

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

June 17, 1964



The June meeting of the Board of Trustees of the University of Illinois was held in the Illini Union South, Urbana, Illinois, on Wednesday, June 17, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, and Mr. Kenney E. Williamson. Mr. Irving Dilliard, Mr. Earl M. Hughes, and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Vernon L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary. Dean Russell N. Sullivan of the College of Law was present during a part of the meeting.

MINUTES APPROVED

The Secretary presented the supplement to the minutes of the meeting of the Board of Trustees on July 2, 1963, and the minutes of the meetings of the Board of Trustees on September 18, October 26, and November 23, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 1 to 411, inclusive, and on pages 745 to 932, inclusive.

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.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

ANNUAL OPERATING BUDGET FOR 1964-65

(1) The complete, itemized, operating budget for 1964-65 covering all divisions of University work, with a condensed analysis and summaries, is submitted for official action.

The budget is for the fiscal year beginning July 1, 1964, for academic and administrative appointments beginning September 1, 1964, and for nonacademic personnel appointments beginning July, 1964. The budget has been prepared by the Executive Vice-President and Provost and the Vice-President and Comptroller in accordance with procedures approved by the President. It is based upon recommendations of the deans, directors, and other administrative officers, and has been reviewed by the President and the University Council. It has also been reviewed by the Finance Committee of the Board.

I recommend that this budget, covering the allocation of the estimated operating income from all sources for the year beginning July 1, 1964, as amended and approved by the Finance Committee, be approved by the Board, and that the President of the University be authorized, in accordance with the needs of the University and the equitable interests involved, and within total income: (a) to accept resignations, (b) to make such additional appointments as are necessary subject to the provisions of the University Statutes and the Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees, and (c) to make such changes and adjustments in items included in the budget as are needed, all such changes to be covered in the Vice-President and Comptroller's quarterly financial reports, or in reports to the Board by its Secretary, provided that assignments for new projects or programs and for nonrecurring capital expenditures in excess of \$2,500 shall be presented to the Board for approval.

A copy of the complete budget and of the condensed analysis and summaries had previously been sent to each member of the Board of Trustees.

Mr. Williamson, Chairman of the Finance Committee, reported that the Committee had met on June 16, 1964, and had recommended some changes, and that the budget as now being presented to the Board was amended accordingly. Mr. Clement, Mr. Johnston, Mr. Pogue, and Mrs. Watkins also participated in the meeting of the Committee.

The President of the University, the Executive Vice-President and Provost, and the Vice-President and Comptroller then discussed the budget and the presentation of the policy recommendations as set forth in the condensed analysis and summaries. A copy of this document has been filed with the Secretary of the Board for record.

Following discussion by members of the Board, on motion of Mr. Williamson, the budget was approved, authority was given as requested

in the President's recommendations, and the required appropriations were made, this action being taken by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent Mr. Dilliard, Mr. Hughes, Mr. Kerner.

The complete budget appears as a supplement to these minutes.

BUDGET OF THE ATHLETIC ASSOCIATION FOR 1964-65

(2) The Director of Intercollegiate Athletics submits, on behalf of the Board of Directors of the Athletic Association, the budget for the Association for 1964-65 which is summarized as follows with comparative figures for the preceding year:

	1963-64	1964-65
Income.....	\$1 165 535	\$1 297 860
Appropriations	1 159 730	1 292 445
Excess of Income.....	5 805	5 415

The budget has been examined and approved by the Executive Vice-President and Provost and the Vice-President and Comptroller.

I recommend that this budget be approved and that the President of the University be authorized to make such changes and adjustments, including approval of new appointments and acceptances of resignations, as are necessary and recommended by the Board of Directors of the Athletic Association within the total income realized.

A copy of the budget is being filed with the Secretary of the Board for record.

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(3) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, 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:

<i>Names</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ROSARIO BERNARD LAROSE	River Forest, Illinois	District of Columbia
ROBERT NEWMAN	Olivette, Missouri	Missouri
ARTHUR HENRY PETERS	Belleville, Illinois	Missouri
RALPH JOHN SIERRA, JR.	Santurce, Puerto Rico	Puerto Rico

I concur.

On motion of Mrs. Watkins, these certificates were awarded.

ADVISORY COUNCIL OF LIBRARIANS

(4) The Dean of Library Administration recommends the following appointments to the Advisory Council of Librarians for terms of three years beginning September 1, 1964.

Public Libraries

ELEANOR PLAIN, Librarian, Aurora Public Library, Aurora, to succeed Grace W. Gilman, Director, Lincoln Library, Springfield, whose term is expiring.

(The other representative of Public Libraries is William W. Bryan, Librarian, Peoria Public Library, Peoria, whose term will expire in 1965.)

College and University Libraries

GEORGE M. BAILEY, Executive Secretary, Association of College and Research Libraries, Chicago, to succeed Victoria Hargrave, Librarian, MacMurray College, Jacksonville, whose term is expiring.

(The other representative of College and University Libraries is Dr. Robert D. Hertel, Director of Libraries, Illinois State University at Normal, whose term will expire in 1965.)

School Libraries

RACHEL WILKES, Librarian, High School and Junior College, Centralia, to succeed Mrs. Imogene Book, Librarian, High School and Junior College, Mt. Vernon, whose term is expiring.

(The other representative of School Libraries is Eleanor Youngmire, Supervisor, Oak Park Elementary Schools, whose term will expire in 1965.)

Special Libraries

LORRAINE CIBOCH, Research Librarian, Teletype Corporation, Skokie, to succeed William S. Budington, Assistant Librarian, John Crerar Library, Chicago, whose term is expiring.

(The other representative of Special Libraries is Agnes C. Henebry, Librarian, *Decatur Herald and Review*, whose term will expire in 1965.)

I concur.

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

APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

(5) The Committee on Accountancy recommends the appointment of Elmer Waldo Mauritz of Peat, Marwick, Mitchell, and Company, Certified Public Accountants, Chicago, to the Board of Examiners in Accountancy for a three-year term beginning July 1, 1964, to succeed Mr. Paul F. Johnson, whose term expires June 30, 1964.

I concur.

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

APPOINTMENTS TO THE FACULTY

(6) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. MICHAEL BARR, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$8,100.
2. I. DAVID BERG, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$8,200.
3. RICHARD E. BLOCK, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$10,800.
4. VICTOR A. BLOOMFIELD, Assistant Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$8,500.
5. ROBERT C. BOSTON, Assistant Manager of Television Station, one-half time, and Supervisor of Television Services with rank of Instructor, one-half time, at an annual salary of \$11,000.
6. SIDNEY D. BRAUN, Visiting Professor of French, four and one-half months from September 16, 1964, at a salary of \$6,875.
7. DONALD E. CARLSON, Assistant Professor of Theoretical and Applied Mechanics, beginning September 1, 1964, at an annual salary of \$8,100.
8. ROBERT W. CARROLL, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$11,000.
9. GEORGE A. CHAMBERS, Assistant Professor of Educational Administration and Supervision, beginning September 1, 1964, at an annual salary of \$8,500.
10. JOHN C. CHATO, Associate Professor of Mechanical and Industrial Engineering, beginning September 1, 1964, at an annual salary of \$10,500.
11. NORMAN S. ENDLER, Research Assistant Professor of Psychology, four months from May 1, 1964, at a salary of \$4,300.
12. BETTY GLAD, Assistant Professor of Political Science and Coordinator of Extension in International Affairs, Division of University Extension, beginning September 1, 1964, at an annual salary of \$11,600.
13. GORDON Z. GREENBERG, Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of \$8,500.
14. ROBERT W. HELLWARTH, Visiting Associate Professor of Physics and of Electrical Engineering, for the academic year 1964-65, at a salary of \$16,000.
15. THEODORE HERSTAND, Assistant Professor of Speech and Theatre, beginning September 1, 1964, at an annual salary of \$8,200.

16. EDWARD F. HESS, JR., Assistant Law Librarian with rank of Assistant Professor, beginning October 1, 1964, at an annual salary of \$8,200.
17. CONRAD A. ISTOCK, Assistant Professor of Zoology, beginning September 1, 1964, at an annual salary of \$8,000.
18. FREDERIC M. JENKINS, Assistant Professor of French, beginning September 1, 1964, at an annual salary of \$8,700.
19. THOMAS C. KING, Chief of Training Section, Office of Research in Medical Education, four-fifths time, and Associate Professor of Surgery, one-fifth time, beginning September 1, 1964, at an annual salary of \$17,500.
20. GUY LAPREVOTTE, Visiting Assistant Professor of French, one year from September 1, 1964, at a salary of \$7,500.
21. NOËLLE LAPREVOTTE, Visiting Assistant Professor of French, one year from September 1, 1964, at a salary of \$7,500.
22. RUDOLPH A. MARCUS, Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$18,000.
23. DONALD LEE MILLER, Assistant Professor of Music, School of Music and Division of University Extension, beginning September 1, 1964, at an annual salary of \$10,000.
24. JOHN MYHILL, Visiting Research Professor of Mathematics, in the Digital Computer Laboratory, Graduate College, for one year from June 16, 1964, at a salary of \$19,000.
25. STANLEY M. NEALEY, Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of \$8,000.
26. ERNEST T. PARKER, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$11,000.
27. IAIN C. PAUL, Research Assistant Professor of Physical Chemistry, from May 1, 1964, through June 15, 1964, and from July 16, 1964, through August 31, 1964, at a salary of \$2,834; and beginning September 1, 1964, at an annual salary of \$8,500.
28. THEODORE A. PAYENS, Visiting Professor of Food Science, Agricultural Experiment Station, from December 21, 1964, through June 19, 1965, at an annual salary of \$7,485.
29. WILLIAM H. PIRKLE, Assistant Professor of Organic Chemistry, beginning September 1, 1964, at an annual salary of \$7,800.
30. KENNETH PREISS, Assistant Professor of Civil Engineering and of Nuclear Engineering, beginning September 1, 1964, at an annual salary of \$7,500.
31. JOHN T. RADER III, Assistant Professor of Economics, beginning September 1, 1964, at an annual salary of \$10,750.
32. HEYDAR RADJAVI, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$8,300.
33. MINAKSHISUNDARAM RAJAGOPALAN, Visiting Assistant Professor of Mathematics, for the academic year 1964-1965, at a salary of \$8,500.
34. DAVID L. ROSENBERG, Clinical Assistant Professor of Psychiatry, College of Medicine, beginning April 1, 1964, without salary.
35. WALTER K. SCHOENHOLZ, Assistant Professor of Virology, Department of Veterinary Pathology and Hygiene and Center for Zoonoses Research, beginning August 1, 1964, at an annual salary of \$11,000.
36. OTTO EUGENE SCHOEN-RENÉ, Visiting Professor of English, one year from September 1, 1964, at a salary of \$15,000.
37. ROBERT L. SPRAGUE, Research Psychologist in Children's Research Center, and Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of \$11,000.
38. WILLIAM B. VAN GROENOU, Visiting Assistant Professor of Industrial Administration, for the academic year 1964-1965, at a salary of \$8,000.
39. ROBERT F. WELSH, Assistant Professor of English, beginning September 1, 1964, at an annual salary of \$7,500.
40. ROBERT W. WOODY, Assistant Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$8,100.
41. STANLEY YOUNG, Visiting Associate Professor of Industrial Administration, one year from September 1, 1964, at a salary of \$11,000.

Appointments of Noncitizens to Indefinite Tenure Positions

The following recommendations for appointments on indefinite tenure of non-

citizens were reviewed by a committee consisting of the Executive Vice-President and Provost, the Acting Dean of the Graduate College, and the dean of the college concerned in accordance with the policy and procedure authorized by the Board of Trustees for consideration of such appointments. The Committee has concurred in the recommendations.

1. JANEZ PEKLENIK, Professor of Mechanical and Industrial Engineering, beginning September 1, 1964, at an annual salary of \$12,650.
2. GEORGE A. SIM, Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$16,000.

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

DIRECTORSHIP OF THE ILLINOIS HISTORICAL SURVEY

(7) The Acting Dean of the Graduate College recommends the appointment of Dr. Robert M. Sutton, Professor of History and Associate Dean of the Graduate College, as Director of the Illinois Historical Survey on one-half time, effective September 1, 1964, to succeed Mrs. Marguerite Jenison Pease, who is retiring this year. Professor Sutton will continue as Associate Dean of the Graduate College on one-half time during 1964-65.

His area of specialization is state and local history and in conjunction with his administrative duties, he has continued to teach courses in the history of Illinois and to do research in that area.

The Executive Vice-President and Provost concurs.

I recommend approval.

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

HEADSHIP OF THE DEPARTMENT OF ANIMAL SCIENCE, URBANA

(8) The Dean of the College of Agriculture and Director of the Agricultural Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics recommends the appointment of Dr. Robert O. Nesheim, presently Manager of the Livestock Feed Research Department of the Quaker Oats Company, as Professor of Animal Science on indefinite tenure and Head of the Department of Animal Science beginning July 15, 1964, at an annual salary of \$19,500 on a twelve months' service basis.

This appointment is to fill the vacancy created by the resignation of Professor O. Burr Ross, who is leaving the University of Illinois to be Vice-President for Agricultural Sciences and Dean of the College of Agriculture at Oklahoma State University.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur in this recommendation.

I recommend approval.

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

HEADSHIP OF THE DEPARTMENT OF PHYSICAL EDUCATION FOR MEN, URBANA

(9) The Dean of the College of Physical Education recommends the appointment of Dr. Earle F. Zeigler as Professor on indefinite tenure and Head of the Department of Physical Education for Men beginning September 1, 1964, at an annual salary of \$14,500 on an academic year service basis.

The appointment of Professor Zeigler, presently a member of the faculty, as Head of the Department was initiated by a special search committee.¹ He will succeed Professor Chester O. Jackson, who has been serving as Head of the Department since 1958 and who has asked to be relieved of the administrative duties as Head so that he can devote full time to teaching and research.

¹C. K. Brightbill, Professor and Head of the Department of Recreation and Municipal Park Administration, Chairman; T. K. Cureton, Professor of Physical Education for Men; Laura J. Huelster, Professor and Head of the Department of Physical Education for Women; H. E. Kenney, Professor of Physical Education for Men and Manager of Facilities, College of Physical Education; Douglas R. Mills, Professor of Physical Education for Men and Director of Athletics; T. J. Nugent, Associate Professor of Physical Education for Men and Director of the Division of Rehabilitation-Education Services.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

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

HEADSHIP OF THE DEPARTMENT OF SPEECH AND THEATRE, CHICAGO UNDERGRADUATE DIVISION

(10) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. R. Victor Harnack, presently Associate Professor of Speech at the University of Colorado, as Professor of Speech on indefinite tenure and Head of the Department of Speech and Theatre at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$14,500 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

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

HEADSHIP OF THE DEPARTMENT OF SYSTEMS ANALYSIS AND DESIGN, CHICAGO UNDERGRADUATE DIVISION

(11) The Dean of the College of Engineering and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Robert E. Machol, presently Vice-President for Systems of Conductron Corporation, as Professor on indefinite tenure and Head of the Department of Systems Analysis and Design in the College of Engineering at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$17,500 on a twelve months' service basis.

The Acting Dean of the Graduate College, and the Executive Vice-President and Provost concur.

I recommend approval.

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

SABBATICAL LEAVES OF ABSENCE, 1964-65

(12) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1964-65 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 18 and May 20, 1964.

BEULAH A. HUNZICKER, Assistant Professor of Home Economics, College of Agriculture, first semester, full pay.

HIRAM PALEY, Assistant Professor of Mathematics, College of Liberal Arts and Sciences, first semester, one-half pay.

NICHOLAS C. SCHOLOMITI, Assistant Professor of Mathematics, Chicago Undergraduate Division, second semester, full pay.

On motion of Mr. Johnston, these leaves were granted, as recommended.

ADMISSION REQUIREMENTS IN THE COLLEGE OF LAW

(13) The Urbana-Champaign Senate recommends several changes in requirements for admission to the College of Law, effective June 1, 1965. The major change is for a minimum admission requirement of a bachelor's degree from an approved undergraduate college.

The changes recommended have flexibility to facilitate the change-over to the new admission requirement and to deal with exceptional cases. The revisions will bring the College of Law in line with the requirements of other major law schools in this country.

Submitted herewith is a complete statement of all changes proposed, including the present and the new requirements, and a copy is being filed with the Secretary of the Board for record.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval.

Dean Russell N. Sullivan of the College of Law was present at the meeting and discussed in some detail the reasons for the proposed change.

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

AMENDMENTS OF UNIVERSITY STATUTES

(14) At its April 15, 1964, meeting the Board of Trustees stated its tentative approval of revisions in Sections 6, 38, and 39 of the University Statutes originated by the Senates, with the exception of certain modifications thereof proposed by the Board, and directed that the advice of the University Senates be sought on the modifications.

On May 19, 1964, the Chicago Undergraduate Division Senate expressed its approval of the modifications proposed by the Board.

On May 25, 1964, the Urbana-Champaign Senate defeated a motion to adopt the Board's modifications and passed motions which (a) requested an opportunity for further consultation with the Board of Trustees (or a committee thereof) for the purpose of arriving at a consensus which would reflect the principles of the amendments adopted by the three Senates; (b) designated a Committee of the Senate for such purpose; and (c) suggested that the Board invite the corresponding Committees on Academic Freedom from the other Senates to join in such consultations.

On June 3, 1964, the Medical Center Senate also defeated a motion to approve the Board's proposed modifications and passed motions requesting further consultations in essentially the manner suggested by the previous action of the Urbana-Champaign Senate.

In accordance with the request of the Urbana-Champaign and the Medical Center Senates, I recommend that (1) further consultation be arranged with the designated committees, including the Committee on Academic Freedom of the Chicago Undergraduate Division; (2) the liaison committee of the Senate Coordinating Council also be requested to participate in the consultation as provided for in Section 7(d) of the University Statutes;¹ and that (3) the matter be referred to the Committee on General Policy for further action.

On motion of Mrs. Watkins, the President's recommendations were approved.

CONSOLIDATION OF OFFICE OF INSTRUCTIONAL RESEARCH AND OFFICE OF INSTRUCTIONAL TELEVISION INTO AN OFFICE OF INSTRUCTIONAL RESOURCES AT URBANA-CHAMPAIGN

(15) The Executive Vice-President and Provost recommends that an Office of Instructional Resources be established to replace the Office of Instructional Research and the Office of Instructional Television at the Urbana-Champaign campus. The new Office will assume the responsibilities presently assigned to its two predecessors and will in addition provide a wider range of instructional services to faculty members, departments, and colleges.

The Office of Instructional Resources will be broadly concerned with the improvement of the instructional program—especially at the undergraduate level—through assisting the faculty in the increased use of newer techniques and media and through studies of the influence upon academic achievement of other factors in the University environment within and outside the classroom.

The need to improve the quality of collegiate instruction in the face of mounting enrollment, and probably without commensurate increases in faculty and funds, makes it imperative to use as fully and as effectively as possible the

¹ Section 7(d) of the University Statutes provides that: "The Council shall appoint not more than three of its members to act as a liaison committee advisory to the Board of Trustees (through the President), the President, and the respective Senates, in matters of special and extraordinary concern to the University. The special function of this committee shall be to aid in maintaining harmonious relations among such officers and units of the University. The Committee shall act only upon the express request of the Board of Trustees, the President, any one of the three Senates, or the Senate Coordinating Council."

newer instructional resources such as television, programmed instruction, films, graphic presentation, and other audio-visual techniques. The Office of Instructional Resources will assist faculty members in the use of these media and in evaluating their effectiveness.

In addition to studies of instructional methods and course content, the new Office will sponsor research on the relationship of academic achievement and choice of vocation to the characteristics of students (geographic, educational, psychological, and socio-economic), to characteristics of instructors, and to characteristics of the extracurricular environment.

The Director of the Office of Instructional Resources at Urbana-Champaign will administer that Office under the general supervision of the Executive Vice-President and Provost. He will also have University-wide staff responsibility for coordinating such functions on all campuses of the University, and for advising the Executive Vice-President and Provost concerning policies and plans in this area.

It is recommended also that Professor Charles J. McIntyre, at present Director of the Office of Instructional Television, be named Director of the Office of Instructional Resources at Urbana-Champaign, with the additional responsibilities just described.

I concur.

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

CENTER FOR INTERNATIONAL COMPARATIVE STUDIES

(16) In consultation with the departments concerned, the Acting Dean and the Executive Committee of the Graduate College recommend that there be established in the Graduate College a Center for International Comparative Studies. The Center will supplement programs previously established and for which funds have been provided in state appropriations for the current biennium (1963-64). The earlier programs and the new Center will also be supported over a period of five years by a grant received from the Ford Foundation.

The purpose of the proposed Center will be to provide a framework within the University for stimulating and supporting comparative research of a functional and problem-oriented nature along cross-cultural, cross-national, and cross-regional lines. Its central function will be to develop means of encouraging such research and criteria for supporting it, including appropriate arrangements for released time for faculty research and for financing overseas travel for research scholars. Preference for support will be given to research programs that involve the training of graduate students.

A detailed description of the functions of the Center is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The officers on the three campuses concerned have been consulted. The Director of International Programs and the Executive Vice-President and Provost concur in the recommendation.

I recommend approval.

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

CENTER FOR INSTRUCTIONAL RESEARCH AND CURRICULUM EVALUATION

(17) The College of Education recommends that the name of its present Office of Educational Testing be changed to "Center for Instructional Research and Curriculum Evaluation," effective September 1, 1964.

The new name would denote more accurately the interests and activities of the staff members of the Office of Educational Testing. Its functions have always been broader in scope than educational testing per se, and the proposed designation would emphasize the major purposes for which educational and psychological tests are used in educational research.

The proposed Center for Instructional Research and Curriculum Evaluation would have a relatively small permanent staff—as the Office of Educational Testing now has—but it would have the cooperation of many faculty members in departments throughout the College of Education, and in other colleges, who are interested in curricular innovation or in the improvement of teaching. The Center would provide the technical assistance needed for testing the effectiveness

of curriculum changes in various school or college subjects, and for determining the teaching methods best suited to the presentation of such materials to students.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost recommend approval of the change in name and expansion in program of the Office of Educational Testing.

I concur.

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

ESTABLISHMENT OF A SURVEY RESEARCH LABORATORY

(18) The Acting Dean of the Graduate College recommends that a Survey Research Laboratory be established by the University of Illinois as a separate unit of the Graduate College. The functions of the Survey Research Laboratory will be to: (1) plan, conduct, and process survey operations for University research projects; and, to carry out this function, to create an operating survey organization with facilities for maintaining and interviewing probability samples of the population of the state of Illinois; (2) conduct and promote research in survey methods; (3) provide a means for training undergraduate and graduate students in survey methods; and (4) act as a data repository for survey and other data on the state of Illinois.

Such a laboratory will serve to coordinate and facilitate the large number of University projects which currently use survey methods and will promote research on questions which can only be answered through the use of surveys. Its need stems from the growing use of the survey method as a tool of investigation employed in many different areas of the University. Knowledge of the use of this tool and of the associated facilities has become essential if undergraduate and graduate students in most of the social sciences and related applied fields are to receive a well-rounded education.

Until now, the University has possessed no central laboratory for maintaining survey operations, for collecting survey data, or for storing research data in a form readily available to faculty members and students. This type of laboratory exists at the Universities of Michigan and Wisconsin, but there is none at present in the state of Illinois.

