grahn, A.B., 1954 Burton Green Joseph Lee Gulick Donald Hord Gustafson, A.B., Augustana College, 1954 WILLIAM McCLELLAN HAMBY, A.B., 1955 DAVID RAY HAMILTON RICHARD THEODORE HARELIK JAMES SUTTON HASTIE John Gilbert Heiken John Lynn Hill David Welty Hockman, A.B., Carthage College, 1955 ROGER ALLEN HOEKSTRA, A.B., Calvin College, 1955 Gerald Keith Hoffman, A.B., Lake Forest College, 1951; M.S., University of Wisconsin, 1953 Martin Hoffman JEROME BASIL JACOBSON ROBERT DOVE JENKINS DAVID CYRIL KAY, B.S., Wheaton College, 1954 LARRY MORTON KEER Donn William Ketcham RONALD GARY KITE BETTY JANE KLAHR Howard Joel Klapman, A.B., 1954 Alfred Julian Kobak, Jr. RONALD VINCENT KOWALSKI William James Kramer DAVID WALLACE KRANS CHARLES SHERWIN LANE John Merton Larson, A.B., 1956 ROBERT JOEL LEE GERALD SANFORD LEEF William Paul Lesko, A.B., Blackburn College, 1952 HOWARD IRVING LOPATA LEE ALVIN MALMED Albert Schultais Maurer PATRICK MALACHY McGuigan, Jr. ARMIN DANIEL MEYER, B.S., Élmhurst College, 1954 John Manierre Mills, A.B., 1955 SHERWIN MARTIN MINKOFF LAWRENCE MATTHEW MLECKO CLARK ALLAN MONTGOMERY, A.B., 1954 DAVID CLIFFORD NADEN Rollo Jay Nesset, B.S., 1955 GEORGE MICHAEL NICKAS, A.B., De-Pauw University, 1955 Warren Russell Nickerson, A.B., 1955

RICHARD GEORGE NORENBERG, North Central College, 1955 VICTOR LOUIS OBERHEU, A.B., Southern Illinois University, 1954 Robert Ottus Pasnau Charles Hatch Patton, A.B., University of Michigan, 1955 Don Cary Pearson Thomas Louis Peyla RICHARD LEE PHILLIPS James Bernard Pinski, A.B., 1955 JOHN ROGER POWELL John Italo Pretto Roger Dale Quinn RUTH EUNETTA RECKREY WILLIAM DEWITT ROBINSON, B.S., Washington University, 1951 DAVID ANTHONY ROTHSTEIN Wilbur Francis Rowley HAROLD LEONARD SAFERSTEIN, A.B., 1954 LARRY DAVID SAMUELS, A.B., Blackburn College, 1955 Richard Joseph Sassetti Edward William Schauerte Bernard Schencker STEPHEN EDWARD SCHUBERT CHARLES EDWARD SEIBERT BERNARD ROBERT SERED ROBERT HAROLD SEWELL, A.B., 1956 LESLIE BERNARD SHANOFF NORMAN I. SHAPIRO, A.B., M.S., 1954, 1955 CHARLES LAMAR SHEAN, JR., A.B., 1953 MILFORD PAUL SHUMAN GERALD ELLIS SILVERSTEIN RUSSELL YATES SNOW, A.B., Southern Illinois University, 1955 ALEX EDWARD SOLIK ALAN MORTON STEEN, B.S., 1949 HARRY HART STEPHENS, JR., A.B., Earlham College, 1955 Murton Donald Strimling Donald Frederick Summers HAROLD MARVIN SWARTZ RICHARD PAUL TAYLOR ROBERT JOHN THURNBLAD LEONARD FRANKLIN TODD, JR. JAMES RODELL TOSETTI, A.B., Southern Illinois University, 1955 JORDAN HERMAN TRAFIMOW EUGENE PIERITZ TRAGER, B.S., 1954 RICHARD CHARLES TURBIN, A.B., University of Chicago, 1952 MARVIN TURCK Conrad Joseph Urban JOSEPH PAUL VELEK, JR., B.S., Northern Illinois State College, 1955 Lee Osman Vida RICHARD ANTHONY WAHL, B.S., St. Louis University, 1955

EARL EDWIN WALKER
DON HOWARD WASSERMAN
WALTER WILLIAM WHISLER, JR., A.B.,
Augustana College, 1955

GUIDO PAUL WILHELM, A.B., Washington University, 1955
JOAN MARGARET WINANDY
EDWARD THEODORE ZUKOWSKI

# Degree of Bachelor of Science in Occupational Therapy

JOYCE BESS ARMSWORTH
SHIRLEY ANN EPSTEIN
ROBERTA GRACE HOEGNER
DOROTHY JUNE HOOKS, with Honors
KAY BERTON HUDGENS
MARILYN VIRGINIA KRUEGER
ROSALIND LEVY

JANET CHIYOKO NAKAMURA
BERNICE LUKINSKY NOVICK
WINIFRED ELEANOR PHILLIPS
JO ANN STORK
LILLIAN BREMER TORRANCE
SIRELLA SCHWARTZ TRESSER, with
HONORS