The operations of the Survey Research Laboratory will be conducted by faculty members who hold departmental appointments. Primary administrative responsibility will rest with a Director and an Executive Committee. The Executive Committee will consist of those faculty members directly responsible for the major sections of the Laboratory (sampling, field operations, coding, and data storage), together with additional appointees from the faculties of the various departments of the University of Illinois most dependent upon the facilities of the Laboratory for their research activities. These additional faculty appointees will be named by the Dean of the Graduate College on recommendation of their department heads. The Director will be appointed biennially by the Board of Trustees on recommendation of the President, after nomination by the Dean of the Graduate College with the concurrence of the Executive Committee of the Laboratory. The Director of the Laboratory will serve as a member of the Executive Committee.

It is intended that the groundwork of the Laboratory will be laid during the forthcoming summer and academic year. During this period, a so-called master sample of the population of Illinois will be developed and field force of interviewers will be established and trained in all areas encompassed by the master sample. During this same period, plans would be completed for a perpetual data repository. Such repository would seek to develop an inventory of data needed in studies carried out by University faculty, and would maintain data relating to the business conditions and welfare of the State of Illinois.

A major function of the Laboratory will be to educate graduate and undergraduate students in survey techniques. Students will be given an opportunity to work under general faculty supervision and will be involved closely with the operational phases of a survey project. In addition, graduate students will be able to carry out dissertation projects using the resources of the Survey Research Laboratory. Faculty members will offer departmental courses drawing upon the resources of the Laboratory.

It is anticipated that the Survey Research Laboratory will be ready for regular operations by September, 1965.

This proposal has been approved by the Executive Committee of the Graduate College, the University Research Board, and the Executive Vice-President and Provost.

I concur.

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

HOSPITAL-MEDICAL-SURGICAL INSURANCE POLICIES FOR STUDENTS AND STAFF

(19) Bids have been received on the hospital-medical-surgical insurance programs for staff and students for one year from September 1, 1964, with the right reserved to renew such insurance annually thereafter upon mutual agreement between the Carrier and the University. A schedule of the bids is submitted herewith and a copy is being filed with the Secretary.

The Vice-President and Comptroller recommends award of a contract for the same benefits as the current program to the Continental Assurance Company, 310 South Michigan Avenue, Chicago, the lowest bidder, at the following rates:

Staff Insurance

	Monthly Premium to be Paid to Company	Present Contract
Employee.....	\$3 64	(\$3 51)
Employee and Dependents.....	9 59	(9 40)

Student Insurance

	Premium Per Semester to be Paid to Company	Premium Per Quarter to be Paid to Company
	Chicago Undergraduate Division	Medical Center
	Urbana	
Student.....	\$ 9 38 (\$ 9 20)	\$7 34 (\$7 20)
Spouse.....	12 34 (12 10)	9 94 (9 75)
Child or Children...	8 80 (8 63)	7 08 (6 95)
		5 30 (5 20)

The excess over the cost of the coverage will be adequate to defray the administrative expenses of the programs. Since the bids are only slightly more than under the present contract, no increase in the fees charged to students and staff is necessary.

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

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(20) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

Urbana-Champaign

1. College of Fine and Applied Arts:	
Department of Art, equipment.....	\$ 4 526
2. Physical Plant Department:	
Remodeling in the Mining and Metallurgy Laboratory and moving costs for the Department of Art.....	5 377
Remodeling for School of Music at 1205 West Nevada Street, Urbana, to provide practice rooms.....	8 375
Remodeling for School of Music at 1205½ West Nevada Street, Urbana, to develop classroom and office space for piano instruction.	10 100
Remodeling at 1007 and 1007½ South Wright Street, Champaign, for use as a Center for Linguistics and various area studies groups...	11 040
Remodeling in the Natural History Building to provide research space for graduate students and in Harker Hall to provide space for courses in the School of Life Sciences.....	17 580
Remodeling on the second floor of the Mining and Metallurgy Laboratory to provide office space for the Nuclear Engineering Program..	19 270
Total.....	\$76 268

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR CONSTRUCTION OF DYNAMICS TEST LABORATORY

(21) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend award of contracts for construction of the Dynamics Test Laboratory for the Department of Civil Engineering, the award in each case being to the lowest bidder:

General — Kuhne-Simmons Company, Inc.....	\$173 340
Base bid	\$176 960
Deductive alternates for:	
Omission of laboratory cabinets.....	—3 200
Omission of ceramic wall and floor tile in two rooms.....	—410
Electrical — Square Deal Electrical Contracting, Inc., Urbana.....	16 342
Plumbing — Willis H. Thomas and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana.....	7 855
Heating and Air Conditioning — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign.....	5 656
Ventilating — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign.....	4 981
<i>Total</i>	\$208 174

It is also recommended that a combined contract be awarded to F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign, in the amount of \$10,637 being the total of the amounts bid by that Company on heating and air conditioning and on ventilating work.

Funds are available from the Universities Building Fund and from the Research Contract Reserve. The latter source will be reimbursed if a construction grant is received from the National Science Foundation.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Page, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

CONTRACT FOR CONSTRUCTION OF UTILITY EXTENSIONS TO EAST CHEMISTRY BUILDING

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$36,879 to the J. A. Julian Company, Chicago, the lowest bidder, for extension of steam service to the East Chemistry Building Addition.

Funds are available in the state capital appropriations to the University for 1963-65 and have been released.

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR COOLING TOWERS FOR ADMINISTRATION BUILDING

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of cooling towers on the Admin-

istration Building for air conditioning the new addition, the present building, and providing additional capacity for future air conditioning of other buildings in the immediate area, the award in each case to the lowest bidder.

General — Kuhne-Simmons Company, Inc., Champaign.....	\$ 59 624
Base bid	\$60 000
Deductive alternates for:	
Omission of job office.....	—165
Omission of temporary sign.....	—136
Omission of temporary power.....	—75
Electrical — Square Deal Electrical Contracting, Inc., Urbana.....	12 890
Plumbing — F. R. Inskip, an individual doing business as Inskip Plumb- ing, Heating, and Air Conditioning Company, Champaign.....	6 860
Heating — Bellis and Miller, Inc., Champaign.....	63 551
<i>Total</i>	<u>\$142 925</u>

Funds are available in state capital appropriations to the University from the Universities Building Fund, subject to release.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR MINOR BUILDING ALTERATIONS AND REPAIRS

(24) The Director of the Physical Plant and the Vice-President and the Comptroller recommend authorization of cost-plus contracts with the following contractors for minor building alterations, repairs, and construction work for the period July 1, 1964, through June 30, 1965.

General — Dean Evans Company, Champaign

Electrical — William H. Brunkow, an individual doing business as Brunkow Electric Company, Champaign

Plumbing — Willis H. and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana

Heating, Piping, Refrigeration, and Automatic Temperature Control Systems — Reliable Plumbing and Heating Company, Champaign

Ventilation and Distribution Systems for Conditioned Air — Reliable Plumbing and Heating Company, Champaign

It is also recommended that a combined contract be awarded to Reliable Plumbing and Heating Company, Champaign, for heating, piping, refrigeration, and automatic temperature controls and for ventilation and distribution systems for conditioned air, since this Company submitted identical bids for each category of work.

These contracts are for work which does not justify the cost of preparing separate drawings and specifications and of separate bidding procedures on each project. The several contractors bid on percentages to be added to actual material, labor, and subcontract costs, depending in many cases on the size of the particular division of work with specified limits of four ranges.

Work will be done as ordered by the Physical Plant Department and will be paid for on the basis of the actual cost of each job plus contractors' fees. A schedule of bids taken showing the percentages to be added for work to be executed under these cost-plus contracts is submitted herewith, and a copy is being filed with the Secretary of the Board for record as the basis for the contract awards recommended. No assignment of funds is requested and each job will be covered by a contract change order charged against funds allocated for the project.

It is further recommended that the Vice-President and Comptroller be authorized to approve orders under these contracts up to \$25,000 on each project provided that any orders exceeding this amount shall be submitted to the Board

of Trustees for approval in advance, in accordance with previous practice and authorization.

I concur.

On motion of Mr. Williamson, these contracts were awarded, and authority was given as requested, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

CONTRACT FOR PLASTERING, PLASTER PATCHING AND REPAIRS, AND ACOUSTICAL WORK

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a cost-plus contract to George S. Grimmett, doing business as George S. Grimmett and Company, Springfield, the lowest bidder, for plastering, plaster patching and repairs, and acoustical work during the fiscal year ending June 30, 1965, on the basis of a contractor's fee of 13.9 per cent of all actual job costs as determined by itemized billing.

I concur.

On motion of Mr. Johnston, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR REMODELING IN DENTISTRY-MEDICINE- PHARMACY BUILDING

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

General—Heller Construction Company, Inc., Chicago.....	\$25 252
Base bid	\$23 459
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	1 793
Laboratory Equipment—Duralab Equipment Corporation, Chicago.....	27 974
Plumbing—Reid Mechanical Contractors, Inc., Chicago.....	8 222
Heating and Process Piping—Ashland Plumbing and Heating Company, Chicago.....	7 964
Ventilating—Hedmark Sheet Metal Company, Inc., Glen Ellyn.....	19 595
Pipe Covering and Insulation—W. J. Donahoe Company, Chicago.....	1 455
Electrical—Midwest Interstate Electrical Construction Company, Chicago	7 220
<i>Total</i>	<u>\$97 682</u>

This work will include rehabilitating the west half of a student laboratory (Biochemistry Room 304) by installation of new partitions, laboratory furniture, improvement of the lighting level and mechanical ventilation, installation of resilient flooring, and painting. The remodeling is a continuation of remodeling in this area which was completed during the 1961-63 biennium.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$97,682; and that an agreement be entered into with Heller Construction Company, Inc., for the assignment of these other contracts for \$1,793 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds for this work are available in the state capital appropriations to the University for 1963-65.

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston,

Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

EXTENSION OF EASEMENT AT CARTER-PENNEL FARM

(27) The Central Illinois Public Service Company has an easement for electric power transmission lines along the public roads adjoining the University's Carter-Pennell farm near Rankin in Vermilion County. The Company needs to install a heavier line and requests an easement to install three anchor wires on University property. The area of the easement is about one-seventh of an acre. Two of the anchors will be on non-tillable land, and most of the area around the third anchor can be farmed. The Company will pay \$150 for the easement.

The Dean of the College of Agriculture and the Vice-President and Comptroller consider this compensation adequate and recommend adoption of the following resolution granting an easement.

Resolution

Be It, And It Hereby Is Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Central Illinois Public Service Company, an Illinois corporation, hereinafter referred to as "Grantee," its successors and assigns, the right to construct, operate, patrol, and maintain a transmission line, including poles, anchors and necessary fixtures and wires attached thereto, over and upon the land hereinafter described, for the transmission of electrical energy and communication such line to form a part of an electrical transmission and telephone system to be owned and operated by the said Grantee its successors, or assigns, extending from the lands owned by the said Grantee and the structures thereon in Vermilion County, Illinois, to other lands and structures located beyond the lands hereinafter described, and also to remove or trim all brush and trees on the said land within Fifty Feet (50') of the said transmission line, together with the right of access to the said land. Any damage to any property of the Grantor, its assigns or tenants, caused by the employees of the Grantee, its successors or assigns, shall be promptly paid by the said Grantee, its successors or assigns. The land of the Grantor over which this grant is given and the location of the line to be constructed thereon, are described as follows:

TRACT I:

The North One Hundred Feet (N. 100') of that part of the Southwest Quarter (SW $\frac{1}{4}$) of the Northeast Quarter (NE $\frac{1}{4}$) of Section Eleven (Sec. 11) which lies East of Brook Creek and the West Four Hundred Twenty Five Feet (W. 425') of that part of the Southeast Quarter (SE $\frac{1}{4}$) of the Northeast Quarter (NE $\frac{1}{4}$) of Section 11 which lies North of the North line of Carter's Second West Addition to the Original Town of Rankin, Illinois, all in Township Twenty-Three North (T.23.N.), Range Fourteen West (R.14.W.) of the Second Principal Meridian (2nd P.M.), Vermilion County, Illinois.

This grant is made to grant the right to place One (1) anchor Nine Hundred Sixty-five Feet (965') North of the South line of the Northeast Quarter (NE $\frac{1}{4}$) of the said Section 11 and 1350 feet West of the East line of the said Section 11. Also, One (1) anchor to be placed 1070 feet North of the South line of the Northeast Quarter (NE $\frac{1}{4}$) of the said Section 11 and 1320 feet West of the East line of the said Section 11. Also, Two (2) anchors to be placed 1210 feet, more or less, North of the South line of the Northeast Quarter (NE $\frac{1}{4}$) of the said Section 11 and 1140 feet West of the East line of the said Section 11.

TRACT II:

The North Twenty-Five Feet (N. 25') of the West One Hundred Fifty Feet (W. 150') of the Northwest Quarter (NW $\frac{1}{4}$) of the Northwest Quarter (NW $\frac{1}{4}$) of Section Twelve (Sec. 12) in Township Twenty-Three North (T.23.N.), Range Fourteen West (R.14.W.), of the Second Principal Meridian

(2nd P.M.), Vermilion County, Illinois, which lies South of the South line of the Public Highway which extends East and West along the North line of the said Section 12.

This grant also includes the right to place One (1) pole One Foot (1') South of the South line of the above mentioned Public Highway and 142 feet East of the center line of State Highway Route #49. One (1) anchor to be placed 20 feet South of the said pole.

The Grantee herein agrees to move, at its own expense, the anchors listed above, upon request of Grantor, and due to relocation of said Brook Creek bed, to a location which is mutually agreeable between Grantee and Grantor.

This easement to cease to be in effect if said transmission line is abandoned.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

EMPLOYMENT OF ENGINEERS

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Sodemann and Associates, Champaign, Illinois, for engineering services in planning the paving of Peabody Drive east of Goodwin Avenue in front of the Veterinary Medicine Building at the standard fee based on Schedule B of the minimum fees of the Illinois Society of Professional Engineers.

Funds are available in the Physical Plant budget.

The Committee on Buildings and Grounds and the Advisory Committee on Architectural and Engineering Services have been consulted and recommend approval.

I concur.

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

EMPLOYMENT OF SPECIAL COUNSEL

(29) The Legal Counsel has been authorized to employ special counsel in the vicinity of Du Quoin, Illinois, to represent the University in a case before the Court of Claims filed by Ora Metcalf, an employee of Marshall Browning Hospital in Du Quoin, and in which case (by an amended complaint) the University is being sued for \$5,000 for an alleged loss of hearing resulting from a demonstration conducted by the University Extension Division.

I request confirmation of this authorization.

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

DIXON SPRINGS AGRICULTURAL CENTER

(30) The Dean of the College of Agriculture and Director of the Agricultural Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics reports a reorganization of the Dixon Springs Experiment Station, and, recommends changing its name to "Dixon Springs Agricultural Center of the University of Illinois."

I have approved the recommendations and report my action for the record. A text of the reorganization plan is submitted herewith, and a copy is filed with the Secretary of the Board for the record.

On motion of Mrs. Watkins, the President's actions were confirmed.

PURCHASES

Purchases Authorized

(31) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in one category: purchases from Institutional Funds. This term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other donors, and University revolving funds authorized by law.

Purchases from Institutional Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of laboratory equipment and supplies for export to Thailand	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	LaPine Scientific Co., Chicago	\$3 043 61 f.a.s. New York, N.Y.
One lot of laboratory equipment and supplies including constant temperature water baths, pipette and washing accessories, balance, microscope, ovens, and assorted laboratory accessory items	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	Schaar Scientific Co., Chicago	3 079 35 f.a.s. New York, N.Y.
Two electrocardiographs and accessories consisting of six transducers, two preamplifiers, one accessory kit, and twenty-four rolls of recording paper	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	Hewlett-Packard Co., Palo Alto, Calif.	5 083 20 f.o.b. Waltham, Mass.
One lot of laboratory equipment and supplies including mimeoscopes and optical accessories, laboratory glassware, water still, and laboratory accessories	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	LaPine Scientific Co., Chicago	3 894 23 f.a.s. New York, N.Y.

On motion of Mr. Johnston, 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 acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University); and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors, and University revolving funds authorized by law.

Purchases from Appropriated Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One 70 mm., x-ray camera to be furnished and installed on an x-ray image amplifier in the Department of Radiology	Radiology, Medical Center	North American Philips Co., Inc., Evanston	\$3 165 00 delivered and installed
Furnish, deliver, and set in place in buildings at Chicago Circle, 3,065 office chairs consisting of 940 wood armchairs, 814 upholstered side chairs, 671 upholstered swivel chairs, 211 posture chairs, 80 upholstered chairs without arms, and 349 wood conference chairs, upholstered seat	Chicago Circle	Milwaukee Chair Co., Milwaukee, Wis.	129 190 39 delivered and set in place
Furnish and install 263 pieces of steel office furniture consisting of 46 desks, 12 tables, 7 credenzas, 46 files, 122 chairs, 26 stools, and 4 typing stands, all for use in the Library Building at Chicago Circle	Library, Chicago Circle	E & I Cooperative Service, Inc., Garden City, N.Y.	25 033 84 delivered and set in place
Furnish and set in place optical laboratory equipment complete with auxiliary accessories, consisting of one spectrograph, medium quartz; two wave length spectrometers; one interferometer; one abbe refractometer; one raman spectrograph	Physics, Chicago Circle	Engis Equipment Co., Chicago Gaertner Scientific Corp., Chicago	45 042 59 4 055 00 (49 097 59) delivered and installed

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish and install a double beam infrared spectrophotometer for use in wave length range 2.5 to 50 microns (4000 to 200 cm^{-1}) with a high resolution and accuracy in the entire range, for the Department of Physics at Chicago Circle	Physics, Chicago Circle	Beckman Instruments, Inc., Lincolnwood	\$ 25 283 30 delivered and installed
Furnish and deliver drafting equipment consisting of one theodolite, four optical transits, one soil augur, one optical level, one lot twenty-two drafting machines, one stadia rod, for departments at Chicago Circle	Chicago Circle	National Survey Instruments, Inc., Chicago Frederick Post Co., Chicago	4 461 25 2 734 04 (7 195 29) delivered and installed
Three gasoline-powered material handling trucks and one electric-powered material handling truck	Chicago Circle	West Coast Machinery Co., Stockton, Calif.	5 273 50 delivered
Eighty wood ladders, thirty-six stage platforms, twenty-two extension planks, eight steel safety ladders, two aluminum safety ladders, four aluminum step ladders, for use at Chicago Circle	Chicago Circle	A To Z Equipment Co., Chicago Chicago Ladder & Scaffold Co., Chicago The Patent Scaffolding Co., Chicago	163 60 278 80 3 125 41 (3 567 81) delivered
Furnish, deliver, and set in place 116 lecterns in Classroom Complex, Engineering and Science Laboratories, and Lecture Center at Chicago Circle	Physical Plant, Chicago Circle	Herman Miller, Inc., Chicago	24 106 00 delivered and set in place
One industrial tractor and accessories	Physical Plant, Chicago Circle	Artim Equipment Co., Inc., Hammond, Ind.	3 700 00 delivered
One lot of grounds maintenance equipment consisting of: one power sweeper, two professional type power mowers, two two-wheel tractors, two battery powered sweepers, one roller, one renovator, one lawn mower sharpener, four grass trimmers, one power sprayer, two reel-type lawnmowers, two rotary mowers, four electric hedge trimmers, six garden hose reels, fourteen sprinklers	Physical Plant, Chicago Circle	George A. Davis, Inc., Chicago Gravely of Chicago, Melrose Park Illinois Lawn Equipment, Inc., Orland Park McMaster-Carr Supply Co., Chicago Roseman Tractor Equipment Co., Evanston G. H. Tennant Co., Chicago	1 966 90 2 945 00 2 526 00 337 20 1 373 00 6 643 82 (15 791 92) delivered
Furnish, deliver, and set in place thirteen pieces of machine equipment, consisting of one grinder, one pipe and bolt threading machine, one saw, one jointer, one shaper, one tenoner, one drill press, and six machine and pipe vises	Physical Plant, Chicago Circle	Chicago Precision Supply Corp., Schiller Park Four vises A. L. Fader & Co., Chicago Jointer Shaper Grand Tool & Supply Co., Chicago Two vises Clifford Peterson Tool Co., Chicago Grinder Threading Machine Balco Tool & Machine Co., Chicago Tenoner Drill Press Olsen Tool Corp., Chicago Saw	142 49 1 900 00 750 00 100 00 300 90 688 40 930 00 260 00 83 815 (5 909 94) delivered and set in place

(Note: This purchase will be from both Institutional Funds, \$502.49, and Appropriated Funds, \$5,407.45, for a total of \$5,909.94.)