# Degree of Doctor of Medicine

Frank Eugene Adrian, A.B., Millikin University, 1953 BURTON ROBERT ANDERSEN, B.S., 1955 ALAN WIESE ANDERSON, B.S., 1955 CARL HAROLD ANDERSON, B.S., Elmhurst College, 1953 RICHARD WAYNE ANDERSON, B.S., 1955 PHILIP WILLIAM ANDREWS, A.B., Millikin University, 1953; B.S., 1955 GLEN HENRY ASSELMEIER, A.B., Southern Illinois University, 1951; B.S., 1955 ROGER THERON ATTERBERRY, A.B., Lake Forest College, 1953; B.S., 1956 WARREN COULTAS BARROW, B.S., University of Georgia, 1952; B.S., 1955 RALPH EDMUND BECK, A.B., B.S., 1954, 1955 Frank Otto Becker, B.S., 1956 RICHARD HERBERT BENEDIX, B.S., 1951, 1956; M.S., 1952 Stanton S. Berman RICHARD IRWIN BERNSTEIN, B.S., 1955 RICHARD WILLIAM BIEK, A.B., University of Dubuque, 1953; B.S., 1955 REINHARDT HENRY BODENBENDER, B.S., 1955; with Honors DAVID JAMES BONE, B.S., 1955
CARROLL FRANKLIN BOYLES, B.S., 1955
ROBERT USHER BREGMAN, B.S., Northwestern University, 1952; B.S., 1956
STUART IRWIN BROWN, B.S., 1955
DANUTA URSULA BUZDYGAN, B.S., 1956
WILLIAM FRANCES CANT WILBUR FRANCIS CANT, A.B., St. Ambrose College, 1953; B.S., 1955 George Henry Conner, A.B., Lake Forest College, 1953; B.S., 1955 Lyle Joseph Cowan, B.S., 1955 Richard Arnold Crosse, B.S., 1955 Abella Ann Cunningham, B.S., 1955 EDWARD ADOLPH DAINKO, B.S., 1955
HARVEY DEBOFSKY, B.S., Roosevelt
University, 1953; B.S., 1955
ELON DEBOIS, B.Ed., Illinois State
Normal University 1968 Normal University, 1943; B.S., 1956

WILLIS NORMAN DICKENS, B.S., Purdue University, 1952 John Kendall Dickinson, A.B., Cornell College, 1953; B.S., 1955 RICHARD HARRY DOLAN, B.S., 1955 MARIAN DAWN DURST, A.B., Valparaiso University, 1954; B.S., 1955 ROBERT EARL ECKLUND, B.S., Wheaton College, 1953; B.S., 1955 MACEO RUSSELL ELLISON, B.S., 1955 ELDON LEROY EVANS, B.S., 1955 MILTON LEONARD FORT, B.S., 1955 JEROME FRANKEL, B.S., 1950; A.M., Loyola University, 1952 Marvin Freedman, B.S., 1955; with Honors Albert C. Fremont CHARLES WALLACE FRYE, A.B., Millikin University, 1951; B.S., M.S., 1955, Donald Theodore Fullerton, Ir., B.S., 1955 Stanley G. Garner, B.S., 1955 MELVYN LOWELL GOLDSMITH, B.S., 1953. 1955 WARNER HILMER GUSTAVSON, B.S., 1955 JEROME JAY HAHN, A.B., B.S., 1954, THOMAS JOHN HALAMA, B.S., 1955 IRWIN HARRIS, B.S., Roosevelt University, 1952; B.S., 1955 JEROME MARSHALL HERSHMAN, B.S., Northwestern University, 1952; B.S., 1955; M.S., California Institute of Technology, 1954 ROBERT DONALD HERTENSTEIN, B.S., Bradley University, 1954; B.S., RICHARD LESLIE HOLMES, B.S., Northern Illinois State College, 1953; B.S., 1955 ROBIN REYNOLDS JOHNSTON, A.B., B.S., 1954, 1955; with Honors Robert Sylvester Kaminski, B.S., 1955 GERDA GALAMBOS KLINGBEIL, A.B., B.S., University of North Dakota, 1954, 1955 ROBERT EDWARD KLINGBEIL, B.S., North Dakota Agricultural College, 1951; B.S., University of North Dakota, 1955 RALPH EUGENE KREPS, A.B., Augustana College, 1953; B.S., 1956
WILLIAM JOSEPH KRISTY, B.S., 1955
NORMAN LASKER, B.S., Rutgers University, 1949; B.S., M.S., 1955, 1953
PHILIP EUGENE LAWLESS, B.S., 1956 HAROLD EARL LEICHENKO, B.S., Northwestern University, 1953 William Paul Lesko, A.B., Blackburn College, 1952 JESSE CLARENCE LESTER, B.S., 1955 JOEL MERWIN LEVIN, B.S., 1955 Monte Jay Levinson, B.S., 1955 CHARLES EUGENE LIVINGSTON, B.S., 1955 JAMES EDWARD MAHER, B.S., 1955 Wilbur Dean McFadden, A.B., Manchester College, 1953; B.S., 1955 WILLIAM MELTZER, B.S., 1955; with High Honors ROBERT FREDERICK MERRIMAN, B.S., ARTHUR RICHARD MILLER, B.S., 1955 CLARK ALLAN MONTGOMERY, A.B., 1954 Lyle Moses, B.S., 1955 GORDON BYRNS MULDER, A.B., Grinnell College, 1953; B.S., 1955 JOHN DANIEL MURPHY, B.S., Loras College, 1952 SHERWIN NELSON, A.B., B.S., 1954, 1955 KENNETH GEORGE NEWBY, A.B., Valparaiso University, 1953; B.S., 1955 LOUIS MORELAND NEWTON, B.S., University of Cincinnati, 1953; B.S., 1956 GLADYS LORRAINE OLSON, B.S., 1955 RUDOLPH PETER OPPENHEIMER, B.S., 1955 HARRY NICHOLAS ORES, B.S., 1955 EUGENE MARVIN OSHER, B.S., 1955 LUIS RAPHAEL OWANO, B.S., 1955; with Honors PAUL MARTIN PLUEDDEMAN, B.S., Beloit College, 1953; B.S., 1955 Stanton Gordon Polin, B.S., 1955