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish, erect, and install 674 double-tier steel lockers, 12 in. by 18 in. by 72 in., and 76 enclosure panels for Chicago Circle Engineering and Science Laboratories	Physical Plant, Chicago Circle	Lyon Metal Products, Inc., Chicago	\$ 10 136 02 delivered and installed
One transmitter, AM, 5 kw, complete with all necessary transmission lines, branching and phasing equipment, and control units, less trade-in of old transmitter equipment	Radio Station	Radio Corp. of America, Camden, N.J.	34 861 70 f.o.b. delivered
One truck, fork lift, gasoline operated, 84 in. collapsed height, 12,000 pound capacity, less trade-in of twenty-year-old fork lift truck, to be used by the Physical Plant in jobs on the Urbana campus	Physical Plant	R. E. Common Equipment Co., Peoria	9 849 00 f.o.b. delivered
Furnish and install 238 upholstered auditorium type chairs with tablet arms in the lecture room of the Library addition	Physical Plant	The Franklin-Lee Co., Chicago	7 021 00 f.o.b. delivered and installed
Furnish and apply asphalt and limestone chips to be used for resurfacing and sealing streets, drives, and parking lots on the Urbana campus, as follows: 6,350 gallon (approximately) M.C.O. asphalt primer; 270 ton (approximately) 5/8 limestone chips; 17,000 gallons (approximately) PA-1 asphalt; 480 ton (approximately) limestone chips	Physical Plant Storeroom	Parro Construction Corp., Urbana	9 969 00 f.o.b. delivered and applied
University police clothing, including fitting of items as follows: 392 shirts; 7 overcoats, reefer style; 46 uniform jackets; 96 uniform trousers; 72 caps	Physical Plant Storeroom	Gerber Manufacturing Co., Mishawaka, Ind.	5 127 60 f.o.b. delivered
Hospital and medical professional liability insurance for three years at limits of \$200,000/500,000 covering the Chicago and Urbana risk; premium is payable on an annual installment basis of \$12,127 for Chicago and \$1,197 for Urbana	Research and Educational Hospitals, Health Services, Veterinary Medicine	Arthur Gottschalk, Peoria, representing Lumbermens Mutual Casualty Co.	40 884 00 total three- year premium
Veterinarian liability insurance, \$5,000 per claim, \$15,000 aggregate; annual installment of \$304			

Purchases from Institutional Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One electron microscope and image intensifier system, less trade-in of one used microscope	Aeromedical Laboratory, Medical Center	The Perkin-Elmer Corp., La Grange	\$37 190 00 delivered and installed
One photomicroscope and accessories	Anatomy, Medical Center	Matheson Scientific, Inc., Chicago	5 674 49 delivered
Twenty dental air turbine units	Fixed Partial Prosthodontics	Star Dental Manufacturing Co., Inc., Philadelphia, Pa.	4 608 00 delivered
One flow detector, one flow monitor, and one 11 in. recorder	Pharmacology (Medicine)	Packard Instrument Co., Inc., La Grange	7 900 00 delivered
One spectrophotometer with accessories	Medicine	Matheson Scientific, Inc., Chicago	6 263 00 delivered
One lot of laboratory supplies, including two refrigerated centrifuges, eighty bottles of petroleum ether reagent, eighty bottles of acetone reagent, eighty bottles of methyl alcohol absolute reagent, eighty bottles of xylene reagent, eighty cans of ether anhydrous reagent, five cases of wash bottles, twenty-four pro-pipettes	Physiology, Medical Center	Matheson Scientific Co., Chicago	5 377 40 delivered
Dental laboratory service for the Prosthodontics Clinic consisting of the processing of artificial teeth in plastic and the furnishing of removable partial denture castings, for the period beginning July 1, 1964, through June 30, 1965, and may be renewed for one year by mutual agreement	Prosthodontics Clinic, Medical Center	Major-Monroe Dental Laboratory, Chicago	19 436 16 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Porcelain denture teeth as requested by the Prosthodontics Clinic from July 1, 1964, through June 30, 1965	Prosthodontics Clinic, Medical Center	D. L. Saslow Co., Inc., Chicago	\$ 4 672 68 delivered
One lot of approximately 243,000 sterile disposable hypodermic syringes and 199,000 hypodermic needles; this represents the estimated requirement from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement	Medical Center Stores	Colonial Hospital Supply Co., Chicago	22 378 94 delivered
Approximately 480 cases sterile disposable operating room packs 300 cases sterile disposable obstetrical packs 60 cases sterile disposable lithotomy sheets 120 cases sterile disposable laparotomy sheets 156 cases sterile disposable towels This represents a twelve months' supply, subject to renewal for one year by mutual agreement	Medical Center Stores	Convertors, Inc., Newark, N.J.	40 973 76 delivered
504 bottles (500 CC each) lipomul I.V., a high carbohydrate dietary supplement used in pre- and post-operative care; this is an estimated six months' supply	Pharmacy Stores, Medical Center	The Upjohn Co., Chicago	2 889 43 delivered
One unit dose dispensing system consisting of one hypule filling and sealing machine, five hypule applicators, one cupule sealing machine, and one dropule pipetting jig	Hospital Pharmacy	Ampoules, Inc., Hudson, Ohio	9 502 50 delivered
Furnish and erect one silo, 18 ft. by 60 ft., poured concrete, including foundation at the University of Illinois Wright Farm No. 4 located at Malta, to be used for corn silage for livestock feeding research being conducted by the Department of Agricultural Economics	Agricultural Economics	Bertram Construction, Grafton, Wis.	4 040 00 f.o.b. delivered and erected
One titrator, dual, recording with one 2.5 ml burette and one combination electrode, for use in the nonaqueous titration of CO ₂ in primine by the Department of Animal Science	Animal Science	E. H. Sargent & Co., Chicago	2 932 00 f.o.b. delivered
One spectrophotometer, infrared, recording, including three cells for liquid sampling, four boxes chart paper, two pen heads, five sodium chloride windows, and two demountable cell mounts, for general laboratory work in the Department of Animal Science	Animal Science	Perkin-Elmer Corp., La Grange	4 993 00 f.o.b. delivered
One 12215 constant potential x-ray generator and control, 50 KV-50 MA, adaptable for x-ray spectrograph with tube housing, shutters, filter selector disc, and rectifiers	Chemistry and Chemical Engineering	Phillips Electronic Instruments, Chicago	4 640 00 f.o.b. delivered
One microscope, photo stand with built-in automatic camera and accessories	Chemistry and Chemical Engineering	W. H. Kessel & Co., Chicago	5 772 49 f.o.b. delivered
One spectrometer, electron spin resonance type for class instruction in the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	Alpha Scientific Laboratories, Inc., Berkeley, Calif.	4 545 00 f.o.b. delivered
Two cameras, x-ray, with 77 mm. camera diameter plus accessories, non-integrating	Chemistry and Chemical Engineering	Picker X-Ray Corp., Chicago	3 190 00 f.o.b. delivered
Fabricate machine components consisting of a decay chamber, a soil container, and a base plate, for the Dynamic Load Generator to be built by the Civil Engineering Department for soil studies under a United States Air Force contract	Civil Engineering	Nooter Corp., St. Louis, Mo.	42 400 00 f.o.b. delivered
Lounge furniture for use in the Faculty Lounge of the new Commerce Building	College of Commerce and Business Administration	Weber, Hilmer, & Johnson, Chicago	7 486 39 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish services and materials for photographic optical effects and titles as requested for the period from June 19, 1964, through June 30, 1965	University of Illinois Committee on School Mathematics Film Project	Zapel Studios, Inc., Chicago	\$ 14 635 50 f.o.b. delivered
Two basic electronic chassis including power supply, eight digit readout with memory, automatic decimal point, and mode indicator, 1 mc crystal oscillator and related circuitry One plug-in frequency range module One plug-in function module	Coordinated Science Laboratory	Computer Measurements Co., c/o Pivan Engineering, Chicago	5 509 16 f.o.b. delivered
Two linear power amplifiers	Coordinated Science Laboratory	The Technical Materiel Corp., Mamaroneck, N.Y.	6 714 96 f.o.b. Nyack, N.Y.
350 special transistors, Federal No. 2N2015	Digital Computer Laboratory	Radio Corp. of America, Chicago	4 217 50 f.o.b. delivered
350 special transistors, Federal No. 2N1485	Digital Computer Laboratory	Hardinge Brothers, Inc., Chicago	7 072 00 f.o.b. delivered
One lathe, high precision, complete with collets and accessories to be used by the Digital Computer Laboratory for research in integrated circuits	Digital Computer Laboratory	Hughes Aircraft Co., Chicago Microdiodes	56 200 00 f.o.b. Newport Beach, Calif.
200,000 microdiodes 25,000 high-speed transistors 30,000 medium-speed transistors	Digital Computer Laboratory	Motorola Semiconductor Products, Inc., Chicago Transistors	40 750 00 f.o.b. Phoenix, Ariz.
One milling machine, horizontal universal, with complete set of collets and accessories to be used by Digital Computer Laboratory in machining of components for integrated circuits	Digital Computer Laboratory	Hardinge Brothers, Inc., Chicago	5 745 25 f.o.b. delivered
123,000 resistors, metal oxide film, 1/4 watt at 70°C, 2 per cent tolerance, tinned copper leads	Digital Computer Laboratory	Corning Glass Works, Chicago	12 858 00 f.o.b. Bradford, Pa.
1,200 connectors, electronic, 44 contact, taper pin	Digital Computer Laboratory	Methode Electronics, Inc., Chicago	4 380 00 f.o.b. Chicago
One jigmil, precision boring and milling machine, 48 in. horizontal travel, table size 35 in. by 48 in., complete with preselected automatic speed changing mechanism for use by the Physics Department in precision jig boring and medium duty precision milling on large surfaces	Physics	Luther & Pedersen, Inc., Chicago	55 570 00 f.o.b. delivered
One oscilloscope dual-trace, 0-50 mc, signal delay feature, sweep range 0.1 microsecond/cm to 5 seconds/cm, 7 nanoseconds rise time One scope-cart, portable, on rollers	Physics	Tektronix, Inc., Park Ridge	2 585 00 f.o.b. Beaverton, Ore.
Rebuild one universal milling machine and rental of a replacement milling machine during the period of rebuilding	Physics	Indianapolis Machinery Co., Inc., Indianapolis, Ind.	4 350 00 f.o.b. delivered
One oscilloscope, sampling type One timing plug-in unit One dual trace plug-in unit One scope-cart, mobile Two probes	Physics-Betatron	Tektronix, Inc., Park Ridge	3 520 00 f.o.b. Beaverton, Ore.
Fifteen modular system power supplies, each self-contained, solid state, providing six independent DC voltages for operating high-speed solid state logic circuits	Physics-Betatron	Edgerton, Germeshausen, & Grier, Inc., Boston, Mass.	18 750 00 f.o.b. Salem, Mass.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Three lots (596 tons total) straw, wheat, and/or oats	Veterinary Clinical Medicine, Dairy Science, Animal Science	Roy E. Rigdon, Ridge Farm 100 tons Ray Snyder, Lincoln 300 tons H. B. Sanderson, Tuscola 196 tons	\$ 1 700 00 5 175 00 3 528 00 (10 403 00) f.o.b. delivered
11,904 pints acetone reagent grade; 8,488 pints methyl alcohol anhydrous reagent; 6,144 pints chloroform reagent; 10,080 pounds ether, anhydrous reagent in 1 pound cans; 2,160 pounds ether U.S.P. in five-pound cans; 4,608 pints benzene reagent A.C.S.; an estimated one-year supply in the General Chemical Stores to be shipped on a monthly basis in quantities of approximately one-twelfth of the amounts shown	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo.	13 247 12 f.o.b. delivered
Fifteen cases, card catalog, fifteen tray, wood, complete with top cornice units and leg base units	Library	Bro-Dart Industries, Newark, N.J.	2 670 35 f.o.b. delivered
Two dictionary stands, wood, size 24 in. wide by 15 in. deep by 43½ in. high			
Thirty-one typewriters, manual, 12 in. carriage, 92 character, including four dead keys	Library	Blum's Office Machines, Champaign	6 170 15 f.o.b. delivered and installed
Library furniture and shelving for the Physical Education Library and the Rare Book Room in the seventh addition to the Library as follows: 234 chairs, sixty-one tables, four desks, two counters, miscellaneous library equipment (Group A) Eleven card catalog cases (Group B) Fifty-six ranges of wood shelving (Group C) Seventeen exhibit cases (Group D)	Library	The Buckstaff Co., Oshkosh, Wis. Group A The Franklin-Lee Co., Chicago Group B C. S. Brown & Co., Wauwatosa, Wis. Group C Michaels Art Bronze Co., Covington, Ky. Group D	17 312 12 delivered 7 600 00 delivered 14 264 00 delivered and installed 8 109 00 delivered (47 285 12)
(Note: This purchase will be made from both Institutional Funds, \$30,948.61, and Appropriated Funds, \$16,336.51, for a total of \$47,285.12).			
Furniture for student rooms in Orchard Downs: Group 1 600 single beds 200 student desks with trapezoidal tops 235 student desks with rectangular tops Group 2 450 study chairs	Housing Division	Joerns Furniture Co., Stevens Point, Wis. Group 1 S. Buckman Furniture & Supply, Spring Valley Group 2	65 006 20 11 524 50 (76 530 70) f.o.b. delivered
1,560 gallons paint, interior, to be used by Housing Division paint crew in maintenance and redecorating jobs in campus housing units maintained by the Housing Division in Urbana	Housing Division	Bacon & Van Buskirk Glass Co., Champaign	3 831 70 f.o.b. delivered
Four cash registers, heavy duty, equipped with the following features: change computation buttons for twenty-five cents, fifty cents, and \$1.00, six-department totals, one tax total, two cashier totals with individual locks, one non-resettable auditor total, automatic transaction and customer counter, removable change trays and automatic change dispensers; less trade-in of one cash register with change mechanism	Housing Division	The National Cash Register Co., Danville	11 014 20 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Lounge furniture for use in the various lounges and the snack bar of the Illinois Street Residence Halls	Housing Division	Weber, Hilmer, & Johnson, Chicago Gilbert A. Force Co., Chicago Office Equipment Co. of Chicago, Chicago	\$ 48 609 17 2 681 55 7 400 25 (58 690 97) f.o.b. delivered
113 library chairs with arms brushed chrome frames, naugahyde upholstery	Office Supply Storeroom	S. Buckman Furniture & Supply Co., Spring Valley	4 136 96 f.o.b. delivered
2,244 wastebaskets, metal, various sizes and colors, for Office Supply Storeroom stock to meet the anticipated requirements for the buildings under construction at Urbana	Office Supply Storeroom	Acro-Adroit, Inc., Chicago	3 556 11 f.o.b. delivered
5,328 ring binders, three-ring, various sizes, for Office Supply Storeroom stock; an estimated ten to twelve months' supply	Office Supply Storeroom	Acro-Adroit, Inc., Chicago	6 161 76 f.o.b. delivered
Professional services to produce a thirteen and one-half minute sound-on-film color movie, including ten release prints, devoted to the subject of the nature and organization of a modern university library; film to be used to help in recruiting students for careers in librarianship	Office of Public Information	G & G Film Corp., Champaign	7 500 00 f.o.b. delivered
Print and bind 1,500 copies of <i>Advances in Neuroendocrinology</i> , by Andrew V. Nalbandov, approximately 540 pages per copy, trim size 6¾ in. by 10 in.	University Press	Malloy Lithographing, Inc., Ann Arbor, Mich.	3 662 00 f.o.b. delivered
Furnish and install one duplicator, offset, to accommodate 11 in. by 14 in. stock, equipped with an attachment to permit printing of two colors simultaneously, chain delivery and receding stacker	University Press Print Shop	Addressograph-Multigraph Corp., Peoria	5 565 63 f.o.b. delivered and installed
678 chairs, classroom, square metal frame, upholstered seat and back with foam rubber padding, for classrooms in the new Commerce Building	Physical Plant	S. Buckman Furniture & Supply Co., Spring Valley	11 621 06 f.o.b. delivered
Labor, material, and supervision to install acoustical tile in corridors of Garner and Weston Residence Halls at Urbana	Physical Plant	Harlan E. Moore & Co., Champaign	10 035 00 f.o.b. delivered and installed
Services of engineer for inspection and supervision of overhaul of turbine-generators and other associated equipment at the Abbott Power Plant, as required for the period July 1, 1964, through June 30, 1965	Physical Plant	General Electric Co., St. Louis, Mo.	15 000 00
450 chairs, movable, tablet arm type, for classroom use in the new Commerce Building	Physical Plant	S. Buckman Furniture & Supply Co., Spring Valley	8 239 50 f.o.b. delivered
Three truckloads (approximately 6,990 gallons) synthetic floor finish to be delivered to the Physical Plant Storeroom, one load to be delivered in July, 1964, with options for one load in October, 1964, and another option for one load for delivery in March, 1965	Physical Plant	Huntington Laboratories, Inc., Decatur	11 393 70 f.o.b. delivered
282 fixtures, fluorescent, six reflector fixtures, fourteen strip fixtures, and 142 hangers for installation by Physical Plant personnel on Urbana campus	Physical Plant	Graybar Electric Co., Inc., Peoria	6 984 54 f.o.b. delivered

On motion of Mr. Johnston, these purchases were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

(32) The Comptroller's report of contracts executed during the period May 1 to 31, 1964.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
The McGraw Wildlife Foundation	Tolerance studies on <i>Tilapia</i> fishes	\$ 1 800	April 1, 1964
United States Air Force AF-AFSR-7-64	Comprehensive study of the theory and circuitry of systems with mind-like behavior	90 658	May 1, 1964
United States Air Force AF29(601)-6369	Sands subjected to dynamic and rapid loading to high-stress levels	22 000	March 13, 1964
United States Army DA-ARO-D-31-124-G543	Surface and fracture energies of solids	52 045	April 7, 1964
United States Navy Nonr-3985(07)	Investigation of photoplasticity techniques and subsequently examine the elasticplastic states of stress and strain of the tip of a crack	24 300	May 1, 1964
<i>Total</i>		<u>\$190 803</u>	

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Allis-Chalmers Manufacturing Co.	Rental of farm machinery: one tractor	\$ 469	April 13, 1964
Massey-Ferguson, Inc.	Rental of farm machinery: one No. 6 wagon	20	April 7, 1964
<i>Total</i>		<u>\$ 489</u>	

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Aeronautics and Space Administration NSG13-59	Flow-mechanism and heat transfer in separated flows	\$ 90 000	March 1, 1964
National Aeronautics and Space Administration NSG376	Underlying processes and techniques of low pressure measurement	101 860	December 1, 1963
State of Illinois Department of Conservation	Fisheries research	32 500	April 27, 1964
United States Air Force AF19-(604)-4940	Analysis of severe thunderstorms	5 995	April 23, 1964
United States Air Force AF19(604)-7411	Basic physics of shock wave phenomena	2 287	April 23, 1964
United States Army DA-11-022-ORD-1175	Alloys of the transition elements	655	April 24, 1964
United States Army DA-11-022-ORD-1987	Electrochemistry of fused salts	349	April 23, 1964
United States Army DA-11-022-ORD-2691	Dislocations and point defects	807	April 23, 1964
United States Army DA-11-022-ORD-3442	Protection against corrosion	954	April 24, 1964
United States Army DA-31-124-ARO-D-65	Dislocations and point defects	35 000	April 20, 1964
United States Atomic Energy Commission AF(11-1)-890	Mechanism of radiation-induced addition of tritium to carbon-carbon double bonds	11 000	May 1, 1964
United States Atomic Energy Commission AT(11-1)-891	Chemical reactions of energetic atoms produced by nuclear recoil or by heterogeneous flash photolysis	21 028	April 15, 1964
United States Atomic Energy Commission AT(11-1)-1018	Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high-energy particle events	200 000	April 24, 1964
United States Atomic Energy Commission AF(11-1)-1199	Studies of rainout of radioactivity in Illinois	53 000	June 1, 1964
United States Atomic Energy Commission AT(11-1)-1264	Physical, chemical, and biological equilibria in natural waters	21 647	February 15, 1964

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Department of Health, Education, and Welfare PH43-62-467	Medical supervision, control, and coordination of clinical evaluation studies in cancer chemotherapy	\$ 7 535	April 14, 1964
United States Federal Housing Administration HA(....)fh-872	Factors that influence the quality of site design of multi-family housing projects and investigation of single-family housing	23 227	April 22, 1964
United States Navy Nobs-88058	Fatigue studies on plain plate or welded plate specimens	56 000	March 25, 1964
United States Navy Nobsr-89229	Radiolocalization directed toward system problems	200 102	May 4, 1964
<i>Total</i>		<u>\$863 946</u>	

Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Twenty-one items: \$305.86 deduct to \$825.00	\$ 2 833	April and May, 1964

Summary

Amount to be paid to the University.....	\$1 054 749
Amount to be paid by the University.....	3 322

This report was received for record.

REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee submits the following report:

Meeting of the Executive Committee of the Board of Trustees of the University of Illinois June 1, 1964

On call of the Chairman, and pursuant to due notice, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the offices of Skidmore, Owings, and Merrill, Architects, 30 West Monroe Street, Chicago, Illinois, on Monday, June 1, 1964, beginning at 4:00 p.m.

The following, constituting all members of the Committee, were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, Mrs. Frances B. Watkins.

Also present were, from the University: Mr. Earl M. Hughes of the Board of Trustees, President David D. Henry, Vice-President and Comptroller H. O. Farber, Mr. C. S. Havens, Director of the Physical Plant, Mr. James E. Osborn, Business Manager for the Chicago Colleges, Mr. J. Fred Knight, Purchasing Agent at the Chicago Undergraduate Division, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, and Mr. A. J. Janata, Secretary of the Board and Clerk of the Committee; and from the firm of Skidmore, Owings, and Merrill: Mr. Walter A. Netsch, Jr., Mr. Fred W. Kraft, and Mr. Ralph Youngren.

The purpose of the meeting was to consider recommendations for the purchase of classroom and lecture room seating and tables for the buildings under construction at Chicago Circle. Mr. Farber and Mr. Havens made introductory statements concerning the bids taken on the classroom and lecture room furniture. A tabulation of the proposals received was distributed to the members of the Committee and a copy was filed with the Clerk of the Committee for the record.

The bid proposals were on three groups of equipment: (A) classroom seating, (B) lecture room seating, and (C) lecture center tables. Mr. Netsch and Mr. Youngren presented the recommendations of Skidmore, Owings, and Merrill and exhibited samples of all of the items of equipment on which bids were received.

The Executive Committee acted separately on each group.

On motion of Mrs. Watkins, the Committee voted to authorize the purchase of the classroom seating from the General Fireproofing Company, Youngstown, Ohio, and Chicago, Illinois, at a total price of \$91,357.48.

On motion of Mr. Johnston, the Committee voted to authorize the purchase of lecture room seating from Herman Miller, Inc., Zeeland, Michigan, and Chicago, Illinois, for a total price of \$126,530.70.

On motion of Mr. Johnston, the Committee voted to authorize the purchase of the continuous lecture center tables from Herman Miller, Inc., at a price of \$7,680. These actions were taken by votes of record as follows: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins, no, none; absent, none.

The Committee adjourned.

A. J. JANATA
Clerk

WAYNE A. JOHNSTON
FRANCES B. WATKINS
HOWARD W. CLEMENT, *Chairman*

INVESTMENT REPORT

Report of the Finance Committee

(33) The Finance Committee reported the following changes in investments of endowment funds for the month of April, 1964:

Cole Living Trust

Sale					
\$ 2 000	State of California	3 per cent	11/1/85	\$	1 785 80
2 000	New York City	3.60	7/1/80		1 946 00
2 000	Spokane S/D 81	3	1/1/85-72		1 796 80

Purchase					
\$ 4 000	Federal Land Bank	4½ per cent	2/20/78-73	\$	3 955 00
110 shares	Pacific Gas & Electric	6 per cent 1st Pfd			3 478 75

Dickerson

Sale					
276 rights	American Telephone and Telegraph			\$	575 80

Purchase					
6 shares	American Telephone and Telegraph comm.			\$	600 00

Garner

Sale					
6/10 share	Royal Dutch Petroleum (20-G)			\$	25 20

Ceramic-Metal Reactions

Sale					
500 shares	Avnet Electronics Corporation common			\$	8 250 08

Pool

Sale					
1 right	American Telephone and Telegraph			\$	1 96

Purchase					
\$ 8 000	U. S. Treasury bonds	4 per cent	2/15/80	\$	7 860 00
46 shares	American Telephone and Telegraph comm.				4 600 00

Report of the Comptroller

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

Current Funds

Restricted Group (June 20, 1962)

Purchase					
\$ 300 000	U. S. Treasury bills		7/30/64	\$	297 018 67
1 000 000	First National C/D*		9/29/64		1 000 000 00
100 000	U. S. Treasury bills		9/30/64		98 284 42
500 000	Montgomery Ward Credit notes		10/15/64		489 881 94
1 000 000	First National C/D*		10/30/64		1 000 000 00

Construction Funds

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase					
\$ 50 000	U. S. Treasury bills		8/13/64	\$	49 424 75

* Certificates of Deposit of the First National Bank of Chicago.

Chicago — Congress Circle Union (June 19, 1963)

Purchase

\$ 295 000	U. S. Treasury bills	5/14/64	\$ 294 208 66
306 000	U. S. Treasury bills	6/18/64	304 155 84

Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

Purchase

\$ 125 000	U. S. Treasury bills	7/23/64	\$ 123 913 06
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Graduate Housing (February 19, 1964)

Purchase

\$ 200 000	U. S. Treasury bills	5/14/64	\$ 199 297 00
215 000	U. S. Treasury bills	6/18/64	213 512 20
220 000	U. S. Treasury bills	7/15/64	217 870 40
220 000	U. S. Treasury bills	8/13/64	217 237 04
220 000	U. S. Treasury bills	9/17/64	216 384 12
150 000	U. S. Treasury bills	10/15/64	147 239 75
220 000	U. S. Treasury bills	10/31/64	215 367 29
200 000	U. S. Treasury bills	11/30/64	195 141 50
185 000	U. S. Treasury bills	12/31/64	179 918 05
175 000	U. S. Treasury bills	1/31/65	169 596 68
150 000	U. S. Treasury bills	2/28/65	144 919 83
565 000	U. S. Treasury notes 3 $\frac{7}{8}$ per cent	5/15/65	564 293 75
1 071 000	U. S. Treasury notes 3 $\frac{7}{8}$ per cent	8/13/65	1 067 987 81

Illinois Street Residence Halls (October 17, 1962)

Purchase

\$ 80 000	U. S. Treasury bills	6/18/64	\$ 79 539 82
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Orchard Downs and SG-2 (June 14, 1960)

Purchase

\$ 65 000	U. S. Treasury bills	7/16/64	\$ 64 437 75
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Orchard Downs Addition (May 24, 1962)

Purchase

\$ 53 000	U. S. Treasury bills	7/16/64	\$ 52 541 55
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Pennsylvania Avenue Residence Halls (June 21, 1961)

Purchase

\$ 58 000	U. S. Treasury bills	6/18/64	\$ 57 669 37
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Sinking Funds

Chicago — Congress Circle Union (June 19, 1963)

Purchase

\$ 1 000	U. S. Treasury bills	2/28/65	\$ 968 21
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Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; May 24 and October 17, 1962; and February 19, 1964)

Purchase

\$ 74 000	U. S. Treasury bills	9/17/64	\$ 72 804 53
74 000	U. S. Treasury bills	2/28/65	72 520 59
72 000	U. S. Treasury notes 3 $\frac{7}{8}$ per cent	8/13/65	71 820 00

On motion of Mr. Williamson, this report was received for record, and the Committee's actions were confirmed.

NUCLEAR ENGINEERING LABORATORY

(35) With the approval of the Committee on Buildings and Grounds, the former Metallurgy Laboratory adjacent to the Ceramics Building which has been assigned to the nuclear engineering program has been renamed Nuclear Engineering Laboratory and this matter is being reported for record.

This report was received for record.

NAMING OF RESIDENCE HALLS

(36) The Housing Division recommends the following names for the Illinois Street Residence Halls and the Graduate Student Residence Halls on Green Street:

Illinois Street Residence Halls, Women's Building—Ruth A. Wardall Hall. Ruth A. Wardall, 1877-1936; Professor and Head of the Department of Home Economics, 1921-36.

Ruth A. Wardall was born July 28, 1877, at Tolono, Illinois. She was an Alumna of the University of Illinois, receiving the degrees of Bachelor of Arts in 1903 and Master of Arts (in Home Economics) in 1907. She served as Professor and Head of the Department of Home Economics at the University of Illinois from September, 1921, until April, 1936, when she resigned because of ill health. She died in July, 1936.

Prior to coming to Illinois, Miss Wardall had served as Head of the Departments of Home Economics at South Dakota State College, Ohio State University, and at the State University of Iowa. She achieved national recognition in her work as a teacher of home economics and as an administrator. She is especially remembered for her high ideals, her fine professional and personal character, and her loyalty to the University.

Illinois Street Residence Halls, Men's Building—Edgar Jerome Townsend Hall. Edgar Jerome Townsend, 1865-1955; Professor and Head of the Department of Mathematics, 1905-29; Dean of the former College of Science, 1905-13.

Edgar J. Townsend was born February 2, 1865, in Litchfield, Michigan. He graduated from Albion College with the degree of Bachelor of Philosophy in 1890 and received the degree of Master of Philosophy from the University of Michigan in 1891. Nine years later he received the degree of Doctor of Philosophy from the University of Göttingen.

Dr. Townsend joined the faculty of the University of Illinois as Assistant Professor of Mathematics in 1893. In 1895 he became an Associate Professor and Professor in 1905. He served as Head of the Department of Mathematics from 1905 until he retired in 1929. During the period 1905-13 he was also Dean of the former College of Science and at various times served for short periods as Acting President of the University during absences of President Edmund J. James.

His life at Illinois started during the period when John Milton Gregory, the retired first Regent of the University, was still living and ended shortly before the present President of the University began his administration. Professor Townsend died July 8, 1955.

Graduate Student Residence Halls—Arthur Hill Daniels Hall. Arthur Hill Daniels, 1865-1940; Professor of Philosophy, 1899-1934; Dean of the Graduate School, 1919-33; Acting President, 1933-34.

Arthur H. Daniels was born in East Medway (now Millis), Massachusetts, October 19, 1865. He graduated from Olivet College, Michigan in 1887 with the degree of Bachelor of Arts and received the degrees of Bachelor of Divinity from Yale University in 1890 and of Doctor of Philosophy from Clark University in 1893.

He came to the University of Illinois in 1893 as an Instructor in Philosophy, became an Assistant Professor in 1895 and Professor in 1899. He was Head of the Department of Philosophy for many years. His other administrative duties included those of Acting Dean of the College of Liberal Arts and Sciences for four different periods; Assistant Dean and Acting Dean of the Graduate School; and from 1921-1933, Dean of the Graduate School. He served as Acting President of the University for one year from July, 1933 and retired in 1934. He died in April, 1940, leaving a record of distinguished and dedicated service to the University of Illinois.

The recommendations of the Housing Division are supported by the departments concerned, viz., Home Economics, Mathematics, and the Graduate College. As is customary, the Executive Committee of the University Council has also been consulted, and concurs.

I recommend approval.

Mr. Pogue reported that the Committee on Buildings and Grounds had reviewed these recommendations and supports them.

On motion of Mr. Pogue, the recommendations were approved.

NAMES OF BUILDINGS AT CHICAGO CIRCLE

(37) The Vice-President for the Chicago Undergraduate Division and his Aca-

demic Advisory Committee recommend that buildings under construction at Chicago Circle be named as follows:

Classroom Buildings—Abraham Lincoln, Stephen A. Douglas, Lorado Taft, Daniel Burnham, Jane Addams, Ulysses S. Grant, and Thomas Jefferson. Functional names are not feasible since these buildings all serve the same purpose. The names have been selected from a long list of statesmen and contributors to the arts and to social progress identified with the history of Illinois and of Chicago.

Administration and Staff Building—University Hall

Lecture Center—Lecture Center

Illini Union—Illini Union

Engineering and Science Laboratories—Science and Engineering Laboratories

I recommend approval.

Mr. Pogue reported that the Committee on Buildings and Grounds had reviewed these recommendations and supports them.

On motion of Mr. Swain, the recommendations were approved.

MEMORIAL TO FRANCES MYERS BAUER

Mr. Swain read the following and moved its adoption:

Resolution

WHEREAS, since the last meeting of the Board of Trustees of the University of Illinois, Fran Myers Bauer who has covered the meetings of the Board for her newspaper, *The News-Gazette*, has passed on; and

WHEREAS, her record shows that she was a great friend of the University and a dedicated newspaper woman over many years and one who has ably reported our proceedings for approximately forty years;

Now Therefore Be It Resolved in recognition of her contribution to our great University and her great interest in the University of Illinois, we, the Board of Trustees, hereby express our deep sorrow upon her passing as she will be greatly missed by all of us.

This resolution was unanimously adopted.

DEGREES CONFERRED IN JUNE, 1964

The Secretary presented for record the following lists of degrees conferred on candidates at the Medical Center campus on June 11, 1964, and on the other dates indicated, and on candidates at the Urbana-Champaign campus on June 13, 1964, in accordance with the authorization of the Board of Trustees.

Summary

Honorary Degrees, conferred at Urbana:

Doctor of Fine Arts.....	1
Doctor of Music.....	1
Doctor of Science.....	1
<i>Total, Honorary Degrees.....</i>	<i>(3)</i>

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	162
Doctor of Education.....	20
Doctor of Musical Arts.....	1
Master of Arts.....	146
Master of Science.....	390
Master of Music.....	10
Master of Education.....	107
Master of Social Work.....	44
Master of Fine Arts.....	8
Master of Laws.....	1
Master of Architecture.....	7
Master of Accounting Science.....	19
Master of Business Administration.....	17

Master of Comparative Law	1
Master of Extension Education	2
Advanced Certificate in Education	19
Advanced Certificate in Music Education	1
<i>Total, Graduate College</i>	(955)
Degrees in Law, conferred at Urbana :	
Bachelor of Laws	59
Degrees in Veterinary Medicine, conferred at Urbana :	
Bachelor of Science	41
Doctor of Veterinary Medicine	39
<i>Total, Veterinary Medicine</i>	(80)
Baccalaureate Degrees, conferred at Urbana :	
Bachelor of Science, College of Agriculture	211
Bachelor of Science, College of Engineering	365
Bachelor of Arts, College of Liberal Arts and Sciences	634
Bachelor of Science, College of Liberal Arts and Sciences	316
Bachelor of Science, College of Education	219
Bachelor of Science, College of Commerce and Business Administration ..	289
Bachelor of Science, College of Journalism and Communications	69
Bachelor of Architecture, College of Fine and Applied Arts	62
Bachelor of Fine Arts, College of Fine and Applied Arts	59
Bachelor of Music, College of Fine and Applied Arts	3
Bachelor of Science, College of Fine and Applied Arts	30
Bachelor of Arts, College of Physical Education	1
Bachelor of Science, College of Physical Education	62
<i>Total, Baccalaureate Degrees</i>	(2,365)
<i>Total, Degrees Conferred at Urbana</i>	(3,462)
Honorary Degrees, conferred at Chicago :	
Doctor of Arts	1
Degrees in the Graduate College, conferred at Chicago :	
Doctor of Philosophy	15
Master of Science	38
<i>Total, Graduate College</i>	(53)
Degrees in Dentistry, conferred at Chicago :	
Bachelor of Science	50
Doctor of Dental Surgery	83
<i>Total, Dentistry</i>	(133)
Degrees in Medicine, conferred at Chicago :	
Bachelor of Science in Occupational Therapy	14
Doctor of Medicine	182
<i>Total, Medicine</i>	(196)
Degrees in Nursing, conferred at Chicago :	
Bachelor of Science	42
Degrees in Pharmacy, conferred at Chicago :	
Bachelor of Science	48
<i>Total, Degrees Conferred at Chicago</i>	(473)
<i>Total, Urbana and Chicago</i>	(3,935)

Degrees Conferred at Urbana

HONORARY DEGREES

Degree of Doctor of Music

MARIAN ANDERSON, D.Mus., D.F.A.

Degree of Doctor of Fine Arts

LUDWIG MIES VAN DER ROHE, D.Eng., LL.D.

Degree of Doctor of Science

WILLIAM ALBERT NOYES, JR., D.ès. Sc., Doctorat Honoris Causa, University of Paris; D.Sc.

GRADUATE COLLEGE**Degree of Doctor of Philosophy***In Accountancy*

ARTHUR DAVID KARLIN, B.S., New York University, 1961; M.S., 1962

In Agricultural Economics

DARREL A. NASH, B.S., Colorado State University, 1958; M.S., Montana State College, 1960

In Agronomy

HARRY LEE MOTTO, B.S., Purdue University, 1957; M.S., 1959

EUGENE GLEN SIEMER, B.S., M.S., Colorado State University, 1950, 1961

WILLIAM JOEL STARNES, B.S., Purdue University, 1958

FRANK DUANE WHISLER, B.S., M.S., West Virginia University, 1957, 1958

In Animal Science

RIEMOND HENRY RIPPEL, JR., B.S., M.S., Southern Illinois University, 1959, 1960

In Biophysics

DANIEL RUBINSTEIN, B.S., M.S., 1958, 1960

RONALD JOSEPH SWALLOW, B.S., 1956

In Botany

MARGARET KAIN BALBACH, A.B., Emmanuel College, 1946; A.M., Radcliffe College, 1950

DONALD ALVIN LEVIN, B.S., M.S., 1960, 1962

THOMAS NORWOOD TAYLOR, A.B., Miami University, 1960

In Business

SHAWKI HUSSIEN ABDALLAH, B.Com., M.Com., Cairo University, 1952, 1958

SAMI MOHAMED ABDELLA, B.Com., Cairo University, 1957; M.S., 1962

NAZIR AHMAD ANSARI, B.Com., M.Com., Banaras Hindu University, 1955, 1957

JACK CRAIG ROUTSON, B.S., M.S., University of Colorado, 1947, 1948

DANIEL ALAN WREN, B.S., M.S., University of Missouri, 1954, 1960

In Ceramic Engineering

JAMES FREDERICK BENZEL, B.Cer.E., Georgia Institute of Technology, 1957; M.S., 1963

CHARLES KRUMBACH RUSSELL, B.S., M.S., 1951, 1953

In Chemical Engineering

RICHARD BERT AUST, B.S., Carnegie Institute of Technology, 1960; M.S., 1962

LEONARD SELWYN COHEN, B.S., Tufts University, 1957; M.S., Massachusetts Institute of Technology, 1959

RICHARD LARRY MERSON, B.S., University of California (Berkeley), 1960; M.S., 1962

In Chemistry

SONIA RUTH ANDERSON, B.S., University of Nebraska, 1961

GILBERT WITTEN BURTON, B.S., University of California (Berkeley), 1958

SHIRLEY SHIAO-LING CHEN, B.S., National Taiwan University, 1960; M.S., Ohio University, 1961

MELVIN LEE FARMER, A.B., Harvard College, 1960

WILLARD WAYNE HARRISON, A.B., A.M., Southern Illinois University, 1958, 1960

WARREN WOOD LANIER, JR., B.S., University of Georgia, 1959; M.S., 1961

THOMAS MELVILLE LATTI, A.B., Princeton University, 1960; M.S., 1962
 BRIAN RUSS O'CONNOR, B.S., Massachusetts Institute of Technology, 1960
 ALAN NEWTON SCOTT, B.Mus., A.B., Northwestern University, 1951, 1958; M.S., 1962
 ALLAN RUDOLPH STEIN, B.S., University of Alberta, 1960
 JACOB JOHN UEBEL, A.B., Carthage College, 1959; M.S., 1961
 JACK ALAN WINSTEAD, B.S., University of Kentucky, 1954; M.S., Oklahoma State University, 1959

In Civil Engineering

AMOS ATLAS, B.S., Ingenieur, Technion, Israel Institute of Technology, 1951, 1952; M.S., 1958
 RONALD EUGENE BUCKNAM, A.B., B.S., Tufts University, 1958, 1959; M.S., 1960
 JORGE ISAAC BUSTAMANTE, Civil Engineer, National Autonomous University of Mexico, 1956; M.S., 1957
 BERNARD ANTHONY DONNELLAN, B.E., University College (Dublin), 1955; M.S., University of Alberta, 1959
 STEWART WILLARD JOHNSON, B.S., South Dakota State College, 1956; A.B., University of Maryland, 1961; M.S., 1962
 VANGALAMPALAYAM CHELLAPPAGOUNDER KULANDAISWAMY, B.Eng., Andhra University, 1951; M.Tech., Indian Institute of Technology, 1956
 WALTER PARKER MOORE, JR., A.B., B.S., Rice Institute, 1959, 1960; M.S., 1962
 SUNDARESA RAMASESHAN, B.Eng., University of Madras, 1957; M.S., 1961
 DENNIS HENRY SAPP, B.S., M.S., 1955, 1959
 DONALD ROY SHERMAN, B.S., M.S., Case Institute of Technology, 1957, 1960

In Communications

HERBERT GOODRICH, B.S., City College of New York, 1948; A.M., Pennsylvania State University, 1950
 THOMAS HENRY GUBACK, A.B., Rutgers, the State University, 1958; M.S., 1959

In Dairy Science

EVAN EARL JONES, B.S., Colorado State University, 1960; M.S., 1962
 FRANK ALWIN VERLEY, B.S., University of Connecticut, 1959; M.S., 1960

In Economics

GEORGE FRANKLIN CURRIE, A.B., Wilberforce University, 1949; A.M., 1951
 WARREN CLAYTON HALL, JR., B.S., A.M., University of Missouri, 1954, 1955
 ARLYN JAMES LARSON, Ph.B., A.M., University of North Dakota, 1955, 1956
 EUGENE ALBERT PHILIPPS, B.S., M.S., 1958, 1960
 LARRY GENE SCONTZ, A.B., College of Wooster, 1958; A.M., 1961
 FA-CHUN SHEN, LL.B., National Wu-Han University, 1944; A.M., University of California (Los Angeles), 1951
 THOMAS MARTIN STEVENSON, JR., A.B., A.M., Southern Illinois University, 1956, 1959

In Education

GEORGE BRABNER, JR., A.B., Yale University, 1948; M.S., 1953
 BRIAN STEPHEN CRITTENDEN, A.B., A.M., University of Sydney, 1960, 1962
 KAZUTAKA FURUHATA, A.B., A.M., University of Tokyo, 1954, 1956
 JOHN LINCOLN GINTHER, B.Ed., University of Toledo, 1957; Ed.M., 1962
 GERALD LEE GUTER, A.B., A.M., 1957, 1959
 WILLIAM THOMAS HALE, A.B., Bates College, 1953; Ed.M., 1954
 SAYED AHMED OSMAN, A.B., Cairo University, 1952; M.S., 1961
 PAUL LIMING SCHWADA, B.S., Northeast Missouri State Teachers College, 1938; Th.B., Olivet Nazarene College, 1941; A.M., University of Chicago, 1943

In Electrical Engineering

HERBERT MARVIN BARNARD, B.S., M.S., Texas A & M University, 1955, 1960
 KENNETH EDWARD BATCHER, B.S., Iowa State University of Science and Technology, 1957; M.S., 1962
 SHIH-MEI CHENG, B.S., National Taiwan University, 1957; M.S., 1961
 JAMES EDWARD DEGENFORD, B.S., M.S., 1960, 1961
 RALPH RICHARD HODGES, JR., B.S., M.S., 1955, 1957

- MATTHEW KABRISKY, B.E.E., M.E.E., Polytechnic Institute of Brooklyn, 1951, 1952
ROBERT KEITH LIKUSKI, B.S., University of Alberta, 1959; M.S., 1961
JOHN PHILIP MCCLURE, B.S., M.S., 1958, 1959
HWA-SUNG HSIEH NA, B.S., National Taiwan University, 1958; M.S., 1961
JAMES RICHARD PACE, B.S., M.S., 1959, 1960
JOHN MATTHEW SCHNEIDER, B.S., M.S., 1959, 1960
HARRY ALFRED SHUBERT, B.S., M.S., 1957, 1958
SOE MYINT WIN, B.S., M.S., 1957, 1958

In English

- RONALD EUGENE BUCKALEW, A.B., College of Wooster, 1957; A.M., 1959
PAULINE SUE DRAWVER, A.B., A.M., University of Oklahoma, 1939, 1940
GEORGE ROBERT GUFFEY, B.S., Bowling Green State University, 1958; A.M., 1960
HELEN ELLIS HAWORTH, A.B., Rollins College, 1949; A.M., 1952
MARY ALICE HEAGARTY, A.B., Seton Hill College, 1958; A.M., 1960
ROBERT CARL JOHNSON, A.B., Monmouth College, 1959; A.M., 1960
RONALD CONANT JOHNSON, A.B., A.M., 1952, 1957
MARGARET CLARE SCHLAEGER, A.B., A.M., 1955, 1957

In Entomology

- REINHART ALBERT BRUST, B.S., M.S., University of Manitoba, 1959, 1960
EARL ALFRED STADELBACHER, A.B., Southern Illinois University, 1956

In Food Science

- MASANOBU JANADO, B.Agr., Miyazaki University, 1958; M.Agr., Kyoto University, 1960
MURRAY JAYE, B.S.A., University of Georgia, 1959; M.S., 1961

In Geography

- WILLIAM ARTHUR VALENTINE CLARK, A.B., A.M., University of Canterbury, 1960, 1961
JAMES ROBERT McDONALD, A.B., Antioch College, 1955; A.M., 1956

In Geology

- PETER ALEXANDER CARR, A.B., University of Toronto, 1959
REGINALD HUGH GRICE, A.B., A.M., University of Cambridge, 1949, 1954
SAMUEL SEH-SHUE LEUNG, B.S., National Taiwan University, 1957; M.S., 1960
WILLIAM ALLISON MENELEY, B.Eng., M.S., University of Saskatchewan, 1956, 1960
JAMES HERBERT SHEA, B.S., M.S., University of Wisconsin, 1958, 1960

In History

- DAVID ROGER WRONE, B.S., A.M., 1958, 1959

In Horticulture

- NAIL H. ÖZEROL, Agr.Engr., Ankara University, 1956; M.S., 1960

In Library Science

- MOHAMED MOHAMED EL-HADI, A.B., Cairo University, 1957; M.S., 1960
LAUREL ANN GROTZINGER, A.B., Carleton College, 1957; M.S., 1958
JESSIE CARNEY SMITH, B.S., Agricultural and Technical College of North Carolina, 1950; A.M., Michigan State University, 1956; A.M., George Peabody College for Teachers, 1957

In Mathematics

- EDWARD STUART EBY, B.S., M.S., 1956, 1957
STANLEY PHILLIP GUDDER, B.S., Washington University, 1958; M.S., 1960
ANN HARRIS IHRIG, A.B., A.M., 1960, 1960
JINGYAL PAK, B.S., Kent State University, 1956; M.S., 1959
JAMES FREDERICK PHELAN, B.S., United States Naval Academy, 1940; M.S., 1950
LENA CHANG PU, B.S., M.S., 1958, 1960
ALLAN STANLEY REHM, B.S., M.S., 1958, 1959

KEITH AYLWIN ROWE, A.B., University of Toronto, 1953; M.S., University of Wisconsin, 1956
WILSON EUGENE SINGLETARY, B.S., Black Hills Teachers College, 1952; M.S., Oklahoma State University, 1960

In Mechanical Engineering

MEHDI NEJAD BAHADORI, Diploma, Teheran University, 1956; M.S., University of Wisconsin, 1959
DANIEL GENE BARBEE, B.S., M.S., 1959, 1961
JOHN OTTO BECKER, B.S., M.S., 1960, 1961
CHIEN FAN, B.S., National Taiwan University, 1954; M.S., 1958
STEPHAN ANTHONY KONZ, B.S., M.B.A., University of Michigan, 1956, 1956; M.S., State University of Iowa, 1960
JUIN SHENG YU, B.S., National Taiwan University, 1957; M.S., Kansas State University, 1961

In Metallurgical Engineering

JOHN ARTHUR YTTERHUS, B.S., M.S., Illinois Institute of Technology, 1954, 1955

In Microbiology

PETER KARL HOLMES, A.B., Bowdoin College, 1956; A.M., Wesleyan University, 1958

In Mining Engineering

ROBERT WALTER HEINS, B.S., M.S., University of Missouri School of Mines and Metallurgy, 1949, 1950
GIUSEPPE ENRICO RATTI, Doctor in Mining Engineering, Polytechnical School of Turin, 1959

In Nuclear Engineering

ROBERT LOUIS HIRSCH, B.S., 1958; M.S.E., University of Michigan, 1959

In Physical Education

FLORENCE PATRICIA CULLEN, B.S., Illinois State University at Normal, 1945; A.M., State University of Iowa, 1954
BRUCE JACK NOBLE, B.S., A.M., Michigan State University, 1956, 1957
JOHN TALBOT POWELL, Diploma, Loughborough Training College, 1948; M.S., 1957
KARL GEORGE STOEDFALKE, B.S., M.S., University of Wisconsin, 1952, 1956

In Physics

DAVID CHARLES AILION, A.B., Oberlin College, 1956; M.S., 1958
FRANK ANDREW FRANZ, B.S., Lafayette College, 1959; M.S., 1961
DAVID WALTER HAFEMEISTER, B.S., Northwestern University, 1957; M.S., 1960
KAY KEIJI KANAZAWA, B.S., University of California (Los Angeles), 1957; M.S., 1959
HERBERT WAYNE KUEHNE, B.S., M.S., 1954, 1956
DAVID NIEMAN PIPKORN, B.S.E., Princeton University, 1958; M.S., 1960
JAMES DAVID SIMPSON, B.S., Massachusetts Institute of Technology, 1959; M.S., 1961
NELSON STEIN, B.S., City College of New York, 1957; M.S., 1958
WAYNE EARL TEFFT, A.B., University of Kansas, 1956; M.S., 1958
TAEK-SOON YOON, B.S., M.S., Seoul National University, 1953, 1955; M.S., Southern Illinois University, 1956