MARCUS AURELIUS QUINONES, JR., B.S., Bradley University, 1950; B.S., 1956 PHILANDER RICKS, JR., A.B., Lake Forest College, 1953; B.S., 1955 DONALD ALBERT RITCHIE, B.S., University of Wisconsin, 1953; B.S., 1955 PAUL ALFRED ROBERTS, B.S., 1953, 1955 DAVID ROBERT RUBIN, B.S., 1955 JAMES ANTHONY SANDROLINI, B.S., 1955 WILLIAM WINSTON SARGENT, B.S., 1955 IRVING RICHARD SAVIN, B.S., 1955 MERLE CHARLES SCHMIDT, B.S., 1955 ROBERT BOYD SEIFERT, A.B., North Central College, 1952; B.S., 1955 WILLIAM MACK SERMONTE, B.S., 1955 RONALD ALAN SHELLOW, B.S., 1955 JAMES PARKER SHOMAKER, A.B., UDIversity of Missouri, 1951 Norbert William Skaja
Solomon Sobel, B.S., 1955
Malcom Josef Sperling, B.S., 1955
Irving Starkman, B.S., Northwestern University, 1953; B.S., 1956 Sheldon Edward Stearns, B.S., 1956 Donovan Douglas Stiegel, B.S., 1956 Mory Summer, B.S., 1952, 1955 Edward Donald Sutoris, B.S., 1952, 1955; M.S., 1953 Armer Martin Swanson, A.B., B.S., M.S., 1952, 1955, 1954 Raymond Masatomo Tamura, A.B., B.S., 1954, 1955 RICHARD ANTHONY TARIZZO, B.S., 1953 ARNOLD MARSHALL TATAR, A.B., B.S., 1954, 1955; with Honors RICHARD CHARLES TURBIN, A.B., University of Chicago, 1952 KENT UELAND, A.B., Carleton College, 1953; B.S., 1956 LEE STEVENS VINCENT, A.B., Macalester College, 1953; B.S., 1956 Lyle Eugene Wacaser, A.B., B.S., 1954, 1955
PHILIP IRA WAGNER, A.B., Kalamazoo
College, 1953; B.S., 1955
ERNEST JOSEPH WHITE, A.M., University of Chicago, 1952; B.S., 1955
DARRELL BERNARD WILEY, B.S., 1954 JAMES LYNN WINDECK, B.S., 1954 NELSON AMOS WRIGHT III, A.B., Kenyon College, 1953; B.S., 1955 RAYMOND LOUIS YOCKEY, B.S., 1956

# SCHOOL OF NURSING

## Degree of Bachelor of Science in Nursing

MARILYNN ALFREDA BECKER, Cook County School of Nursing, 1956 JOAN ELAINE BIEK, B.S., University of Dubuque, 1953; with Honors

EDWARD VINCENT QUARTETTI, A.B.,

B.S., 1954, 1955

RUTH MARGARET BONTHRON, St. Luke's Hospital School of Nursing, 1949 LETITIA JANE JOHNSON BRUE, St. Luke's Hospital School of Nursing, 1957 JoAnn Eve Burk ALICE ANN CLARK, Cook County School of Nursing, 1957

PATRICIA MARILYN CLINE, Galesburg Cottage Hospital School of Nurs-

ing, 1954 SYLVIA JEAN FRISKE, St. Luke's Hospital School of Nursing, 1957 CAROL ANN GOGOLEWSKI

MARGUERITE ANN GOODENDORF, St. Luke's Hospital School of Nursing, 1957

Ing, 1957
LINDA KAREN HANSON, Michael Reese
Hospital School of Nursing, 1957
DALE LAVERN HERNDOBLER, Cook
County School of Nursing, 1957
ELIZABETH LOUISE HILDENBRAND, Pres-

byterian Hospital School of Nursing, 1957 Nora Patricia Horan, Galesburg Cot-

tage Hospital School of Nursing, 1954 VIVIAN ELSIE JACOBSEN, Minneapolis

General Hospital School of Nurs-

ing, 1952 Doris Graham Johnson, Presbyterian Hospital School of Nursing, 1956 JOAN ANN KIMMEY, Michael Reese Hospital School of Nursing, 1957 JUANITA JANE LARDIZABAL, Cook

County School of Nursing, 1956 ELEANOR JANE LARSON, Presbyterian
Hospital School of Nursing, 1956
JACQUELINE LEIGH, West Suburban
Hospital School of Nursing, 1955

RONI VARDA LEVIN

DORRIS CATHERINE LIPPERT, Welborn Memorial Baptist Hospital School of Nursing, 1952

TOYCE MARIE MARCHEK MARILYN ANN MEHLENBACHER, Luke's Hospital School of Nursing,

BARBARA VICTORIA MISIC
MARILYN DORIS NELSON, Presbyterian
Hospital School of Nursing, 1957
BETTY JANE PATE, John C. Proctor
Hospital School of Nursing, 1953 IOAN ESTHER PATTERSON, Cook County School of Nursing, 1956

RUTH LIMBRUNNER PETERSON, Presbyterian Hospital School of Nursing,

JOAN FRANCES POTTER, St. Luke's Hos-

pital School of Nursing, 1957 NANCY MARY SARGIS, Illinois Masonic Hospital School of Nursing, 1954 SANDRA BEATRICE SCRIBANO, St. Luke's Hospital School of Nursing, 1957

HILDA HELEN STENGARD, St. Luke's Hospital School of Nursing, 1945

ARCHANNETTA TATUM, Cook County School of Nursing, 1957 ANNABELLE FRANCES THOMAS, Cook County School of Nursing, 1957

LAURA MAY TRIPP, St. Luke's Hospital School of Nursing, 1957

NORMA JEAN UHRICH, Henrotin Hospital School of Nursing, 1953 EVELYN HALDEMAN WAHL, Presbyte-rian Hospital School of Nursing,

1957 Mallie Lee Williams

GRACE HEDBERG WILLS

## COLLEGE OF PHARMACY

# Degree of Bachelor of Science in Pharmacy

Joseph Vito Annunziata STANLEY KONSTANTY APOLINSKI MICHAEL JOSEPH BALSAMO Erwin Andrew Beier EUGENE LOUIS BELCZAK ROLAND MYRON BENJAMIN Allan Berg Willis John Bicket Joseph Francis Biskowski DAVID BLUMENFELD RONALD ROUBEN BOTON STEPHEN RALPH BRADEL THOMAS AUGUST BRAUN Donald John Chochola NORMAN DALE CLEGG James John Constertina, Jr. Jean Joslyn Davidson NANCY ANNE EISENBART, with High Honors

George John Fedor WILLIAM CARL FOLEY, with Honors LEONARD ROSS GROENEVELD FRANK MILES HAJEK Edward Martin Jaworski JOHN RICHARD JONES HORACE KATZ DANIEL LEROY KURBER CHRISTOPHER GERALD LAPORTE William Roy Larsen Ernest Earl LeQuatte Barbara Marie Lesak Paul Bodan LeVine HOWARD MICHAEL LEVINSON, with Honors Morris Julious Levsky WARREN FRED LINKE RICHARD JOSEPH MACKOWIAK IULIUS NATHAN MAGILL

CHARLES MARTIN MANAK JONATHAN JERROLD MANN GERALD KENNETH MASOVER EUGENE MICHAEL MCTAGUE GERALD MEDNICK NEIL MICHAEL JEROME CECIL MINTA BRUCE RICHARD NEWMAN EDWARD FRANK PATULA GERALD RIFFKIND KARL ALLEN ROSEMAN SHERWIN S. ROSENFELDT Lawrence Alvin Savitt Richard Milton Schlueter HERBERT JACK SCHWARTZ NATHAN WILLIAM SERLIN Louis Sherman

Frank Paul Slas, Jr. ALEX JOHN SLATALLA, JR., with Honors ALFRED CLARENCE SLATNER Vanda Liuda Fabijonas Sliupas SHERLANE SHARON STACH, with Honors James\_Ronald\_Stewart Fred Samuel Tanenbaum Joseph Edward Thiel Vincent Robert Torczynski RICHARD GEORGE UFER ROBERT CARL WALLER RONALD CHARLES WETHERALL DANIEL LINUS WHISTON JEROME SYLVESTER WISNER MARVIN BURTON YOUNGERMAN MARVIN ZISSMAN

## SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) graduate fellows; (3) resignations and declinations: (4) leaves of absence.

# APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ABDULIAN, DANIEL H., Research Assistant in Pharmacology (Medicine), three

months from July 1, 1957, \$400 a month (5-29-57).

Adams, Jack A., Associate Professor of Psychology (College of Liberal Arts and Sciences and Graduate College), two months from June 16, 1957, \$888.89 a month; this is in addition to his present appointment (6-10-57).

ALMY, GERALD M., Professor of Physics and Associate Head of the Department

(C), two months from June 16, 1957, \$1577.78 a month; this is in addition to his present appointment (6-7-57).

Anderson, William E., Research Assistant in the Institute of Labor and In-

dustrial Relations, two months from June 16, 1957, \$333.33 a month (6-6-57).

AUTH, LEO V., Jr., Instructor in Electrical Engineering (C), academic year beginning September 1, 1957, \$5400 (5-29-57).

Balley, Albert D., Associate Professor of Electrical Engineering (C), two

months from June 16, 1957, \$811.11 a month (6-7-57).

BALLUFFI, ROBERT W., Research Associate Professor of Physical Metallurgy (C), two months from June 16, 1957, \$755.56 a month; this is in addition

to his present appointment (6-7-57).

BARDEEN, JOHN, Professor of Physics (C), June 16-July 31, 1957, \$1500 a month; this is in addition to his present appointment (6-7-57).

BARNES, FRED P., Associate Professor of Education, ½ time in the Summer Session of 1957 and 1/2 time on the University Council on Teacher Educa-

tion, June 17-August 10, 1957, \$1688 (6-7-57).

BECKER, ROBERT A., Professor of Physics (C), two months from June 16, 1957,

\$055.56 a month; this is in addition to his present appointment (6-7-57). Beeson, William J., Research Assistant in Anthropology, one year from May I,

1957, \$5000 (5-17-57).
BERNARDINI, GILBERTO, Research Professor of Physics (C), two months from June 16, 1957, \$1255.56 a month; this is addition to his present appointment (6-7-57).

BLANKFIELD, ALAN, Research Associate in the Control Systems Laboratory (S),

May 16-August 31, 1957, \$400 a month (5-24-57).
BLOOMQUIST, KENNETH G., Assistant in Music, Summer Session of 1957, June 17-August 10, 1957, \$667 for the period, supersedes previous Summer Session appointment (6-10-57).

BOURGIN, DAVID G., Professor of Mathematics, June 16-August 31, 1957, \$1167

a month; this is in addition to his present appointment (6-3-57).