In Physiology

EDWARD JOSEPH DEVILLEZ, B.S., Xavier University, 1959; M.S., University of Miami, 1961
MARSHALL GENE ELZINGA, A.B., Hope College, 1960; M.S., 1963

In Plant Pathology

DAVID SERGE WYSONG, B.S., M.S., Colorado State University, 1959, 1961

In Political Science

ALVIN DAVID SOKOLOW, B.S., A.M., 1956, 1958

In Psychology

- THOMAS JOSEPH D'ZURILLA, A.B., Lafayette College, 1960; A.M., 1962
 JOHN EDWARD HUNTER, B.S., University of New Mexico, 1961; A.M., 1963
 GERALDINE JOAN KOMOSA PIORKOWSKI, B.S., A.M., 1958, 1961
 PETER HANS SCHÖNEMANN, Vordiplom, University of Munich, 1956; Hauptdiplom, University of Göttingen, 1959
 JOHN HENRY THOMPSON, A.B., Fresno State College, 1960

In Sanitary Engineering

- NILAY CHAUDHURI, B.Eng., University of Calcutta, 1953; M.Eng., Jadavpur University, 1961
 CALVIN PO CHUEN POON, B.S., National Taiwan University, 1958; M.S., University of Missouri, 1960

In Sociology

- BRUCE KENT ECKLAND, B.S., A.M., 1957, 1960

In Spanish

- MARION PERRY HOLT, A.B., Wofford College, 1949; A.M., Vanderbilt University, 1950

In Speech

- TURNER WILSON EDGE, A.B., University of Delaware, 1955; A.M., Cornell University, 1957
 GEORGE ALBIN REMINGTON, A.B., A.M., 1946, 1952
 HADDON WILLIAM ROBINSON, A.B., Bob Jones University, 1951; M.Th., Dallas Theological Seminary, 1955; A.M., Southern Methodist University, 1960

In Theoretical and Applied Mechanics

- WILLIAM BENJAMIN BICKFORD, B.S., M.S., Kansas State University, 1960, 1961
 RONALD BERT CARR, B.S., Oregon State University, 1960; M.S., Virginia Polytechnic Institute, 1963
 ROBERT MILLARD JONES, B.S., M.S., 1960, 1961
 JOHN ALGIMANTAS KASUBA, B.S., Rutgers, the State University, 1960; M.S., 1961
 ALPHIA EUGENE KNAPP, B.S., M.S., Kansas State University, 1951, 1961
 VERNE LOUIS ROBERTS, B.S., University of Kansas, 1960; M.S., 1961
 GEORGE EARL SLITER, B.C.E., Manhattan College, 1960; M.S., 1962
 GEORGE TAKASHI TAOKA, B.S., Oregon State College, 1958; M.S., 1960
 DALE BRUCE TAULBEE, B.S., M.S., Michigan State University, 1958, 1960

In Veterinary Medical Science

- JAMES EDWARD FITZGERALD, B.S., D.V.M., M.S., 1953, 1955, 1962
 EDWIN IVAN PILCHARD, D.V.M., Michigan State University, 1947; M.S., 1959

In Zoology

- JACQUES BERGER, B.S., Pennsylvania State University, 1955; M.S., 1958

Degree of Doctor of Education*In Education*

- DONALD WAYNE BUCKLEY, B.S., Western Illinois University, 1946; Ed.M., 1953
 DAVID FRANKLIN BYRNE, B.S., M.S., 1948, 1949
 JAMES DUDLEY, A.B., M.S., Southern Illinois University, 1951, 1957
 ROBERT L. EVANS, B.S., Northern Illinois University, 1950; M.S., 1951
 WALTER JAMES FOLEY, B.Ed., Ed.M., Chicago Teachers College, 1957, 1961
 DALE G. HARDMAN, B.S., Brigham Young University, 1943; A.M., University of Chicago, 1951
 ROBERT LEE JOZWIAK, B.S., Miami University, 1953; Ed.M., 1957
 WILLIAM MATTHIAS, JR., A.B., Eureka College, 1950; Ed.M., 1952
 CAROLYN MAE NEAL, A.B., A.M., San Francisco State College, 1951, 1960
 ROBERT ANDREW PRINGLE, A.B., Lake Forest College, 1950; A.M., 1955
 GEORGE WESLEY PRUITT, B.S., University of Missouri, 1955; Ed.M., 1958
 MICHAEL EDWARD SESTAK, B.S., M.S., Western Illinois University, 1952, 1953
 RONALD WILLIAM SIMCOX, A.B., Aurora College, 1956; Ed.M., Miami University, 1959

ARTHUR ROBERT WILLIAMSON, B.Ed., Keen Teachers College (New Hampshire), 1951; A.M., Ball State Teachers College (Indiana), 1957

In Music Education

WAYNE ORION AURAND, A.B., State College of Iowa, 1948; M.Mus., University of Michigan, 1949

WILLIAM VERNON ESTES, A.B., George Pepperdine College, 1951; Ed.M., University of Missouri, 1957

ROBERT FRANCIS KING, JR., B.S., Ohio State University, 1945; M.Mus., Eastman School of Music, 1950

THOMAS ELBERT NEICE, B.S., Western Illinois University, 1950; M.S., 1958

WARREN HENRY SCHUETZ, B.S., M.S., 1948, 1949

ROBERT CLIFFORD SMITH, B.S., M.S., 1952, 1955

Degree of Doctor of Musical Arts

WILLIAM HUNTER HEILES, B.Mus., Oberlin College, 1958; M.Mus., 1961

Degree of Master of Arts

In Anthropology

MARGUERITE MARIE VERLEY, A.B., 1959

In Art Education

SHARON LAPPIN LUMSDEN, B.F.A., 1957

In Art History

VIRGINIA ANN LAMBERT BODINE, B.S., Bradley University, 1962

In Classics

HENRY EUGENE CHARLES, A.B., 1960

PHILIP CLARENCE DUST, A.B., Saint Mary of the Lake Seminary, 1959; B.S., Eastern Illinois University, 1961

In Economics

ARTHUR EUGENE ABRASSART, B.S., Illinois Institute of Technology, 1963

KEITH HERBERT JOHNSON, B.S., 1963

CHARLES RANDOLPH WILLIAMS, A.B., Southern University, 1961

In Education

DANIEL CHARLES EIERDAM, A.B., 1959

NUANPEN KOSOLSRETH, A.B., Chulalongkorn University (Thailand), 1954; Ed.M., College of Education (Bangkok), 1960

GEORGE WILLIAM KRIEGER, A.B., City College of New York, 1961

MARCIA GERRIB WEBER, A.B., 1961

In English

LESLIE EDWARD BURNS, A.B., University of Chicago, 1962

VIKTORS GEISLERS, A.B., Illinois Wesleyan University, 1962

MARIE CHRISTINE HENNEDY, B.S., St. John's University, 1962

MICHAEL ANDREW HOLLINGTON, A.B., University of Cambridge, 1963

PETER LEONHARD JOHNSON, A.B., 1963

ALBERT DAVID LAW, JR., A.B., Wayne State University, 1962

LINDA PRITCHARD, A.B., University College of Wales, 1963

GAIL ANN THOMAS REEVE, B.S., Illinois State University at Normal, 1961

LEON FRANCIS SELTZER, A.B., Temple University, 1962

SERMCHITR SINHASANI, A.B., A.M., Chulalongkorn University (Thailand), 1955, 1959

NAOMI SUCONICK, A.B., University of Pennsylvania, 1963

GERALD FRANCIS TIETZ, B.S., 1960

RUTH LOUISE WIDMANN, A.B., University of Wisconsin, 1963

In French

PETER RICHARD CALDWELL, A.B., Washburn University, 1961

ELIZABETH ANN CRABTREE, A.B., 1963
JUDITH ANN DIVER, A.B., Purdue University, 1962
DAVID LEE RUBIN, A.B., University of Tennessee, 1962
ANDREE PELLEGRIN SLACK, A.B., 1963
ANN LUCINDA WALBRIDGE, A.B., Shimer College, 1962
CONSTANCE KAY WOLTER, A.B., Lindenwood College, 1963

In Geography

DAVID MYRON TENNY, A.B., 1962

In German

BARBARA JANE BLOOMER, A.B., St. Olaf College, 1956

In History

VICTOR BAHMET, A.B., 1957
JUDITH HEWETT BEISNER, A.B., Millikin University, 1962
JOHN EDWARD BELL, A.B., Roosevelt University, 1958
NANCY LOU DAWSON, B.S., Kent State University, 1961
RICHARD BLAKE ELROD, A.B., Lincoln University (Missouri), 1963
ROBERT AUGUST JUNGSMANN, A.B., Lake Forest College, 1958
ZABULONI KABAZA, A.B., Wheaton College, 1963
THOMAS JAMES KRAL, A.B., Carleton College, 1963
MY CHUONG PHAN, A.B., 1962
THOMAS BURTON RAINEY, JR., A.B., University of Florida, 1962
RONALD DEANE RIETVELD, A.B., Wheaton College (Illinois), 1959; B.D., Bethel Theological Seminary, 1962
MARLIN TIMOTHY TUCKER, A.B., David Lipscomb College, 1963
SUCHITRA VUTHISATHIRA, A.B., Clark University, 1962
MICHAEL WINTERS WHALON, A.B., Bowdoin College, 1963

In Labor and Industrial Relations

YOZO DOSHO, A.B. in Law (Political Science), A.B. in Law (Public Law), University of Tokyo, 1955, 1957
HENRY WILLIAM HEUNEMANN, A.B., Seton Hall University, 1958
KARL JOHN KLEIN, A.B., Aurora College, 1962
WARREN R. NIELSEN, B.S., University of Utah, 1962
HERBERT THEODORE ROSBY, B.S., Wisconsin State College (Stevens Point), 1961
HOWARD JOSEPH RUNYAN, JR., A.B., Grinnell College, 1955

In Linguistics

MITZI SUSAN GROPPER, A.B., Harpur College, 1962
RONALD WAYNE LANGACKER, A.B., 1963

In Mathematics

FINIS DUDLEY AKIN, B.S., Memphis State College, 1958
JOSEPH AUSTIN APPLEBAUM, A.B., Columbia University, 1963
SHARON LEE BROWN, B.S., General Beadle State Teachers College, 1955
SIDNEY CLAIR BUFFINGTON, A.B., State College of Iowa, 1960
CHARLES PATRICK COLLIER, B.S., Wisconsin State College (Stevens Point), 1959
STANLEY COTTER, A.B., A.M., University of California (Berkeley), 1956, 1957
RICHARD CUTTS, B.S., Wisconsin State College (Stevens Point), 1960
FRANCIS EDWIN EKDAHL, B.S., Northern Michigan College, 1960
GUS LEE FRANKLIN III, B.S., Eastern Kentucky State College, 1959; M.S., Indiana University, 1960
ROY EVAN GARLAND, B.S., Millersville State College, 1953
SANDRA SISSON GOSSUM, B.S., Murray State College, 1960
GEORGE VINCENT GRIMES, A.B., St. Joseph's College (Pennsylvania), 1955
JEAN HALL, B.S., University of London, 1959
MARIE THERESE HANK, A.B., St. Mary's College (Indiana), 1962
RICHARD ROMAN HARTMAN, B.A.E., B.S., A.M., University of Minnesota, 1944, 1951, 1961
WILLIAM JOSEPH HERBER, B.S., University of Notre Dame, 1958; M.S., University of Washington, 1959

ROBERT WALTER JOES, B.S., University of Southern Mississippi, 1956
 CHARLES HARLAN JOSEPHSON, A.B., Augustana College (South Dakota), 1954
 ZAVEN ALBERT KARIAN, A.B., American International College, 1962
 MARVIN WILLIAM KARLIN, B.S., University of Arizona, 1953; Ed.M., University of California (Los Angeles), 1955
 JONATHAN ELMER KNAUPP, B.S., Oregon State University, 1960
 GERALD ADRIAN LEHMANN, B.S., M.A.T., Michigan State University, 1955, 1960
 JOHN FRANK LUCAS, B.S., Wisconsin State College (Stevens Point), 1960
 RONALD DEAN MOEHLIS, A.B., State College of Iowa, 1959
 RICHARD FREDRICK MONNARD, B.S., Illinois State University at Normal, 1960
 STEVEN ALFORD MOSS, B.S., M.S., University of Utah, 1957, 1959
 CECIL PAUL MURRAY, B.S., Pennsylvania State College (California), 1960
 NORMAN NEIBUHR NELSON, B.S., Eastern Oregon College, 1959
 JAMES PARK PAIGE, A.B., Hastings College, 1960
 HARRY CLARENCE ROSENBERG, A.B., A.M., Colorado State College, 1956, 1957
 RICHARD LEWIS ROSENBERG, A.B., Rutgers, the State University, 1959
 WILLIAM GEORGE ROUGHEAD, JR., B.S., M.S., Illinois State University at Normal, 1958, 1958
 SHEILA PHYLLIS RYAN, B.S., Le Moyne College, 1960
 SISTER MARY KRISTIN FELLIN, A.B., Mount St. Scholastica College, 1955
 SISTER M. ST. MARGARET PUMPHRET, A.B., Regis College, 1960
 ALTON LOYD SMITH, B.S., Middle Tennessee State College, 1958
 NEAL RICHARD WAGNER, A.B., University of Kansas, 1962
 RICHARD CHARLES WEIMER, B.S., Pennsylvania State College (California), 1960
 HOYAL BURNICE WEST, A.B., Berry College, 1955; A.M., George Peabody College for Teachers, 1958
 JACK WILLIAM WILKINSON, B.S., Northeast Missouri State Teachers College, 1960
 OWEN EDWARD WRZESZCZ, B.S., Northern Illinois University, 1960
 JOSEPH GEORGE WYLDER, JR., B.S., Western Illinois University, 1959

In Philosophy

KUANG TIH FAN, A.B., 1961
 KEITH EDWARD HALBASCH, B.S., Northwestern University, 1962

In Political Science

RICHARD ELLIOT ANDERSON, B.S., 1957
 YUNG HO PARK, A.B., Montana State University, 1960

In Psychology

RICHARD ALLEN AVNER, B.S., Georgia Institute of Technology, 1961
 ALFRED BRUCE CARLSON, A.B., Vanderbilt University, 1960
 DIRAN DERMEN, B.S., Pennsylvania State University, 1960
 WILLIAM JOSEPH HIGGS, A.B., University of Nebraska, 1960
 RAYMOND PIERRE KESNER, B.S., Wayne State University, 1962
 CHARLES HENRY MADSEN, JR., A.B., Brigham Young University, 1958
 ROBERT BOOTH MCCALL, A.B., DePauw University, 1962
 WILLIAM FRANKLIN McDONALD, B.S., University of Notre Dame, 1958
 L. MICHAEL NEWMAN, B.S., Wayne State University, 1962

In Russian

TAMARA PERSIDSKI KULIKAUSKAS, B.F.A., 1961
 PETER FOWLER HOPKINS PRIEST, A.B., 1962
 LAURENCE RAYMOND RICHTER, A.B., 1963
 ANNA TYMOSZENKO, A.B., 1961
 KENNETH BERNELL WURZBURGER, A.B., 1962

In Social Sciences

PATRICK EDWARD REA, B.S., 1963
 DOUGLAS LLOYD SCHAEFER, B.S., Northwestern University, 1963

In Sociology

JAMES ROGERS CONRAD, A.B., 1962
 BRYAN SIDNEY GREEN, A.B., University of Exeter, 1958

EFROSINI PERGIUDAKI JOHN, A.B., MacMurray College, 1957
HELEN CONSTANTINE LAMBRAKIS, A.B., 1958

In Spanish

VITO NICHOLAS BENIVEGNA, B.S.S., Fairfield University, 1957
EDWARD EROS BORSOI, B.S., University of Bridgeport, 1959
GERMAN DARIO CARRILLO SARMIENTO, Licenciado, Universidad Pedagogica de Colombia, 1960
MODESTO MARIO DIAZ HERNANDEZ, A.B., Colby College, 1962
ALAN GARFINKEL, A.B., 1963
MILO CHARLES PIERCE, A.B., Michigan State University, 1958
RUTH MARY ROGERS, A.B., University of Kansas, 1962
JANE URBAN TAYLOR, A.B., Northwestern University, 1962
GAIL JEANETTE THORSTENSON, A.B., Monmouth College, 1962
THOMAS WASHINGTON, JR., A.B., 1961
JOAN MARIAN ZONDERMAN, A.B., Rutgers, the State University, 1962

In Speech

GEORGE-ANN ADAMS, A.B., Denison University, 1962
MARGO GEORGIA CALAMARAS, A.B., University of Wisconsin, 1962
LINDA JEAN EVANS, A.B., 1962
HARRY NOEL GILBERT, A.B., LaVerne College, 1958
RICHARD MASATO KATAOKA, A.B., 1962
DAVID HARRY KIESERMAN, A.B., New Jersey State Teachers College (Montclair), 1958
ANTHONY ERIC LINCOLN, A.B., Carleton College, 1959
JOAN LOUISE SAFRAN, A.B., Barat College of the Sacred Heart, 1963
SISTER MARY LUCILLE COLLINS, A.B., St. Xavier College, 1962

In the Teaching of English

LYNN VITEK BAKER, A.B., Lake Forest College, 1963

In the Teaching of Social Studies

HOWARD MARTIN BERS, A.B., 1963

In the Teaching of Speech

WILLIAM ROSS ATCHISON, B.S., Pennsylvania State College (Clarion), 1961
ROSE ANN LEMAK, A.B., Elmhurst College, 1961

Degree of Master of Science

In Accountancy

OSCAR WHITFIELD BROOME, JR., A.B., Duke University, 1962
TALAAT ABDEL-RAHMAN EL-SHAZLY, B.Com., Cairo University, 1960
SHASHANA HERSCHLER SCHAAR, B.S., Millikin University, 1961
KENNETH IRA SOLOMON, B.S., 1963
VOLKER WITTMANN, Diploma, Technical University of Darmstadt, 1961

In Advertising

ALAN DONALD FLETCHER, A.B., University of Georgia, 1962
ROGELIO PASIMIO OLIVARES, A.B., Ateneo de Manila, 1959
ELEANOR MADGE STRICKLAND, A.B., University of Georgia, 1963
PHILIP HARRY WENZ, B.S., 1962

In Aeronautical and Astronautical Engineering

FRED DAN FERNANDES, B.S., 1963
RALPH BARRY GILBERT, B.S., 1962
THOMAS JAMES MCDANIEL, B.S., 1962
CURTIS FRANKLYN VAIL, B.S., 1962
WILLIAM VELJOVICH, B.S., 1962

In Agricultural Economics

GOTTFRIED ABLASSER, Diplom-Ingenieur, University of Vienna, 1962
CARLOS VENDER-DROGUETT, Ingeniero Agrónomo, Pontificia Universidad Católica de Chile, 1960

In Agricultural Engineering

DOUGLAS BERT BAULING, B.S. (Agricultural Science), B.S. (Agricultural Engineering), 1962, 1962
DOUGLAS LEROY BOSWORTH, B.S., Iowa State University, 1962
ROSCOE LOUIS PERSHING, B.S., Purdue University, 1962

In Agronomy

ANTHONY AKINOLA AGBOOLA, B.S., 1963
EDWARD JAMES DUNPHY, B.S., 1962
RALPH JEROME EDWARDS, B.S., 1955
GERALD KIDDER, B.S., University of Southwestern Louisiana, 1961
MICHAEL ANTHONY KIRKMAN, B.S., University of Nottingham, 1961
WILLIAM OLIVER MCILRATH, B.S., 1959
CLYDE FRANK SMITH, B.S., 1960

In Animal Science

RICHARD LEE HUSTON, B.S., 1961
ERNEST DURWARD MAYFIELD, JR., B.S., Southwest Texas State College, 1961
DONALD LESTER MEYER, B.S., 1961
VIRGIL MARLOWE ROSENDALE, B.S., 1957
GERALD THOMAS SCHELLING, B.S., 1963

In Architectural Engineering

DAVID GLENN CHAMP, B.Arch., 1962
STUART KALMAN JACOBSON, B.Arch., 1963
RICHARD GRANVILLE LAXEN, B.Arch., 1963
JAMES EDWARD SIMON, B.Arch., 1963

In Biology

SANDRA LOU BRESSLER, B.S., Albright College, 1960
FRANK HILL HEDGES III, B.S., University of Miami, 1962
SISTER MARION JOHNSON, A.B., St. Francis Xavier College for Women, 1960
JERROLD HOWARD ZAR, B.S., Northern Illinois University, 1962

In Biophysics

WILLIAM ROBERT KLESSE, B.S., 1962
HOWARD HARRISON ROTHMAN, B.S., City College of New York, 1961

In Botany

KENNETH ROBERT DOOLEY, B.S., Purdue University, 1961
DALE BRIAN ENGQUIST, B.S., 1963
JUDITH ANN REIGHARD, B.S., Otterbein College, 1962
EDWARD SPENCER WISE, B.S., Virginia Polytechnic Institute, 1936

In Ceramic Engineering

CHARLES MARTIN ASLAKSEN, B.S., 1963
LAWRENCE LEE MARTIN, B.S., 1963
JERRY ALLEN MOSBARGER, B.S., 1963
WILLIAM HOWARD PAYNE, B.S., 1963
PAUL JAMES ROEDER, B.S., 1963

In Chemical Engineering

RONALD LEE CLENDENEN, B.S., University of California (Berkeley), 1960
RICHARD WALLACE LYNCH, B.S., University of California (Berkeley), 1962
MATTHEW JOHN REILLY, B.S., Carnegie Institute of Technology, 1962

In Chemistry

HERMAN DAVID AXELROD, B.S., University of California (Los Angeles), 1963
ALLAN CLIFFORD BUCHHOLZ, B.S., University of Massachusetts, 1962
FU-MING CHEN, B.S., Tunghai University, 1960
JOSEPH CHARLES DECK, B.S., Duquesne University, 1960
THOMAS PATRICK DOHERTY, A.B., Municipal University of Omaha, 1962
JOE DOUGLAS DRULINER, B.S., University of Arizona, 1962

ROBERT WILLIAM GREEN, B.S., University of California (Los Angeles), 1956
 RONALD ERVIN HACKLER, B.S., Indiana University, 1962
 LINDA LOU KRANCH, B.S., Elizabethtown College, 1962
 RONALD FREDERICK LAMBERT, B.S., Columbia University, 1962
 HAROLD EUGENE LEMAY, JR., B.S., Pacific Lutheran College, 1962
 JANE YOSHIE MIYASHIRO, A.B., University of Hawaii, 1958; A.M., Radcliffe College, 1959
 BRUCE MALCOLM MONROE, A.B., Wabash College, 1962
 JAMES LEE MOORE, B.S., University of Washington, 1959
 RICHARD ARTHUR MUESING, B.S., Mankato State College, 1960
 LINDA HARDY O'CONNOR, B.S., Bucknell University, 1961
 DARRYL KEITH REACH, B.S., Northern Illinois University, 1963
 MARIE LOUISE ROBINSON, A.B., Albion College, 1963
 CAROL ANN RURAK, B.S., University of Massachusetts, 1962
 DONALD CARL THORSTENSON, A.B., Monmouth College, 1962
 WILLIAM LOCHRIDGE WELLS, B.S., University of Kentucky, 1962

In City Planning

HERBERT RAYMOND HAAR, JR., B.S.C.E., Virginia Polytechnic Institute, 1949
 BIR BAL MALIK, B.Arch., Indian Institute of Technology, 1958

In Civil Engineering

GORDON FRANCIS ANDERSON, B.S., University of Alberta, 1962
 DON PAUL ARMSTRONG, B.S., 1963
 DANIEL GEORGE BARNEY, B.S., United States Military Academy, 1961
 JOSEPH ANTHONY BEBEN, B.S., United States Military Academy, 1957
 CHARLES DEFORREST BIGELOW, B.S., University of Texas, 1954
 JERRY DEE BRAND, B.S., 1963
 ROBERT LEON CARTER, B.S., University of Nebraska, 1963
 BERNARD JOHN CASEY, A.B., St. Joseph's College (Indiana), 1962; B.S., 1963
 OWEN SINCLAIR CECIL III, B.S., Carnegie Institute of Technology, 1963
 DAVID ARTHUR CLARKE, B.S., United States Military Academy, 1958
 BRUCE MITCHELL COWAN, B.S., United States Military Academy, 1961
 BO FRANKLYN CRADDOCK, B.S., United States Military Academy, 1958
 LE TRIEU DAU, Engr. Diploma, French Naval Academy, 1957
 DAVID CLEMENT ESCH, B.S., Wisconsin State College and Institute of Technology, 1963
 MOHAMMED JAVAD ESKANDANI, B.S., University of Tennessee, 1961
 DELROY JEPTAH FORBES, B.S., Illinois Institute of Technology, 1964
 JAY CLIFFORD FRANZ, B.S., United States Military Academy, 1959
 RICHARD HOLT GATES, B.S., United States Military Academy, 1960
 JOHN CHARLES GLENNON, B.S., 1963
 WAYNE THOMAS GRUEN, B.S., A.B., 1963, 1963
 MOHAMED FAYIK ABD EL-RAZZAK HOWEEDY, B.C.E., Cairo University, 1959
 CLAUDE HENRY HURLEY, B.S., 1963
 YOUSSEF KHATOUN, B.S., University of Texas, 1963
 ORLANDO ARTHUR KRUEGER, B.S., 1951
 JOHN YOUNG LAI, B.S., University of the Philippines, 1962
 DONG WOO LEE, B.E., Chosun University, 1959
 YIU-CHUNG LI, B.A.Sc., University of Toronto, 1963
 CHARLES ROBERT MAREK, B.S., 1963
 JAMES EDWARD MCNEILL, B.C.E., North Carolina College of the University of North Carolina, 1956
 RICHARD ALBERT MILES, B.S., Utah State University of Agriculture and Applied Science, 1961
 JOHN LEWIS MOONEY, B.S., Drexel Institute of Technology, 1962
 JOHN DOUGLAS MULLIKIN, B.S., Bradley University, 1962
 FARHAD NAGHDI, B.S., 1963
 ROBERT LEROY NICKERSON, B.S., Bucknell University, 1958
 RICHARD EUGENE NORTON, B.C.E., Rensselaer Polytechnic Institute, 1960
 EDWARD SPENCER PERRY, B.S.E., Princeton University, 1956
 RICHARD LOUIS PLAMBECK, B.S., 1963
 QUENTIN D. QUIGLEY, B.S., Oklahoma State University of Agriculture and Applied Science, 1950

COLIN BARRY MACDONALD REED, A.B., University of Cambridge, 1963
JACK HERBERT RIDER, B.C.E., University of Delaware, 1962
JOHN LYNDON ROSENBLAD, B.S., University of Texas, 1963
JAMES BURSE ROYCE, B.S., United States Military Academy, 1961
WILLIAM EUGENE SELTZ, B.S., United States Military Academy, 1961
JOHN ARTHUR TREMORE, B.S., 1962
EMILE WILLIAM JOHN TROUP, B.S., Northeastern University, 1962
WILLIAM AUSTIN WELSH, JR., B.S., Swarthmore College, 1961
RICHARD ROY WHITNEY, B.S., 1963
ROBERT FRANCIS ZIELINSKI, B.S., United States Military Academy, 1961

In Commercial Teaching

VELMA GRACE AMLING, A.B., Valparaiso University, 1958
PEGGY ANN ENGELHARDT, B.S., MacMurray College, 1962

In Dairy Science

WILLIAM ALLEN APPELBAUM, B.S., Cornell University, 1962
SAMUEL ROBERT ATAI, B.S., 1963
HAROLD LELAND KINCAID, B.S., 1962
KUNITAKE KOYAMA, B.S., Hokkaido University, 1959

In Dairy Technology

N. R. SUNDARARAJAN, B.S., University of Madras, 1956

In Economics

ABD ALLAH ABD EL-HALIM-AHMED ABO-BAKER, B.Com., Ain Shams University, 1960
MICHAEL AUBREY STEVENSON BLURTON, B.Com., Sir George Williams University, 1962
EDWIN TREMAIN BRADLEY, JR., B.S., University of Rhode Island, 1962
RICHARD JOHN DEERING, B.S., Carroll College (Wisconsin), 1963
WILLIAM LYNN HOLMES, B.S., 1963
PHAN HUY KIEM, B.S., 1962
MABID ALI MOHAMED MAHMOUD, B.Com., Cairo University, 1960
JOHN BLAIR McMANUS, B.S., Auburn University, 1961
NICHOLAS MICHAS, A.B., University of Alberta, 1963
LANNY EVAN STREETER, A.B., Oberlin College, 1962
MELVILLE ZACUTA WOLFSON, B.S., Louisiana State University (New Orleans), 1963

In Education

BARBARA BISBEE CLARK, A.B., Rockford College, 1957
JOHN ROMNEY PYPER, A.B., Brigham Young University, 1961

In Electrical Engineering

JAMES CHARLES AGUE, B.S., 1963
JOHN JERRY ARMSTRONG, B.S., United States Naval Academy, 1962
ROBERT LEIGH BARNETT, B.S., Case Institute of Technology, 1963; A.B., Oberlin College, 1963
ALBERT GEORGE BREJCHA, B.S., 1963
GARY SANDY BROWN, B.S., 1963
YILMAZ CAN, B.S., University of Kentucky, 1962
THOMAS FREDERICK CECIL, B.S., University of Kentucky, 1962
ARTHUR JOHN COLLMEYER, B.S., 1963
THOMAS FRANCIS CURRAN, B.S., 1960
FRANK RUSSELL DENTON, JR., B.S., State University of New York College at Albany, 1955
RODNEY DWIGHT ELMORE, B.S., 1962
GARY NORMAN FIERSTIEN, B.S., 1963
DALE ARTHUR FOGLE, B.S., 1963
THOMAS EDWARD FORD, B.S., 1963
RODERICK GEORGE FUJAROS, B.S., University of Alberta, 1963
WILLIAM JEFFREY GREGER, B.S., Lafayette College, 1963
RICHARD ELMER HERSKIND, B.S., Northeastern University, 1962

KENNETH JABLINSKEY, B.S., 1963
JOHN TERENCE JACOBS, B.A.Sc., University of Toronto, 1962
WILLIAM QUENTIN JEFFERS, B.S., Massachusetts Institute of Technology, 1961
CHARLES DEAN JOHNSON, A.B., College of St. Joseph on the Rio Grande, 1954;
B.S., United States Air Force Institute of Technology, 1956
JAMES FRANK KAUFFMAN, B.S., University of Missouri School of Mines and
Metallurgy, 1960
WILLIAM FLOYD KEENAN, B.S., 1963
CHONG SUNG KIM, B.S., 1963
JOSEPH MACKOVJAK, B.S., 1961
EDWARD ABRAHAM MARK, B.S., 1963
JOHN EDWARD MORONEY, B.S., 1963
OWEN SMOOT NIBLEY, B.S., United States Military Academy, 1950; A.M., George
Washington University, 1958
WILLIAM JAMES PARKER, JR., B.S., University of Maryland, 1963
FREDERICK ALEXANDER ROBERTS, National Cert., Higher National Cert., Acton
Technical College (London), 1948, 1955
HOLLIS FRANKLIN RYAN, B.A.Sc., University of Toronto, 1962
ROBERT ALLAN SMITH, B.S., University of Alberta, 1963
CARL FREDERICK STUBENRAUCH, B.S., 1962
PAUL GLENNON WEINGAND, B.S., 1963
TOSHIYUKI YAMADA, B.S., University of Tokyo, 1961

In Entomology

JAMES LOUIS KRYSAN, A.B., Iowa State Teachers College, 1961

In Finance

MARVIN ARTHUR HANSEN, B.S., 1960
WILLIAM FREDERICK LANDSEA, B.S., 1961
GORDON PETER WILSON, A.B., 1963

In Food Science

ANTHONY JOSEPH CUTAIA, B.S., 1961
MOON JA KIM, B.S., Seoul National University, 1958
ALBERT JOSEPH LAMBERT, B.S., Loyola University (Illinois), 1960

In Forestry

RONALD LEE RUSSELL, B.S., 1960

In Geology

PETER CHAPIN TRESCOTT, A.B., Williams College, 1962

In Health Education

ARTHUR JUDE TRYBEK, B.S., 1961

In Home Economics

LEONA ANN KOCHER, B.S., 1962
MARY ANNE PURDY WINSTEAD, B.S., University of Kentucky, 1956

In Horticulture

ROY THOMAS GREGORY JENKINSON, B.S., 1963
ARTHUR DALRYMPLE LEASURE, B.S., 1957
RALPH LAWRENCE SNODSMITH, B.S., 1963

In Journalism

JON KURT HAHN, A.B., 1962

In Library Science

LOIS WICKHAM BEEBE, B.S., State University of New York College at Geneseo,
1957
VERNA JUNE CARTER, B.S., Purdue University, 1962
LAURA ALICE CHRISTOPHER, A.B., University of California (Berkeley), 1963
DONALD PAUL CHVATAL, A.B., St. John's University (Minnesota), 1963
MARGARET ROSALIE CUNEO, A.B., Mills College, 1962

MARGARET CHRISTY DANZIGER, B.Mus.Ed., College of Wooster, 1960
 ROSETTA ALICE DAUGHERTY, A.B., Southeast Missouri State College, 1963
 ELAYNE SCOOFKES ERICKSON, A.B., 1959
 CECIL PHILLIPPA FRAY, Diploma, University College of Ireland, 1943; A.B., University of Dublin, 1951; D.V.P.H., University of Toronto, 1954
 SHELA SMITH FRETWELL, A.B., State University of Iowa, 1960
 ALMEDA GARN, A.B., Cornell College, 1961
 WILMA JEAN GEIL, A.B., Swarthmore College, 1961
 CAROLYN RUTH GRUNDY, A.B., Grove City College, 1963
 ELLEN JOYCE HERR, A.B., Sioux Falls College, 1963
 JUDITH ANNE HICKMAN, B.S., Purdue University, 1963
 AMRIT LAL KAPOOR, A.B., A.M., Panjab University, 1951, 1953; Diploma, M.L.S., University of Delhi, 1955, 1960
 JUDITH FRANCES KUZEL, A.B., Cardinal Stritch College, 1963
 DONALD LEE LANIER, B.S., Oklahoma Baptist University, 1961
 LEE HARRIET LAWRENCE, A.B., Indiana University, 1960
 ANITA EMMA LIDEN, A.B., Augustana College (Illinois), 1963
 NANCY RU-WOEI LIN, B.Ed., Taiwan Normal University, 1960
 MARIE ANN HERMON LONG, A.B., Kansas State University, 1961
 ROSE MARY MAGRILL, B.S., A.M., East Texas State College, 1960, 1961
 EILEEN BARBARA McNAMARA, A.B., Bradley University, 1963
 HELEN LEDFORD MITCHELL, A.B., University of Kansas City, 1963
 JESSE SPIKER MULLEN, A.B., University of Missouri, 1963
 KENNETH LEROY NABORS, A.B., Washington University, 1952; A.M., University of Minnesota, 1956
 BREWSTER PORCELLA, A.B., Wheaton College, 1943; B.D., Faith Theological Seminary, 1950; A.M., Wheaton College, 1952
 MARJORIE ELLIOTT RUNGE, A.B., Beloit College, 1960
 SANDRA EPPLER SCHIELD, A.B., Long Beach State College, 1963
 MARIA SVORENICK, B.S., Indiana University, 1960
 MARGARET LYNN THRASHER, A.B., University of Kansas, 1961
 MARY FRANCES TUNISON, A.B., Blackburn College, 1963
 SUSAN FINLEY WIKOFF, A.B., 1963
 WILLIAM JAMES WIMAN, A.B., Loras College, 1959
 FLORENCE ELLIE WOOD, A.B., 1963

In Management

HAMDY FOUAD ALY, B.Com., Cairo University, 1960
 GABRIEL MEDIALDEA GUINAND, B.S., M.S., 1960, 1961

In Marketing

RICHARD REX FISHER, B.S., 1963
 JOSEPH FREDRICK TERRANOVA, B.B.A., University of Notre Dame, 1963
 BURTON CHARLES USEN, B.S., 1962

In Mathematics

JACK KIRK ANDERSON, B.S., Illinois Institute of Technology, 1962
 DONALD FREDERICK BEHAN, A.B., Cornell University, 1963
 JOHN GRANT BERGMAN, B.S., 1962
 MORRIS JACK DELLEON, A.B., University of California (Los Angeles), 1963
 VLADIMIR DROBOT, B.S., University of Notre Dame, 1963
 CLIFFORD MEYER GERSTENHABER, B.S., Polytechnic Institute of Brooklyn, 1962
 PHILIP FRANCIS GILBERT, B.S., St. Joseph's College (Indiana), 1952; A.B., St. Charles Seminary, 1960
 ARNOLD DEAN HAMMEL, B.S., Central Michigan University, 1962
 MARTIN ROBERT HOFFMAN, B.S., California Institute of Technology, 1963
 HING-SUM HUNG, B.S., Stanford University, 1962
 CHARLES VIRGIL JONES, B.S., Western Illinois University, 1963
 ROBERT JOHN KUBALA, B.S., University of Chicago, 1962
 BARBARA ANN KUNZE, B.S., Purdue University, 1963
 RICHARD LOHMANN LUNDE, B.S., 1961
 MAURICE LEE MONAHAN, B.S., South Dakota State College, 1956
 MICHAEL REEDER MORRELL, B.S., 1963

ALAN MICHAEL NORRIS, B.S., 1962
JAMES FRANK PRESTI, JR., B.S., Wheaton College (Illinois), 1962
JULIUS MYRON ROTHSCILD, B.S., 1963
WILLIAM SHELTON SAMUEL, JR., B.S., Rensselaer Polytechnic Institute, 1938; B.D.,
Drew University, 1951
ROBERT GEORGE STAUBTE, JR., A.B., B.S., Brown University, 1963, 1963
THOMAS ANTHONY TREDON, B.S., University of Wisconsin, 1963
PAUL MICHAEL TYNER, B.S., 1962
RENATE GOMPERTZ WATANABE, Licentiate, Pontifical Catholic University of São
Paulo, 1952

In Mechanical Engineering

PHILLIP JEROME BATCHELOR, B.M.E., Marquette University, 1962
WILLIAM ZACHERY BLACK III, B.S., 1963
BURDETTE LESLIE BOERS, B.S., 1963
EUGENE FRANCIS BROWN, B.S., University of Wisconsin, 1963
WARD WILLIAM CARSON, B.S., Oregon State University, 1960
STEPHEN COLBURN, B.S., 1963
WILLIAM FRANK HAHN, B.S., Valparaiso University, 1962
GERALD WILLIAM HARTKE, B.M.E., University of Dayton, 1962
UFFE HINDHEDE, M.S., Technical University of Denmark, 1950
ROBERT FRANK HURT, B.S., 1963
BRAJ BHUSHAN JAIN, B.S., Agra University, 1948; B.Eng., University of Roorkee,
1952
GLENN WILLARD KAHLE, B.S., University of Missouri, 1956
THOMAS GEORGE LEYDON, A.B., University of Connecticut, 1953; B.S., 1964
ROBERT LEOPOLD PIRMAN, B.S., 1961
JOEL SLUTZKY, B.S. (Mechanical Engineering), B.S. (Electrical Engineering),
1962, 1962
RICHARD DEAN STRUNK, B.S., Iowa State University of Science and Technology,
1958
MILTON JOSEPH VAROUS, B.S., 1955
CHI-HSIUNG WENG, B.S., Chinese Military Academy, 1960

In Metallurgical Engineering

FRANK YALE FRADIN, B.S., Massachusetts Institute of Technology, 1963
RALPH WILLIAM LEONARD, B.S., 1963
ROBERT CHARLES McALLISTER, B.S., Purdue University, 1959

In Microbiology

ZARRINE JAMSHED KERRAVALA, B.S., M.S., University of Bombay, 1956, 1959
GRACE LIH-CHUIN LEE, B.S., National Taiwan University, 1960
ROBERT STEVENS LONG, B.S., 1961
REBEKAH KIN CHAO WONG WU, A.B., Catawba College, 1961

In Music Education

DUANE ADAIR BATES, B.Mus., University of British Columbia, 1962
DONALD WILLIAM FRETTEY, B.S., 1962
PAULINE HEINBERG GAGLIANO, B.Mus.Ed., Louisiana State University and Agricul-
tural and Mechanical College, 1961
NEAL MYRON HARRIS, B.Mus.Ed., Wisconsin State College (Stevens Point), 1963
ALFORD JESSE HOLTON, JR., B.S., East Carolina College, 1963
ROBERT STANLEY KENDRICK, B.Mus.Ed., Murray State College, 1963
JAMES D. NELSON, B.S., 1963
RUTH MARGUERITE STOFFEL, B.Mus., Oberlin College, 1963
WILLIAM ARTHUR WADE, B.Mus.Ed., Southern Illinois University, 1961
TOMMY HOWARD WARDLOW, B.S., 1962
JEANINE HAYES ZENGE, B.Mus., Oberlin College, 1961

In Nuclear Engineering

GERALD PAUL BECK, A.B., Southwestern College, 1943; M.S., 1948
CARL LOUIS FIES, B.S., University of Wisconsin, 1963
LESLIE ALFORD HORVE, B.S., 1960
GARY EDWARD JONES, B.S., 1962

MARCUS LLOYD MARLIN, B.S., 1963

JAMES WYATT PECK, B.S., United States Military Academy, 1958; M.S., 1963

In Physical Education

DOUGLAS BOELHOUWER, B.S., Rutgers, the State University, 1959

SHERRY LYNN BOVINET, B.S., Southern Illinois University, 1961

AGHDASS FARVAR, Licence, Teachers Training College (Iran), 1959

GRETCHEN LUELLA GLUESING, B.S., University of Dubuque, 1959

MELVIN HENRY GRUENSFELDER, B.S., 1943

DAVID HENRY MAYHAK, B.S., 1962

NELLES MCKIEE, A.B., University of Western Ontario, 1963

In Physics

ARTHUR ROGER COOKE, B.S., Massachusetts Institute of Technology, 1962

THOMAS EDWARD FITZPATRICK, B.S., Washington University, 1962

JOHN MILLS FOULK, A.B., Thiel College, 1962

JAY RICHARD FRIEDMAN, B.S., Worcester Polytechnic Institute, 1962

MICHAEL LOUIS GEORGE, A.B., University of California (Los Angeles), 1962

FRANCISCO ALCIDES GERMANO, Electronics Engineer, Instituto Tecnológico de Aeronautica (Brazil), 1960

DONALD URBAN GUBSER, B.S., 1963

PIL SUN HAN, B.S., Seoul National University, 1960

DENNIS PAUL HERZO, A.B., Rutgers, the State University, 1962

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STEPHEN EDWARDS KIERGAN, A.B., Rice University, 1962

SUNG JIN KIM, B.S., Korean Military Academy, 1955; A.B., Seoul National University, 1959

MARCUS LIEBERMAN, B.S., Illinois Institute of Technology, 1963

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LAUREN RICHARD MATHER, B.S., Harvey Mudd College, 1963

NASRALLAH FARES NASRALLAH, B.S., American University of Beirut, 1961

HAROLD CLAUDE POTTER, B.S., Illinois Institute of Technology, 1963

GEORGE HERBERT NEEDHAM RIDDLE, A.B., Princeton University, 1962

CHARLES ALVA ROGERS, A.B., Northwestern University, 1963

BRUCE MICHAEL SALVESEN, A.B., Ripon College, 1962

MILO ARVID SCHIELD, B.S., Iowa State University, 1962

DAVID EUGENE STANFEL, B.S., 1963

ULRICH STROM, B.S., Kansas State University, 1963

GERALD EDWARD THIEL, A.B., University of Wisconsin, 1963

THOMAS ANTHONY TUMOLILLO, B.S., 1963

JOHN DANIEL WEST, B.S., Roosevelt University, 1962

ROBERT HSIANG-TAO YEH, B.S., National Taiwan University, 1960

In Physiology

WILLIAM LEWIS EPPERSON, B.S., 1962

PETER GARRISON HANSON, B.S., University of Wisconsin, 1958

JANET ARLENE HARRIS, B.S., Otterbein College, 1962

KENNETH JAMES KANT, B.S., Ohio State University, 1958

BARRY RICHARD RIFKIN, B.S., Ohio State University, 1961

JOSEPH HENRY SZURSZEWSKI, B.S., Duquesne University, 1962

In Plant Pathology

CLINTON FREDERICK HODGES, B.S., 1962

DONALD HOWARD SCOTT, B.S., Purdue University, 1956

In Radio and Television

RICHARD GARWOOD BATTLES, JR., B.S., 1959

WILLIAM TARRANT DALE, A.B., University of Minnesota, 1956

FRANCIS PATRICK O'CONNOR, B.S., University of Wisconsin, 1950

In Recreation

- EDGAR LESLIE BARTH, A.B., William Jewell College, 1958
JOHN ALLEN CARROLL, B.S., University of Arizona, 1959
LAWRENCE WILLARD GAHAN, B.S., 1960
SAMUEL EUGENE HILL, B.S., 1959
LLOYD JAMES PAULSON, B.S., Wisconsin State College (La Crosse), 1956
WILLIAM FRANCIS ROBINS, B.Mus.Ed., Murray State College, 1955
LUCILE NITSCHKE TAYLOR, B.S., Purdue University, 1947
JAMES LYNN WALKER, B.S., 1963
PENELOPE JANE WHEELER, B.S., Southern Illinois University, 1963

In Sanitary Engineering

- KALYANPUR YESHAVANTHA BALIGA, B.Eng., University of Madras, 1958
CHU-CHUAN HSU, B.S., Taiwan Provincial Cheng Kung University, 1959

In Speech Correction

- JANE OYSTER GOEBEL, B.S., Ohio State University, 1958
DONALD ROBERT GREWELL, B.S., Eastern Illinois University, 1961
JACK LESTER RUDIO, A.B., Montana State University, 1962

In Statistics

- TOON QUEE WONG, B.S., Nanyang University, 1961
KIM YEW YAP, B.S., Nanyang University, 1961

In the Teaching of Biological Sciences and General Science

- ROBERT LLOYD ARTEMAN, B.S., Illinois State University at Normal, 1961
MARGARET HIND JENSEN, B.S., 1961
WAYNE EUGENE MATHIS, B.S., Illinois State University at Normal, 1960
ROBERT WILLIAM RAKITAN, B.S., 1961
CARL JAMES SCAFIDI, B.S., 1963
WILLIAM DALE UNVERFERTH, B.S., 1961
CATHERINE SUE WINELAND, B.S., 1963