BRAUN, HOWARD J., Assistant Professor of Physical Education for Men. 1/4 time, Summer Session of 1957, June 17-August 10, 1957, \$300 for the period (6-10-57).

Brink, Irwin J., Research Associate in Chemistry, three months from June 10, 1957, \$1350 (6-7-57).
Bullock, James W., Instructor in the Institute of Aviation, two months from

June 16, 1957, \$500 a month (6-7-57).

CASELLA, RUSSELL C., Research Associate in Physics (C), June 16-August 31,

1957, \$500 a month (5-24-57). CHANG, TIEN-SUN, Assistant Professor of Theoretical and Applied Mechanics, 1/2 time, Summer Session of 1957, June 17-August 10, 1957, \$567 for the period, supersedes previous Summer Session appointment (6-3-57).

CLARK, MARLYN E., Associate Professor of Theoretical and Applied Mechanics

(C), two months from June 16, 1957, \$688.89 a month; this is in addition to his present appointment (5-24-57). CORDES, ARTHUR W., Research Assistant in Chemistry, two months from June

16, 1957, \$333.34 a month (6-6-57).

Craig, Roy R., Jr., Instructor in Theoretical and Applied Mechanics (C), ½ time, academic year beginning September 1, 1957, \$2500 (5-29-57).

Danner, Ellis, Professor of Highway Engineering (C), ¾ time, June 16-

August 31, 1957, \$700 a month; full time, September 1-15, 1957, \$566.67; this

is in addition to his present appointment (6-7-57).

Decker, Harold A., Professor of Music, on indefinite tenure beginning September I, 1957, to render service during each academic year, \$10,000 a year

(6-7-57).

Dembski, William J., Jr., Instructor in Biological Sciences (Chicago Under-Session of 1057, June 21-August 16, 1957, \$934 graduate Division), Summer Session of 1957, June 21-August 16, 1957, \$934 for the period (5-24-57).

DEMoss, RALPH D., Research Associate Professor of Bacteriology, two months from June 16, 1957, \$1666.67; this is in addition to his present appointment

DINKINES, FLORA, Assistant Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1957, 5/6 time, June 21-August 16, 1957, \$1038 for the period (5-24-57).

DOHERTY, PATRICK E., Assistant in the Bureau of Business Management, June 1-August 31, 1957, \$3660 a year\_ (6-4-57)

EASTMAN, MARCIA, Instructor in Physical Education for Women, academic year

beginning September I, 1957, \$4500 (5-29-57).

EICHBERGER, LEROY C., Research Associate in Theoretical and Applied Mechanics, 1/3 time, Summer Session of 1957, June 17-August 10, 1957, \$316 for the

period (6-3-57).

EINSWEILER, ROBERT C., Research Assistant in City Planning and Landscape

Architecture, June 16-August 31, 1957, \$1200 for the period (6-4-57). ERIKSEN, CHARLES W., Associate Professor of Psychology, one month from August 1, 1957, \$777.78; this is in addition to his present appointment

FARBER, BERNARD, Research Associate in Sociology and Anthropology and in the Institute for Research on Exceptional Children, two months from July I,

1957, \$583.33 a month (5-24-57).
FARRELL, ROGER H., Research Assistant in the Digital Computer Laboratory,

June 16-August 31, 1957, \$333.33 a month (6-6-57).
FARRINGTON, CARL C., JR., Research Assistant in the Digital Computer Labora-

tory, June 16-August 31, 1957, \$333.33 a month (6-3-57). Fekete, Joseph A., Assistant in Geography, Summer Session of 1957, June 17-August 10, 1957, \$667 for the period (6-6-57).

FENVES, STEVEN J., Instructor in Civil Engineering (C and S), academic year beginning September 1, 1957, \$5400 (5-29-57).

FLOWER, M. LORRAINE, Instructor in Physical Education for Women, academic

year beginning September I, 1957, \$5600 (5-29-57).
FOOTE, BRUCE R., Professor of Music, ½ time, Summer Session of 1957, June 17-August 10, 1957, \$945 for the period (6-10-57).

French, James L., Instructor in Mechanical Engineering (C), academic year beginning September 1, 1957, \$5000 (5-24-57).

GARDNER, FRANK T., Research Assistant in Physics (C), two months from July 1, 1957, \$375 a month (5-29-57).

GARFINKEL, MARVIN, Research Associate in Physics (C), one year from September I, 1957, \$5800 (5-24-57).

GRACIE, GORDON, Instructor in Civil Engineering (C), academic year beginning September 1, 1957, \$5600 (5-29-57).

Hake, Harold W., Associate Professor of Psychology, June 16-August 31, 1957,

\$777.78 a month (6-10-57).
HANSON, ALFRED O., Professor of Physics (C), two months from July 16, 1957,

\$1100 a month; this is in addition to his present appointment (6-7-57).

HERBER, ROLFE H., Research Assistant Professor of Chemistry, June 16-August 15, 1957, \$600 a month; this is in addition to his present appointment (6-3-57).

HILL, ROBERT D., Professor of Physics (C), two months from June 16, 1957, \$933.33 a month; this is in addition to his present appointment (6-7-57).

HULSIZER, ROBERT I., JR., Professor of Physics (C), two months from July 16, 1957, \$1011.11 a month; this is in addition to his present appointment (6-7-57).

IHRIG, HARRY K., JR., Lecturer in Mechanical Engineering (C), academic year beginning September I, 1957, \$6000 (6-3-57).

IKEDA, RICHARD M., Research Assistant in Chemistry, June 16-August 15, 1957,

\$365 a month (6-3-57).

JOHNSON, RALPH H., Counselor in the Student Counseling Bureau, 3/4 time, Summer Session of 1957, June 17-August 10, 1957, \$1267 for the period (6-3-57).