In the Teaching of Mathematics

- KENNETH ROBERT CONKLIN, B.S., 1962
FRED O. FLENER, B.S., 1963
PAUL EDWARD HALAC, B.S., 1963
CLAUDE RICHARD KRAMER, B.S., 1963
BEVERLEY EVAN MOCHEL, A.B., Cornell University, 1962
QUENTIN EUGENE NOREM, B.S., 1940
BETTY LEE WITHERS, A.B., 1963

In Theoretical and Applied Mechanics

- RONALD ERNEST HUDSON, B.S., United States Military Academy, 1958; M.S., 1963
GEORGE ROGERS ROBERTSON, B.S., United States Military Academy, 1958; M.S., 1963
ROBERT EDWARD ROWLANDS, B.A.Sc., University of British Columbia, 1957
RICHARD ALLEN WENGLARZ, B.S., 1963
JACK CLEVELAND WILEY, B.S., Purdue University, 1962

In Veterinary Medical Science

- WILLIAM FRANK SCHROEDER, B.S., University of Wisconsin, 1944; D.V.M., Iowa State University, 1949
RICHARD FRANKLIN WALLIN, B.S., D.V.M., 1961, 1963
GUANG-TSAN WANG, B.S., National Taiwan University, 1958

In Zoology

- VICTOR BUKA EICHLER, B.S., 1963
CLAUDINE FERN LOWDER LONG, B.S., Kansas State College (Pittsburg), 1960
SHARON CHALFANT McDONALD, B.S., 1961

Degree of Master of Music

- DAVID EISEMAN, A.B., University of California (Berkeley), 1963

FU-TING KIANG, A.B., University of California (Berkeley), 1962
 CHARLES EDMUND KOCH, JR., B.Mus., University of Houston, 1962
 JEREMY LUSTIG, B.Mus., Oberlin College, 1963
 RUDOLPH RONALD MATAS, B.Mus., 1963
 MICHAEL RICHARD ROGERS, B.Mus., 1963
 LARRY JOSEPH SOLOMON, A.B., Allegheny College, 1962
 KARIN ANNA SWANSON, A.B., University of Minnesota, 1961
 LOREN CHARLES TICE, B.Mus., College of Emporia, 1961
 LAURINE ROSETTA ZAUTNER, B.Mus., Lawrence College, 1962

Degree of Master of Education

HAROLD WICKLIFFE ADKINS, B.S., Eastern Illinois University, 1950
 MARY LOU DOYLE ALLISON, B.S., 1959
 EARL LAVERNE ANDERSON, B.S., Illinois State University at Normal, 1960
 MILDRED BANGERT ANGELO, B.S., 1961
 EILEEN JONES BAPST, B.S., Illinois State University at Normal, 1950
 JOAN MARKS BARTHOLOMEW, B.S., North Dakota State University, 1954
 THOMAS ANTHONY BEATTIE, B.S., Cornell University, 1950
 JOHN HOWARD BEATY, B.S., 1957
 DONALD AMES BENDER, B.S., 1961
 MAX WHITE BRANTNER, B.S., Northern Illinois University, 1952
 KENNETH LEE BRYNJOLFSSON, A.B., 1961
 MARY ALICE HARGRAVE BUNDY, B.S., Southern Illinois University, 1952
 ROGER KENT BUSHDIECKER, B.S., 1961
 HARRIETT MITCHELL CAMPBELL, A.B., Central College, 1930
 ALAN REMINGTON CARLSON, A.B., 1962
 HELEN GRUBB CARPENTER, B.S., 1956
 CYNTHIA LISANN COHENOUR, B.S., 1963
 CAROL ANN COIN, A.B., Augustana College (Illinois), 1951
 WILLIAM ROBERT COLE, B.S., 1963
 GEORGIA PASEK COOK, A.B., Eastern New Mexico University, 1959
 HARVIN ANDRÉ COOK, B.S., 1958
 FRANCES GERTRUDE CORRIGAN, A.B., College of St. Francis, 1951
 DAREN LEE COX, B.S., 1957
 BETTY CAUTHORN CRIST, B.S., Northwestern University, 1943
 JEANNE MARIE DENT, A.B., Mount St. Agnes College, 1963
 HARRY ROBERT ELKINS, B.S., 1962
 THELMA SPECHT ELKINS, B.S., Illinois State University at Normal, 1950
 DOROTHY EILEEN SMITH ERNST, B.S., Eastern Illinois University, 1951
 GLYNNECE WILMINIA EUSTACE, A.B., Stowe Teachers College, 1948
 DOROTHY LONG EVANS, B.S., Winston-Salem Teachers College, 1949
 DALE HOMER FLACH, B.S., 1959
 BARBARA BOLT FLETCHER, B.S., Miami University, 1956
 DANNIE ELMER FRANKLIN, A.B., Harris Teachers College, 1959
 CHARLES RICHARD FREDERICK, A.B., B.Th., B.S., Goshen College, 1951, 1952, 1953
 MARILYN CAROL FREDERICK, B.S., 1962
 HOWARD GARVER, B.S., 1961
 FRANCES MARGUERITE GOLDING, A.B., Beloit College, 1955
 RAYMOND JAMES GORNIK, B.S., Lewis College of Science and Technology, 1953
 DONALD ROBERT GRAHAM, A.B., Valparaiso University, 1959
 RUSSELL THOMAS HAINLINE, B.S., 1963
 HOMER JOHNS HALVERSON, B.S., Wisconsin State College and Institute of Technology, 1956
 DENVER WILBERT HANEY, B.S., University of Kentucky, 1947
 RUTH LARAINA HARRIS, A.B., Greenville College, 1963
 HOWARD ERVIN HARTKE, B.S., Bradley University, 1955
 ANDREW JOHN HAUPTMAN, B.S., 1958
 SALLY LANGHAAR HAVENS, B.S., 1960
 NORMA KLINEDINST HAWORTH, B.S., Ball State Teachers College, 1959
 DARRELL GENE HELM, B.S., Millikin University, 1962
 JUDITH FERNE LANE HESS, B.S., Southern Illinois University, 1962
 RONALD FAY HOLLER, B.S., Millikin University, 1961
 DANIEL HELGE HOLMES, B.S., Illinois State University at Normal, 1961

- CAROL AILEEN IVY, B.S., Northern Illinois University, 1959
 PATRICIA ANN JANSSENS, A.B., Marycrest College, 1957
 WILLIAM DONALD JOHNSON, B.S., Bradley University, 1962
 PAUL WILSON JORDAN, B.S., Murray State College, 1955
 JOAN MORTENSEN JOSEPHSON, A.B., Augustana College (South Dakota), 1954
 JOHN BERNARD JOYCE, B.S., 1963
 KINNEY KAAUMOANA KAMA, JR., A.B., Miami University, 1957
 ANN KENWARD, A.B., 1960
 MEL ROBERT KIELTYKA, B.S., St. Bonaventure University, 1958
 SHIRLEY QUIRING KNAUPP, B.S., Oregon State University, 1960
 MYRNA MAE BARTELSON KNILANS, B.S., Illinois State University at Normal, 1959
 MARJORIE GALLANTER KOPEL, A.B., Barnard College, 1956
 PEGGY JOHNSON LIPPERT, A.B., University of Oklahoma, 1957
 ELIZABETH HWAI-YING LIU, B.S., National Szechwan University, 1948; B.S.N.,
 College of Mount St. Joseph on the Ohio, 1954
 HILDA LIVENGOOD LLEWELLYN, B.S., 1940
 RAYMOND ORLAND MADDOX, B.S., Illinois State University at Normal, 1961
 CLARA BOW MCGOWAN MARTENS, B.S., University of Texas, 1951
 CAROL NAOMI MATSUNAKA, B.Ed., University of Hawaii, 1962
 CAROL ANN McCAFFREY, A.B., University of Portland, 1963
 MARTHA SANDUSKY MERRITT, B.S., 1962
 GWEN CAMPBELL MOLENAAR, B.S., Northern Illinois University, 1959
 LEZLIE ANN MORGAN, B.S., 1961
 SHARON ANN MORTON, B.S., Illinois State University at Normal, 1960
 EDEN NICHOLAS, B.Mus., 1943; B.D., Northwestern Lutheran Theological Seminary, 1951
 RICHARD LEE NIMZ, B.S., Illinois State University at Normal, 1962
 CYNTHIA NOWAK, B.S., Northwestern University, 1963
 SHARYN WEST PAIGE, B.S., University of Nebraska, 1960
 HAROLD DEAN PIERCE, B.S., Northern Illinois University, 1960
 WAYNE RAYNOR PILLEN, B.S., 1959
 ROGER FLOYD POHLMAN, B.S., Iowa State University, 1959
 THOMAS FRANCIS POWERS, B.S., Northwestern University, 1952
 EVELYN RASMUSSEN REEDER, B.S., Northern Illinois University, 1955
 WILBUR CORNELIUS RICH, B.S., Tuskegee Institute, 1960
 KAROL LUNDIE SCHULTE, A.B., Michigan State University, 1961
 FERREL ROY SEAMAN, B.S., Eastern Illinois University, 1955
 ROSSIE JERRALD SHIVE, B.S., Illinois State University at Normal, 1958
 IRENE GULLAN SLOTTOW, B.S., Maryland State Teachers College (Towson), 1944
 MARY JOY STOECKL, B.S., 1961
 JOE DEWEY STUTSMAN, B.S., Southern Illinois University, 1956
 MARJORIE ANN SULLINS, B.S., 1963
 WARREN NOBORU SUZUKI, B.S., 1963
 SALLY ANN SWANSON, B.S., Illinois State University at Normal, 1959
 SU ANN JOHNSTON THOMAS, B.S., 1961
 CLARENCE REED TIPTON, JR., B.S., 1957
 MARILYN ZEITER TUCKER, B.S., 1960
 JOHN CARVER TURNER, B.S. (Agriculture), B.S. (Dairy Technology), 1955, 1959
 MILDRED THURSTON TURNER, B.S., Franklin College of Indiana, 1957
 MARY EMILY VAN HOUTTE, B.S., Western Illinois University, 1959
 VIRGINIA RAGAR WAGGENER, B.S., Culver-Stockton College, 1959
 RAYMOND EUGENE WHITEHEAD, B.Mus., DePaul University, 1958
 BENNYE LUCILLE MORRIS WILDER, B.S., Alcorn Agricultural and Mechanical College, 1954
 LOUISE ELAINE WINDMUELLER, A.B., Northern Illinois University, 1962
 NANCY RUETHER WIRTZ, B.S., State University of New York College for Teachers (Albany), 1961
 LOANNE LILLIAN WORTH, B.S., 1961
 RUTH ANN HELMS WURZBURGER, B.S., Olivet Nazarene College, 1959
 VERNIECE SYLVESTER YEAZEL, B.S., 1959

Degree of Master of Social Work

ARTHUR MELVIN AFREMOW, A.B., 1955

MOLA CHARLOTTE ALPHONSE, A.B., Roosevelt University, 1958
 MARY ROBERTS BAILEY, A.B., Johnson C. Smith University, 1962
 ROGER IVAN BENDER, B.S., Illinois State University at Normal, 1962
 MARIE LARSON BROOKER, B.S., Eastern Michigan University, 1957
 JON ALFRED CHAPMAN, A.B., Michigan State University, 1962
 THOMAS ALBERT COLBERT, A.B., Millikin University, 1958
 LILLIAN BELLE COY, A.B., University of California (Berkeley), 1937; A.M., San Francisco Theological Seminary, 1942
 NANCY WAGNER DELAP, A.B., Carroll College (Wisconsin), 1961
 MANUEL DESNET, B.S., George Williams College, 1950
 DONALD EUGENE DOWE, B.S., Illinois Wesleyan University, 1961
 JOEL FISCHER, A.B., 1961
 MARILYN JACOBS FLYNN, A.B., Roosevelt University, 1960
 DOROTHY RIDDELL GREEN, B.S., University of Nebraska, 1948
 BETTY KOSTIAL GUTSTADT, A.B., 1951
 SANDRA BEVERLY HABUSH, B.S., University of Wisconsin, 1961
 CAROL SCHMALZ HEMBROUGH, A.B., 1960
 DAVID JOY HERRELL, A.B., University of Pennsylvania, 1958
 CARROLL EUGENE HUGHES, A.B., Westmar College, 1955; B.D., Evangelical Theological Seminary, 1958
 MARY JEAN JANSZYN, Ph.B., Loyola University (Illinois), 1942
 JUDITH ANN JOHNSON, A.B., Beloit College, 1962
 ADELE MAE KAUFMAN, A.B., Michigan State University, 1962
 EDWARD PHILLIP KAUFMAN, A.B., 1962
 CAROLYN FERN LITWILLER, A.B., Goshen College, 1961
 EUGENE EDWARD LOVE, A.B., Dillard University, 1962
 JAMES HENRY MACKEY, B.S., Florida Normal and Industrial Memorial College, 1950
 TROY ANTHONY MAYR, B.S., 1962
 DONALD JOSEPH MOCKENHAUPT, A.B., College of St. Thomas, 1962
 BEVERLY KOEHLER OHREN, B.S., 1957
 DONALD ALEXANDER PATON, B.S., Bradley University, 1952
 WILLIAM QUINN PATTON, B.S., University of Minnesota, 1961
 KARL PEMPER, B.S., 1958
 DIANE CHRISTA PERSHING, A.B., 1962
 SHEILA CATHERINE PLATT, B.S., 1961
 ANN PALMER PRIORI, B.S., Loyola University (Illinois), 1961
 KATRINA SCHUYLER REISBERG, A.B., Brooklyn College, 1957
 DAVID LLOYD SEXTON, B.S., George Williams College, 1962
 OLYMPIA DYER SPURLING, A.B., 1962
 BARBARA LOU MILLER STONE, B.S., Northwestern University, 1949
 MADELINE JEANNE TRAASTAD, A.B., St. Olaf College, 1962
 EDITH BALCERIS VANAGUNAS, B.S., 1961
 EUGENE ROBERT WILLIAMS, A.B., Millikin University, 1961
 NATHALIE SILBERSTEIN WINKLER, A.B., Goucher College, 1942
 CLORA DUMAS YOUNG, A.B., Oakwood College, 1949

Degree of Master of Fine Arts

In Landscape Architecture

DONALD JOSEPH MOLNAR, B.F.A., 1960

In Painting and Printmaking

ALTA WHEAT ALBERGA, A.B., A.M., University of Wichita, 1953, 1954; B.F.A., Washington University, 1961
 BETTY JANE DONAGHE, B.F.A., University of Texas, 1961
 JAMES EMIL FAGAN, B.F.A., Bradley University, 1962
 GARY DENNIS HAGEN, B.F.A., 1962
 KENNETH WARREN LILLQUIST, B.F.A., 1962
 ANJA KUOPPALA SCHRAG, B.F.A., 1959
 JOHN GEORGE WISNOSKY, B.F.A., 1962

Degree of Master of Laws

SURYA PRAKASH SINHA, B.Com., University of Poona, 1956; LL.B., University of Bombay, 1958; M.S., University of Arizona, 1962

Degree of Master of Architecture

RICHARD THOMAS BANKS, B.S., 1962
WALTER EDWIN BLISS, B.Arch., 1963
WICHIT CHARERNBHAK, B.Arch., Chulalongkorn University (Thailand), 1959
THOMAS SHIGERU KATSUYOSHI, B.Arch., 1963
LOUIS JOSEPH NARCISI, B.Arch., 1961
ERNEST OTTO PORPS, B.Arch., 1961
ADIB WAHBA WAHBY, B.Arch., Cairo University, 1956

Degree of Master of Accounting Science

PAUL RAYMOND ANDERSON, B.S., 1963
DOUGLAS ROY CARMICHAEL, B.S., 1963
CHING-LAN CHU, A.B., National Taiwan University, 1962
PAUL EDWARD DUCKWORTH, B.S., 1963
STEPHEN KENT EMERY, A.B., Baker University, 1963
ANDREW AMIL HARIED, A.B., Hastings College, 1962
RALPH ARTHUR HOFFMAN, B.S., 1963
WILLIAM BRIGHT JOHNSON, B.S., 1963
RICHARD LEE KEYSER, B.S., 1963
DON GALEN LOCKHART, B.S., 1963
THOMAS JOSEPH LOOBEY, A.B., Washington University, 1962
OREN BERNARD MEYER, B.S., Northwestern University, 1962
JAMES WARREN PELLOT, B.S., Miami University, 1963
KENNETH SPENCER SMITH, B.S., University of Oregon, 1963
VERNON KEITH SMITH, B.S., West Virginia Wesleyan College, 1963
MICHAEL HANES WEATHERBEE, A.B., University of Dubuque, 1960
GARY ELBERT WHITE, B.S., University of Colorado, 1963
THOMAS DENNIS WHITE, B.S., 1963
RONALD JOHN WITEK, B.S., 1963

Degree of Master of Business Administration

JERRY ANTON BILEK, JR., B.S., 1962
PETER CLOUGH BULKELEY, B.S., 1962
EDWARD JOSEPH CANNON, B.S., University of Wisconsin, 1959
MICHAEL RICHARD CERVANTES, B.S., 1962
PRISCILLA SHUI-FUNG CHOW, A.B., National Taiwan University, 1962
ROBERT LOUIS GENDRY, B.S., Millikin University, 1962
ELWYN FRANK HENNING, B.S., 1962
RALPH THEODORE HOCKING, B.S., 1962
KENNETH KAY KAUFFMAN, A.B., College of Wooster, 1962
CHARLES TAYLOR KERCHNER, B.S., 1962
RICHARD EDWARD KOLER, B.S., 1962
TERRENCE WILLIAM KUCHARSKI, B.S., Loyola University (Illinois), 1961
RALPH ELMER LINDEMANN, JR., B.S., 1962
FREDERICK THEODORE MELBERG, JR., B.S., 1962
MICHAEL EDWARD O'LAUGHLIN, B.S., 1962
HOWARD T. PEAT, B.S., Howard College, 1957
FREDERICK JOHN REYNOLDS III, B.B.A., University of Notre Dame, 1961

Degree of Master of Comparative Law

MEHMET ERDAL KARATAYLIOGLU, Licence, University of Istanbul, 1962

Degree of Master of Extension Education

GLENN IRWIN ASH, B.S., 1951
ROBERT WALTER FRANK, B.S., 1959

Advanced Certificate*In Education*

MARINA ESTHER AXEEN, B.S., St. Cloud State Teachers College, 1945; B.S. (Library Science), M.S., University of Minnesota, 1949, 1953

- MAROLYN GENEVIEVE BANNER, B.S., M.S., 1948, 1953
 DENNIS ELLSWORTH BAPST, A.B., North Central College, 1938; A.M., Colorado State College, 1949
 JOE L. CAIN, B.S., Jackson State College, 1951; M.S., Indiana University, 1958
 MERVIN LOUIS CRONBAUGH, A.B., Simpson College, 1959; M.S., Western Illinois University, 1963
 EDWARD ANTHONY CRUM, B.S., Ed.M., 1933, 1963
 JACK HOWARD CUTLER, A.B., Ed.M., 1960, 1961
 DELBERT DALE FOUST, B.S., Eastern Illinois University, 1955; B.D., Evangelical Theological Seminary, 1956; Ed.M., 1959
 FLOYD ROBERT HAFF, JR., B.S., M.S., Cornell University, 1959, 1961
 CHARLES JOSEPH HAMED, JR., B.S., 1953; M.B.A., University of Chicago, 1957
 KENNETH ALLEN HOLMES, B.S., Purdue University, 1951; M.S., Indiana State College, 1961
 GORDON CLYDE HOPPER, B.S., M.S., Western Illinois University, 1954, 1955
 HENRY ANTHONY HORNBECK, JR., A.B., Loras College, 1959; Ed.M., 1962
 HAROLD RALPH HUNGERFORD, B.S., M.S., Illinois State University at Normal, 1949, 1953
 EDWARD GARFIELD JOHNSON, JR., B.S., A.M., Ball State Teachers College, 1947, 1952
 CHARLES DUANE PATTON, B.S., Colorado State University, 1953; Ed.M., Montana State College, 1961
 DOMINICK DANIEL PELLEGRINO, B.Mus., A.M., University of Michigan, 1958, 1959
 MARION ELIZA SLIGAR, B.Ed., Pestalozzi Froebel Teachers College, 1945; M.S., Millikin University, 1953
 HIRAM WILLIAMS, A.B., Arkansas Agricultural, Mechanical, and Normal College, 1957; Ed.M., 1961
- In Music Education*
- JAMES CLARENCE MUNDY, B.S., M.S., Indiana State College, 1959, 1963

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

- | | |
|----------------------------------|------------------------------------|
| THOMAS CLAYTON AINSWORTH, Honors | RICHARD DONALD FLYNN |
| ELDON WAYNE ASKEW | ROBERT VOLENTINE FUHR |
| JAMES LINDEN BECKHART | BRUCE LYNN GARDNER, High Honors |
| DANIEL WILLIAM BOCK | JAMES ANDREW GARDNER |
| DARWIN LESTER BOHNENSTIEHL | BYRON RICHARD GEISSLER |
| JOHN STEVENS BOLEN, Honors | CLEMENT EUGENE GILL |
| ROBERT PERRY BOSSHART | JOHN RUSSELL GORDON, Honors |
| BERNARD MILLER BRAKENHOFF | VIRGIL BYRON GREGG |
| VIRGINIA LEE BROWN | EARL GEORGE GUDEMAN |
| MAURICE HENRY BRUCKER | GEORGE ANTHONY BARTON HALL, Honors |
| DELMAR DARWIN BUILTA | HORST PAUL HAMANN |
| ROBERT ELLSWORTH COOMBE | ROBERT RAYMOND HARRIS |
| HAROLD RONALD CORNWELL | JIMMIE D. HARROLD |
| RONALD EUGENE CORNWELL | WAYNE ALLEN HAYENGA, Honors |
| ROBERT JEROLD CURRY | CARL JOSEPH HEINISCH |
| GARY STOVER DAMERON, Honors | STANLEY DEAN HEITZ |
| ROBERT ALLEN DANIEL | DANIEL EDWIN HEMBROUGH |
| AUBREY DEAN DECKER | THOMAS PAUL HENDERSON |
| GARY LEE DOOLEN | RUSSELL LEROY HIGGINS |
| JOHN STEPHEN DREW | DOUGLAS ALLEN HOLLER |
| ROBERT LYNN DRIESLEIN | ALBERT RAY HORN BROOK |
| JOHN WILLIAM DUIS | EARL MULFORD HUGHES, JR., Honors |
| WILLIAM RAY EDWARDS | GEORGE PATRICK HUSTON |
| JOHN STEWART ELLISON | LARRY MARVIN IRION |
| GARY MARTIN ELLSWORTH | DONALD RALPH JENKINS |
| JOHN ALBERT ENSOR | RICHARD WILLIAM KING |
| SHELDON WAYNE FARWELL | JAMES MICHAEL KINSELLA |
| LARRY WILLIAM FERGUSON | |

WILLIAM FRANK KIRK
 GEORGE FREDERICK KREIDER
 EUGENE ALLEN KROUPA
 DONNIE GEORGE JACOB KUNZ
 CARLOTTA KUSSEL
 JOHN EDWARD LEBECK
 EUGENE DALE LEMAN
 HOWARD TIMOTHY LEMONS
 RODNEY KENT LINDGREN
 ROLAND KAY LITTLEWOOD, High
 Honors