JUNG, ALLEN F., Instructor in Economics, Summer Session of 1957 (Chicago Undergraduate Division), June 21-August 17, 1957, \$1112 for the period

(6-3-57).

KARVINEN, ESKO, Research Assistant in Clinical Science (Medicine), five months

A - 11 T 1077 \$402 50 a month. supersedes (5-29-57).

KEIM, SEWARD R., Instructor in Theoretical and Applied Mechanics (C), 1/2 time, academic year beginning September 1, 1957, \$2500 (5-29-57).

KLEIN, RICHARD E., Assistant in Physical Education for Men, nine months from September 16, 1957, \$650; this is in addition to the salary he will receive

from the Athletic Association (6-3-57).
Koehler, James S., Professor of Physics (C), two months from July 16, 1957,

\$1044.44 a month; this is in addition to his present appointment (6-7-57).

LANGHAAR, HENRY L., Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1957, \$1166.67 a month; this is in addition to his

present appointment (5-24-57). LAVATELLI, LEO S., Associate Professor of Physics (C), two months from June 16, 1957, \$811.11 a month; this is in addition to his present appointment

(6-7-57).

LOOMIS, F. WHEELER, Director of the Control Systems Laboratory (S), two months, June 16-June 30, 1957, and August 1-September 15, 1957, \$3644-44,

supersedes (6-7-57).

MAROTTA, SABATH F., Research Associate in Animal Science (S), five months from April 1, 1957, \$500 a month (5-29-57).

MAURER, ROBERT J., Professor of Physics (C), two months from June 16, 1957, this is a children to his present appointment (6-7-57).

\$1244.44 a month; this is in addition to his present appointment (6-7-57).

McBride, Howard J., Assistant in Economics, Summer Session of 1957, June 17-August 10, 1957, \$756 for the period, supersedes previous Summer Session appointment (6-10-57).

McConnell, Joseph L., Associate Professor of Economics, Summer Session of 1957, June 17-August 10, 1957, \$1645 for the period, supersedes previous Summer Session appointment (6-10-57).

MILLER, RAYMOND E., Research Associate in the Digital Computer Laboratory, two months from July 1, 1957, \$555.55 a month (6-10-57).

MITCHELL, ROBERT V., Assistant Professor of Marketing, 3/5 time, Summer Sessional Computer Sessional Computer

sion of 1957, June 17-August 10, 1957, \$947 for the period (6-10-57). NAGAMIYA, TAKEO, Research Assistant Professor of Physics (C), July 1-August

15, 1957, \$600 a month (5-24-57).

NAGARAJ, AKKIHEBBAL N., Research Assistant in Botany, June 16-August 31, 1957, \$321.66 a month (6-3-57).

OSGOOD, CHARLES E., Research Professor in the Institute of Communications

Research, June 16-July 31, 1957, \$1045 a month; this is in addition to his present appointment (5-27-57).

PATNAIK, SURENDRANATH, Research Assistant in the Digital Computer Labora-

tory, two months from June 16, 1957, \$333.33 a month (6-10-57).

POPENEY, THOMAS W., Research Assistant in Psychology, June 16-August 31, 1957, \$333.33 a month, supersedes (6-3-57).

RADZIMOVSKY, EUGENE I., Associate Professor of Mechanical Engineering, Sum-

mer Session of 1957, June 17-August 10, 1957, \$1378 for the period (6-3-57). RICKAYZEN, GERALD, Research Associate in Physics (C), one year from Septem-

ber 1, 1957, \$5800 (5-24-57). RIEHL, JEAN-LOUIS R., Research Associate in Pharmacology (Medicine), two

months from July 1, 1957, \$500 a month (5-20-57).

ROBERTSON, DONALD C., Instructor in Art, Summer Session of 1957, June 17-August 10, 1957, \$800 for the period, supersedes previous Summer Session appointment (6-3-57).

Rossi, Angelo, Research Associate in Physics (C), one year from September

I, 1957, \$5800 (5-29-57).
SAWYER, WALTER W., Associate Professor of Mathematics, ½ time, two months from June 16, 1957, \$889; this is in addition to his present appointment (5-20-57)

Schneider, Michael C., Assistant in Geology, Summer Session of 1957, June 17-August 10, 1957, \$667 for the period (6-6-57).

Schoonmaker, Sherman, Professor of Music, Summer Session of 1957, July 14-August 10, 1957, \$912 for the period, supersedes previous Summer Session appointment (6-10-57).

Schwarz, Helen M., Research Assistant in Chemistry, two months from June

16, 1957, \$335 a month (6-6-57).
Setton, Henry A., Instructor in General Engineering (Chicago Undergraduate Division), Summer Session of 1957, June 21-August 17, 1957, \$1178 for the period, supersedes previous Summer Session appointment (5-24-57).

SIDEBOTTOM, OMAR M., Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1957, \$755.56 a month; this is in addition to his present appointment (5-24-57).

SIMMONS, RALPH O., Research Associate in Physics (C), three months from

June 1, 1957, \$483.33 a month, supersedes (5-27-57).
SLICHTER, CHARLES P., Professor of Physics (C), two months from June 16,

1957, \$922.22 a month; this is in addition to his present appointment (6-7-57). SMITH, JAMES O., Professor of Theoretical and Applied Mechanics (C), ½ time, June 16-August 15, 1957, \$362.96 a month; this is in addition to his present appointment (5-24-57).

Spiegelman, Sol, Research Professor of Bacteriology, June 16-August 15, 1957, \$1111.11 a month; this is in addition to his present appointment (6-3-57).

STOECKER, WILBERT F., Assistant Professor of Mechanical Engineering, ½ time, Summer Session of 1957, June 17-August 10, 1957, \$600 for the period (6-3-57).

TAUB, ABRAHAM H., Research Professor of Applied Mathematics, in the Digital Computer Laboratory, June 16-July 15, 1957 and August 16-August 31, 1957, \$1372.22 a month; this is in addition to his present appointment (6-10-57).

TISCHER, RAGNAR P., Research Assistant in Chemistry, August 16, 1957-August 31, 1958, \$5000 a year (5-17-57).

Turkovich, Branimir F. von, Lecturer in Industrial Engineering (C), academic year beginning September 1, 1957, \$6500 (6-3-57). UENO, AKIRA, Research Assistant in Food Technology, one year from July 1,

1957, \$4750 (5-29-57).

UNTRAUER, RAYMOND E., Research Associate in Civil Engineering (S), June 16-August 31, 1957, \$700 a month (5-24-57), and for the academic year beginning September 1, 1957, \$6300 (5-29-57).

VOLPP, LOUIS D., Instructor in Marketing, academic year beginning September 1, 195**7,** \$5500 (6-7-57).

Waddell, Claude E., Lecturer in Aeronautical Engineering (C), academic year beginning September 1, 1957, \$6500 (6-3-57).
Wales, Hugh G., Professor of Marketing, ½ time, Summer Session of 1957,

June 17-August 10, 1957, \$956 for the period, supersedes previous Summer Session appointment (6-10-57)

WARREN, ERVIN H., Director of Police Training, Division of University Exten-

sion, June I, 1957-August 31, 1959, \$9000 a year (6-3-57).
Webb, Harold D, Associate Professor of Electrical Engineering (C), two months from June 16, 1957, \$788.89 a month (6-7-57).
WERT, CHARLES A., Research Professor of Physical Metallurgy (C), ½ time,

two months from June 16, 1957, \$422.22 a month; this is in addition to his present appointment (6-7-57). WETMORE, LOUIS B., Coordinator of Special Research Project under Wabash

Valley Study, one month from June 16, 1957, \$1200 (6-7-57) WHITCOMB, ROBERT F., Research Assistant in Botany, June 16-August 31, 1957,

\$333.34 a month, supersedes  $(\underline{6}$ -3-57).

WILSON, BEVERLY, Assistant in Physical Education for Women, nine months

from September 16, 1957, \$4500 (6-3-57).
WILSON, STANLEY D., Visiting Lecturer in Soil Mechanics (C), 5/100 time, one

year from September 1, 1957, \$500 (5-29-57).
Worthington, John H., Chicago Manager of Public Information, July 1, 1957-August 31, 1958, \$9500 a year (5-29-57).
WRIGHT, RICHARD N., III, Instructor in Civil Engineering (C and S), academic

year beginning September 1, 1957, \$5000 (5-29-57). YANKWICH, PETER E., Research Associate Professor of Chemistry, two months from June 16, 1957, \$1555.55; this is in addition to his present appointment (5-<del>2</del>4-57).

ZAHARKO, DANIEL S., Assistant in Physical Education for Men, nine months from September 16, 1957, \$4600 (6-3-57).

#### **GRADUATE FELLOWS**

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

Cash, Mrs. Catherin, International Nickel Company Fellow in Mathematics, nine months from September 16, 1957, \$3814 (6-3-57).

Crosby, Jack, Tobacco Industry Research Committee Fellow in the Chicago Professional Colleges, July 1-September 20, 1957, \$500 (5-31-57).

Gaburo, Kenneth L., Fellow in Music, two months from June 16, 1957, \$300

(5-24-57).

HALLSE, ROBERT L., Hammond Lead Products, Inc. Fellow in Ceramic Engineering, nine months from September 16, 1957, \$1600 (5-20-57). HELLER, ALEX, Alfred P. Sloan Fellow in Mathematics, six months from March

I, 1957, \$4334, supersedes (5-8-57).

KARMEIER, DELBERT F., Automotive Safety Foundation Fellow in Civil Engineer-

ing, nine months from September 16, 1957, \$1500 (5-17-57).

KARNER, ERNEST F., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering, nine months from September 16, 1957, \$1500 (5-20-57).

KRAMER, JESSICA R., Fellow in Music, nine months from September 16, 1957, \$1200 (5-23-57).

McDonald, Donald, Esso Research and Engineering Company Fellow in Civil

Engineering, nine months from September 16, 1957, \$1800 (5-24-57). Willis, Ronald P., Fellow in Geology, four months from October 1, 1957, \$536, supersedes (5-28-57).

## RESIGNATIONS AND DECLINATIONS

BAKER, CARROLL M., Acquisition Assistant in the Library — resignation effective July 1, 1957.

BEAM, GEORGE R., Director of Statistical Service Unit - resignation effective

July 9, 1957.

BHASKAR, SWINDAR N., Associate Professor of Oral Pathology (Dentistry)—
resignation effective September I, 1957.

Company Research Assistant in Animal Science—resigna-

Broker, Rajul S. (Mrs. Iyer), Research Assistant in Animal Science — resigna-

tion effective June 1, 1957. Chow, Yuan S., Fellow in Mathematics—resignation effective September 16, 1957.

COCHRAN, JOHN A., Assistant Professor of Economics - resignation effective September 1, 1957.

Dembski, William J., Jr., Instructor in Biological Sciences, Chicago Undergraduate Division, Summer Session of 1957 — declination effective June 21, 1957.

DICK, EDNA C., Assistant in Home Economics, Agricultural Experiment Station - resignation effective July 1, 1957.

DIETZ, JESS C., Professor of Sanitary Engineering, Summer Session of 1957 - declination effective June 17, 1957.

DULANY, DON E., JR., Assistant Professor of Psychology, Summer Session of 1957 — declination effective June 17, 1957. EUSTICE, JAMES S., Instructor in Business Law — resignation effective Septem-

ber I, 1957. FLYNN, DONALD C., Registered Pharmacist in Hospital Pharmacy — resignation effective May 25, 1957.

Frank, Evelyn, Associate Professor of Mathematics, Chicago Undergraduate Division, Summer Session of 1957 — declination effective June 21, 1957.

LANE, RICHARD L., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering — declination effective September 16, 1957.

LEE, FRED G. H., Research Assistant in Animal Science — resignation effective

June 1, 1957. McMillan, Martha, Assistant in Home Economics—resignation effective

September 1, 1957.
Morris, James R., Instructor in Economics, Chicago Undergraduate Division, Summer Session of 1957 — declination effective June 21, 1957.

NEHLS, EDWARD, Instructor in English, Summer Session of 1957 — declination effective June 17, 1957.

PADEN, DONALD W., Associate Professor of Economics, Summer Session of 1957

— declination effective June 17, 1957.

PEEPLES, WILLIAM A., Manager of Public Relations, Chicago Professional Colleges — resignation effective June 30, 1957.

Press, Joseph H., Registered Pharmacist in Hospital Pharmacy - resignation effective May 15, 1957.

Russ, Joanna R., Fellow in Speech — resignation effective September 16, 1957. SAXBERG, BORJE O., Instructor in Management — resignation effective September I, 1957

Schaefer, Ruth L., Education, Philosophy, and Psychology Librarian, with rank of Assistant Professor - resignation effective September 1, 1957.

SHANER, MRS. DEEON U., Library Assistant in the Institute of Labor and Industrial Relations — resignation effective June 1, 1957.
SMITHERS, PERRY L., Manager of Public Information, Chicago Undergraduate

Division — resignation effective July 15, 1957.

Sreebny, Leo M., Associate Professor of Applied Materia Medica and Thera-

peutics (Dentistry) - resignation effective September 1, 1957.

STAGNER, Ross, Professor of Psychology - resignation effective September 1,

STOLPER, GERTRUDE, Education, Philosophy, and Psychology Library Assistant, with rank of Instructor — resignation effective September I, 1957.

Sullivan, David J., Instructor in Veterinary Pathology and Hygiene, College of Veterinary Medicine—resignation effective July 27, 1957.

Titus, Mrs. May C., Assistant in Home Economics—resignation effective June

I, 1957.

Vosti, Kenneth L., Research Assistant in Preventive Medicine (Medicine) resignation effective July 1, 1957.

WARFIELD, JOHN N., Associate Professor of Electrical Engineering, and Research Associate Professor in the Control Systems Laboratory - resignation effective September 1, 1957.

Wheeler, Mrs. Eleanor, Assistant in Home Economics - resignation effective

September 1, 1957. Wilson, Ralph D., Assistant Professor of Management — resignation effective

September 1, 1957.
Zehmer, Evangeline Y., Instructor in Physical Medicine and Rehabilitation (Medicine) — resignation effective June 26, 1957.

# LEAVES OF ABSENCE

Bailey, LaForce, Professor of Art—leave of absence, with pay, April 24 to June 15, 1957, on account of illness.

Dietz, Jess C., Jr., Professor of Sanitary Engineering (Civil Engineering)—leave of absence, with pay, for fifteen days of active military service during

the month of May.

Frankel, Marvin, Research Assistant Professor in the Bureau of Economic and Business Research — leave of absence, without pay, one year from September 1, 1957, so that he may accept a position as Visiting Associate Professor at Stanford University.

GAILITIS, RAIMONDS G., Clinical Assistant in Medicine (Medicine) - leave of

absence, April 16 through August 31, 1957, for military service.

Goldwasser, Edwin L., Research Assistant Professor of Physics—leave of absence, without pay, July 13 through August 31, 1957, so that he may work in a special project at the Massachusetts Institute of Technology.

HINTON, ROYCE A., Research Associate in Farm Management - leave of absence, without pay, July I through August 31, 1957, so that he may complete his

Doctor's dissertation by September 1, 1957.

Parrish, John B., Professor of Economics—leave of absence, without pay, one year from September 1, 1957, so that he may accept a faculty research fellowship from the Ford Foundation.

Schap, Carol J., Instructor in Occupational Therapy (Medicine)—leave of absence, without pay, July 29 through August II, 1957, so that she may travel to Europe.

# JULY MEETING

On motion of Mrs. Watkins, the Board voted to hold meetings of all Committees of the Board which have business to transact at Urbana. Illinois, on Monday, July 15, 1957, beginning at 8:00 p.m., Central Daylight Saving Time; and to hold the July meeting of the Board at Urbana on Tuesday, July 16, 1957, beginning at 10:30 a.m., Central Daylight Saving Time.

# UNIVERSITY BIENNIAL BUDGET AND BUILDING PROGRAM AND UNIVERSITY LEGISLATION

President Henry reported that the biennial operating budget and building program for 1957-59 have been passed by the General Assembly and approved by the Governor. He also reported on the status of other legislation.

Mr. Johnston suggested that a resolution of appreciation directed to the Governor and to the General Assembly be prepared for adoption

by the Board at its next meeting.

On motion of Mr. Bissell, the Board adjourned.

A. J. JANATA Secretary PARK LIVINGSTON President