ROBERT LOUIS LOWE
 FRED FRANKLIN MANHART
 DENZIL VICTOR MARTEN
 FRANK MERLYN MCCULLY
 LEON RICHARD MILLER
 ROGER DOUGLAS MONTGOMERY
 RAYMOND JOSEPH MORMAN
 LAWRENCE DEAN MULLER
 GERALD MELVIN NOLTE, High Honors
 STEPHEN DALE ORTMAN
 CHARLES WAYNE OVERBEY
 JOSEPH WARREN PEEK
 DONALD LA VERNE PETERSON
 DONALD EDWARD PRITCHARD
 GERALD EUGENE RAISTRICK
 MILAN ALVIN REWERTS
 JOSEPH JACOB REZNICEK

RAY EUGENE ROFF
 RANDALL HOWARD ROSS
 VILAS EUGENE SCANLAN
 ERMAN EDWARD SCHAIRER
 CLIFFORD WAYNE SCHERER
 DAVID JOHN SCHINGOETHE
 WILSON EDWARD SCHMISSEUR
 DONALD WAYNE SCHREIBER
 WALTER LESTER SCHUTTLE
 LARRY SNYDER
 JAMES LEE STEPHENS
 GALE WAYNE SUNDERLAND
 DONALD LEE TENDICK
 JAMES ALLEN THOMAS
 GERALD ARTHUR TOWNSEND
 JAMES KENNETH TROTTER
 WELDON CARL VIERLING
 STANLEY PAUL VINCENT
 DANIEL THEODORE WALKER
 VERNON LEE WATT
 HAROLD WARD WATTERS
 JAMES ROY WELCOME
 ROBERT FRANCIS WHEELER
 MAX BROOKS WHITNEY
 JOHN DAVID WILKEN
 HARRY LEWIS WOODS
 KENNETH CLARENCE WREDE, Honors

In Dairy Technology

MARVIN LYNN ALWES
 MICHAEL FLOYD CAMPBELL

SAMUEL EUGENE ROSSI
 DANIEL RAYMOND ZEHR

In Floriculture and Ornamental Horticulture

KENNETH FENNELL BAUMANN
 JOHN WILLIAM BEECHER
 BRUCE LAWRENCE JOHNSON
 ROY GLENVILLE KLEHM
 DONALD ALLEN NEFF

THOMAS EDMUND SPAULDING
 ROBERT ELWOOD STADIN
 JEFFREY ALAN WANDELL
 JOHN JEROME WELLMAN

In Food Science

DANIEL LEONARD FLEISCHMAN

IRAJ SHAYANI

In Forestry

PAUL DEAN CHAMBERLAIN
 WILLIAM WRIGHT COWEN
 JOHN WILLIAM DALE
 DAVID ROGER DARR
 LORIN DANIEL EDLUND
 RICHARD FORREST FISHER, JR.
 MARTIN ERNEST GROSE
 JOSEPH EDWARD GUMMERSON, JR.
 JAMES DOUGLAS HARPER

DONALD FRANCIS HOLECEK
 RALPH ERNEST MONTEEN
 RICHARD ARTHUR POZNIAK
 RONALD MICHAEL ROCKIS
 THOMAS WOODROW ROOT
 RICHARD LEE SMITH
 MARLYN LYNN TRUMMEL
 ROBIN WILLIAM TURBA
 BRUCE REYNOLD ZUMBACHLEN

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 NANCY ELLEN BLACKMORE
 MARJORIE HIMSTEDT BLUNIER
 STEPHANIE KAY BORLEFF
 JUDITH ANN BROWN
 LUCINDA JEAN BUTLER
 PATRICIA ANN CLICKENER, Honors

MARGUERITE ELLEN COLLIER, Honors
 LAURA CATHERINE DEWALL
 JEAN ANN DUNPHY, Honors
 JOAN PATRICIA ETNYRE
 SALLY JOHNSON GEHLBACH, High
 Honors
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LORETTA LOUISE ANDERSON
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 BARBARA GWYNN BAIRD, High Honors
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CONNIE BUHRMESTER PETERSON, Honors
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In Horticultural Food Crops

JOHN MAXWELL CRUTTENDEN

COLLEGE OF ENGINEERING

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In Aeronautical and Astronautical Engineering

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 WILLIAM BRAMBLETT COTTON, High Honors
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 HOWARD HANKE CROXEN
 RONALD GENE CUSTER
 JAMES RICHARD EYMAN
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 HARLAN ALFRED HANNAH
 ARTHUR DAVID JONES
 BENJAMIN EUGENE KAMINSKI
 ROY WILLIAM KESSMANN

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CURT RAYMOND HILDEBRAND	ALGIMANTAS ROMANAS SLAPKAUSKAS
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HASSAN KAMALVAND	LEO LEONIDAS TOLIA
JAFAR KASSAIAI	CHARLES ALPHONSUS VENSUSKUS
LAWRENCE EARL KEIM	JAMES BRUCE VOORHEES
CHARLES BLAIN KENISON	

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EDWARD WESLEY CURTIS	OK KYUN KIM
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 DEAN KAY TOMLIN
 HYMAN TREIBITSCH
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 UNAL UYSAL
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 ROBERT DORN WICKERSHEIM, Highest Honors
 DONALD ROBERT WILTON, High Honors
 BRUCE ROGER WUNLUCK
 RAYMOND JOHN YAREMA, High Honors
 SCOTT REAU ZEHR

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 THOMAS EDGAR RICKETTS
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 FREDERICK WILLIAM SCHIERHORN
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 CARL THEODORE SEABERG, Jr.

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 CHARLES WILLIAM CHRISTOE, High Honors
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 VANCE ALLEN ETNYRE
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 CHARLES BARRY POLIVKA
 JACOB DAVID RUBIN
 WARREN EUGENE SHUFELDT
 DAVID LEON STEELE, Highest Honors
 EUGENE HARUO TADEMARU, Honors
 LIUDAS KESTUTIS VOLODKA
 FREDRICK CLAU ZUMSTEG, Jr.

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DOUGLAS ARTHUR BEHMER
MICHAEL L. CLINE
CALVIN HOWELL FITCH
DANIEL ALLEN GOOZE
RONNY HERMAN HAUSCH
ROBERT EUGENE LOBYGOWSKI

ROBERT STANLEY POREMBA
JAMES RONALD SACHTSCHALE
ROBERT EARL SEYLER
MERWIN FAY STROUP
JAMES LEROY TOMLINSON
ELDEN LEON VOLLING
DONALD EUGENE WILKINSON

In Industrial Engineering

ROMAN BILIUNAS, High Honors
KENNETH ROBERT BROWN
GARY REED COXON
ROGER WARREN DANIELS
ARTHUR GEORGE DAVIS
STEVEN HERBERT FRIEDMAN
BERNARD EUGENE JORDAN, High Honors
GUILLERMO MENENDEZ

TOLLEF OWEN NASBY, High Honors
GARRY IRA NEIMARK
DONALD RAY PROCTOR
PETER ARMIN PYHRR
KURT RADTKE
RAYMOND PAUL ROSCHMANN, Jr.
DAVID CHARLES STREGE
DENNIS VICTOR WITT

In Mechanical Engineering

KENNETH JOHN ALBERT
EDWIN TULLY ALESSANDRI
RONALD LAWRENCE BALZER
RONALD ALAN BANISTER
SAMPATKUMAR BARNABAS
KLAUS BEER
DAVID ROLAND BISHOFF
JAMES LEE BOWMAN
RICHARD JOHN BUCKWITZ
CHARLES WILLIAM BURGNER
STANLEY JOSEPH BURNICKS
ROBERT ANGELO COLOMBO
THOMAS WAYNE DEGENHART
RICHARD WILLIAM DELLER, Highest Honors

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DAVID ALFRED ERICKSON
DONALD WILLIAM FRITZ
CLAIR DUDLEY GOODMAN, Jr.
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JAMES Z. H. HAN
JERRY BYRON HAWBAKER
MAX ROBERT HEIDENREICH
RICHARD HAYES HELGREN
DAVID JOHN HONISS
MARTIN DONALD IGNAZITO
RAYMOND EDWARD JOHNSON
VELIMIR JOVANOVIC
GARY JAY KLOW
HIKMET KOPANOGLU
KEITH RICHARD LEWIS
GARY ARTHUR LONG

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HOWARD BYRON MASON, Honors
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SAM ROSS MONTGOMERY
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RICHARD JAMES OXFORD
ASHOKKUMAR MANEKLAL PATEL
DALSON RAVAGNANI
GEORGE HENRY REED, Jr.
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CHESTER NOBUICHI SASAKI
ROBERT MAC SCHURTER
MARSHALL MAYER SHIFRIN
DONALD RAY SITTNER
THEODORE CASIMIR SKIERSKI
HARRY MARTIN SKOLNIK
EDWARD DONALD SMITH, High Honors
BRUCE WALTON SPENCER, Honors
JOHN JOSEPH STANDARD
JOHN WILLIAM STEINMEYER, Honors
RICHARD BOGUE THOMSON
ROBERT TROJAN
MARK LAWRENCE TURK
RONALD PETER VALLORT
ROBERT ALLEN WARD
BYRON LEWIS WEBBER
CLIFFORD LAWRENCE WININGS, Highest Honors
JOHN GILBERT WYNNE
WILLIAM HENRY YUNG
EDWARD JOSEPH ZEMANICK

In Metallurgical Engineering

CHARLES JOHN ANDERSON
RONALD EUGENE BAILEY
EDWARD JOHN EFSIC, Jr.
FRED MAX FABRICANT

RICHARD LEONARD FORBES
KATHRYN ANN MILLER
FRANCIS ROBERT SETLAK

In Mining Engineering

JAMES EDWARD GRIMES, Honors

GARY DAVID REYSA

COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

In Home Economics

DONNA LEE BONAKER, Honors in Liberal Arts and Sciences

In Liberal Arts and Sciences

DAVID LINCOLN ADER
 MARY ANN AGACINSKY, Honors in Liberal Arts and Sciences
 SUSAN KIRKPATRICK ALDER
 DANIEL ROY ALLAN
 PENELOPE ALLDERDICE
 GORDON MICHAEL ALPER
 BRIAN KELLY ANDERSON
 THYRA RUTH ANDERSON
 OSCAR WILLIAM ANSELL
 STEPHEN MICHAEL ARONIN
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 LEONARD ALLEN BRADY, Honors in Liberal Arts and Sciences

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 JUDITH ANN CHALCRAFT
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 tinction in Political Science
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 tinction in History
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 eral Arts and Sciences
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 tinction in English
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 tinction in Political Science
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 High Distinction in Political Sci-
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 NEAL BRUCE GREENFIELD
 ROSS MILTON GROSSMAN
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 JUDITH CODE GRUBER
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Highest Distinction in Psychology
ANGELO LOUIS JULIANO
HERBERT STACEY KAPLAN, Honors in
Liberal Arts and Sciences with Dis-
tinction in Mathematics
SHARON ANN KASPER
MARY ANN KASPRZYCKI
LORRAINE DOROTHY KASS, Honors in
Liberal Arts and Sciences with
High Distinction in Mathematics
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BARBARA SHARON KEYS
ALLAN CRAIG KOCH
RICHARD PAXTON KOLB
ANDREW LOUIS KOUSOULIS
KAREN KUHLMAN, Honors in Liberal
Arts and Sciences
LUDMILLA KURYLAK
JOHN ALLAN LAMB
HAROLD RICHARD LANE
KWONG YEE LAU
KENNETH DALE LAWSON, Honors in
Liberal Arts and Sciences
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JOHN MUEZZEL LE VAR
FRANCES ANNE LEWIS, Honors in Lib-
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AARON STEPHEN LIFCHEZ
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TERRY LOWE
ALLAN TESSLER LUSKIN, Honors in Lib-
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Liberal Arts and Sciences with
Highest Distinction in Botany
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TERENCE RAYMOND MEADE
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 RICHARD CLARENCE PRODOEHL
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 WAYNE THOMAS RATAY
 RUTA MARIJA RAULINAITIS
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 ALICE EVE RICHTER
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 PAUL DAVID ROSEN
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 LEO CLARENCE WIEDENFELD
 GERALD EDWIN WILLEY
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 BARRY MICHAEL WOLDMAN
 DON ELDON WOOD
 MARILYNN JOYCE YEZDAUSKI
 HORST RONALD ZIELKE
 NANCY JOYCE ZIMMER
 THOMAS JAY ZIMMERMAN
 LYNN JOANN ZINNER
 EDWARD JOSEPH ZNEIMER
 SHARON LEE ANDERSON ZOARS

In Physics

WAYNE RAYMOND ANDERSON
 MURRAY MICHAEL ARNOW, Honors in
 Liberal Arts and Sciences
 PETER MICHAEL BENDA
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 Liberal Arts and Sciences with
 High Distinction in the Curriculum
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 BRUNO CONSTANTINO BUCARI
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 Liberal Arts and Sciences
 KAREN RUTH CHRISTENSEN, Honors in
 Liberal Arts and Sciences
 HOWARD ALLEN COZZI, Honors in Lib-
 eral Arts and Sciences
 JOHN STUART ESCHER, Honors in Lib-
 eral Arts and Sciences
 HOWARD ALLAN GORDON, Honors in
 Liberal Arts and Sciences with Dis-
 tinction in the Curriculum

DENNIS JOHN HELFRITCH, Honors in
 Liberal Arts and Sciences with Dis-
 tinction in the Curriculum
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 JAMES ALDEN JACKOBS, Honors in Lib-
 eral Arts and Sciences with High
 Distinction in the Curriculum
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 tinction in the Curriculum
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 eral Arts and Sciences
 DAVID JONATHAN SLATE, Honors in
 Liberal Arts and Sciences with Dis-
 tinction in the Curriculum
 CAPLETON IRVING SWANSON
 JOSEPH JAMES TENICKI
 VOLKER RUDOLF ULBRICH

In Speech Correction

KATHARINE CHURCH BREARTON, JR.,
 Honors in Liberal Arts and Sci-
 ences
 JILL MARIE CHECK, Honors in Liberal
 Arts and Sciences
 PENELOPE JANE DEAN
 SYLVIA ANN DOHERTY
 SUSAN SLATER GARRISON, Honors in
 Liberal Arts and Sciences
 ANN VERNIERE GRIFFEY
 KEIKO HARADA
 CAROLSUE HARR
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 PATRICIA KOMISS
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 eral Arts and Sciences
 PATRICIA LOU McNALLY

JOAN ELEANORE McNULTY, Honors in
 Liberal Arts and Sciences with Dis-
 tinction in the Curriculum
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 SALLY JEAN PETERSON, Honors in Lib-
 eral Arts and Sciences with High-
 est Distinction in the Curriculum
 ROSE MARIE REASON, Honors in Liberal
 Arts and Sciences
 CAROL MARIE SCHMIDT, Honors in Lib-
 eral Arts and Sciences with Dis-
 tinction in the Curriculum
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 Liberal Arts and Sciences with
 High Distinction in the Curriculum

In the Teaching of the Biological Sciences and General Science

CONSTANCE LOUISE ANDERSON
 BARBARA ELLEN BUESCHEL
 JEANNE ANNE CHAMPION
 CAROLE JOYCE DeLUCA, Honors in Lib-
 eral Arts and Sciences
 JOHN WILLIAM EATER, Honors in Lib-
 eral Arts and Sciences
 RUTH LYNN FINLAYSON
 MARY ANN HARRISON
 MARTHA JANE HILL, Honors in Liberal
 Arts and Sciences with Distinction
 in the Curriculum
 LARRY MICHAEL HOVEY

BETH ROCHELLE PEDOTT, Honors in Lib-
 eral Arts and Sciences
 JUDITH ALMA RUBLE, Honors in Liberal
 Arts and Sciences
 MARGARET ESTERLY SCHELLING, Hon-
 ors in Liberal Arts and Sciences
 with Distinction in the Curriculum
 DONNA LEE SHINDLE
 SUELLEN MARGARET THOMPSON, Honors
 in Liberal Arts and Sciences with
 Distinction in the Curriculum
 ELAINE PAULETTE WEISS
 SUSAN ETHEL WILLIAMSON

In the Teaching of Chemistry

WYETT HARRISON COLCLASURE II, Hon-
 ors in Liberal Arts and Sciences
 with Distinction in the Curriculum

DONNA KAY FITZGERALD

In the Teaching of Geography

MARY SUE SCHEIDENHELM

In the Teaching of Mathematics

- SHARON KAY ADE
 PAUL EUGENE BIRCH, JR.
 HELEN KATHLEEN CURTIS BRENNAN, Honors in Liberal Arts and Sciences
 SANDRA MABEL CAMPBELL, Honors in Liberal Arts and Sciences
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 PATRICIA ELAINE THOMPSON, Honors in Liberal Arts and Sciences
 DONNA LEE THOMSEN, Honors in Liberal Arts and Sciences
 CHRISTINE ANDERSON WOLFE, Honors in Liberal Arts and Sciences

In the Teaching of Physics

- PENELOPE SUE KIRK, Honors in Liberal Arts and Sciences

COLLEGE OF LAW

Degree of Bachelor of Laws

- DAVID APTER, A.B., 1961
 DONALD JAMES BADER, B.S., 1962
 DOUGLAS BOYD BAILY, B.S., Beloit College, 1959
 HARVEY BERT BASS, B.S., 1963
 RICHARD EARL BROWN, B.S., 1962
 ANGELO PAUL BRUSCATO, A.B., Marquette University, 1961
 WILLIAM THOMAS CAISLEY, A.B., 1962
 EVELYN ALICE SCHINDLER CANNON, A.B., Brigham Young University, 1958
 DAVID MAURICE COHEN, A.B., 1962; Honors
 WALTER LEWIS CROWLEY, B.S., 1962
 CHARLES HENRY DELANO
 FREDERICK HOMER DICKSON, B.S., 1962
 ALAN EARL EDELSTEIN
 MICHAEL H. EISERMAN, A.B., 1963
 ROBERT VERNON ELDER, B.S., 1962
 WAYNE BERNARD FLANIGAN, A.B., Xavier University, 1961
 ROBERT GILDER FREEMAN, A.B., 1961
 JAMES EDWARD FUSON II, A.B., Millikin University, 1959
 GERALD LOUIS GAFFNER
 JANE GERSBACHER, A.B., Newcomb College, 1961
 JAMES WILLIAM GILLMAN, B.S., United States Naval Academy, 1956
 JAMES LOUIS HAFELE, A.B., 1962
 KENNETH LEON HARRIGAN, A.B., 1962
 SAMUEL GLENN HARROD III, A.B., Eureka College, 1963
 DAVID BARBER HIPP, B.S., University of Notre Dame, 1961
 HAROLD MADISON JENNINGS, A.B., 1962
 LESLIE DEAN KAMPSCHORR, B.S., 1961
 JAMES LEE KAPPEL, B.S., St. Louis University, 1962
 LLOYD ARTHUR KARMEIER, B.S., 1962
 RONALD ALBERT KIENLEN, A.B., University of Notre Dame, 1961
 JAMES DANIEL KING, A.B., Pomona College, 1961
 KENNETH ALLEN KNUTSON, A.B., Augustana College, 1961
 DAVID LEE LANGE, B.S., 1960
 LESLIE GENE LEMON, B.S., 1962
 CHARLES DEAN LEWIS, B.S., 1961
 FRANK WARREN LINCOLN, A.B., DePauw University, 1961
 JAMES ELSTON MOLENAAR, A.B., 1959
 JAMES JOSEPH MORRISSEY, JR., A.B., 1962
 RICHARD DAVID NELSON, B.S., 1961
 JAMES BRUCE O'BRIEN, A.B., 1962
 LEONARD WERTZ PEIRCE, B.S., 1963
 PHILIP GODFREY REINHARD, A.B., 1962
 WILLIAM GEORGE ROSING, A.B., 1961
 DENNIS ROLAND SCHLEMMER, B.S., 1961
 THOMAS ROY SMITH, A.B., DePauw University, 1961
 MARTIN PETER SPAGAT

HARRY EFFINGER STEWART, B.S., 1961
 JAMES CARL SWAIN, B.S., College of
 Charleston, 1961
 EARL ARMOUR TALBOT, A.B., Wabash
 College, 1961
 KENNETH ROBERT TELLEN, A.B., 1961
 BERNARD ANTHONY VALLERO, B.S.,
 Northwestern University, 1959
 JOHN CARL WEINMAN, A.B., 1962
 WILLIAM COOK WETZEL, A.B., Univer-
 sity of Notre Dame, 1961

CHARLES EDWARD WHALEN, A.B., 1962
 ROGER LEROY WILLIAMSON, B.S.,
 Northwestern University, 1961
 DAVID CHARLES WOCHNER, B.B.A.,
 University of Notre Dame, 1961
 ALLAN LIONEL WOLYNEC
 REUBEN SUN FAI WONG, B.S.,
 University of Hawaii, 1958
 PETER ANTHONY ZAMIS, B.S., 1962

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

VALERIE OLSSON ANDERSON
 LINDA LEMMON BIGELOW
 JANET SPROULS BREMICKER
 JOE LUTHER CARTER
 VIRGINIA ANN CHEFFER
 WILLIAM GEORGE CLEMENTS
 SHARON ELIZABETH DITTMAN, High
 Honors
 JAMES ROBERT DUDLEY, Honors
 PATRICIA ANN EGAN
 JOANNE GIALLOMBARDO
 SHARON EHRLWALD GORDON
 SANDRA ELIZABETH HEBERLING
 SALLY LYNNE HEIDENBLUT

DARYL JOY JENKS
 CAROL ANN JOHNSON
 RUTH ANN LENCZYCKI, Highest
 Honors
 JOYCE ANN MILLER
 ERNEST GUENTHER-SIEGMAR NOACK
 JUDITH MARIE PITELKA
 JUDITH RENAULT REESE
 PEGGY JEANNE SIMMONS
 ANITA LOUISE SLUTZKY
 JANE ELIZABETH TRAMPE
 JAMES STEVEN UNGER
 LAWRENCE ROBERT WORKMAN

In the Education of the Deaf

JANET LORRAINE GASTON
 JANICE MAY LINDGREN
 SHARON KAY RATHE

BARBARA CULLEN SHEPHERD, High
 Honors
 BARBARA WHITE

In the Education of Mentally Handicapped Children

CAROL DIANE BRUNO
 SUSAN CAROL FALLON
 SUE-ANN FRIEDMAN
 NANCY STAKIS HAUGEN, Honors
 MICHAEL JOSEPH JAKUPCAK, JR.,
 Honors
 NANCY CAROL PETRI
 GAIL ELIZABETH PORTER, High Honors

JANE TERRY ROSS
 BETTY GREENSPAN SCHENK, High
 Honors
 JANET ANN STEPANEK
 MONICA IRENE STEPHENSON
 CAROLE LINN ZEHR
 CAROLE WILMARTH ZISSIMOPOULOS,
 Honors

In Elementary Education

BONNIE LEE AARON
 CAROL DAVIS ANDERSON
 DONNA HARRY ARNSTINE
 MITCHELL FENTON ASHER
 MELVIN SANFORD BAGAASEN
 JOY MARY BARTSCH
 CAROL MAE BAUGHMAN
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 BETTY JEAN BORLING, Honors
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 MARY ANN RITCHIE ENLOW
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 JUDITH MARIE FICKEN
 LYNN ELIZABETH FOLKINS
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 ANN CARTER JOHNSTON
 KAREN MACKAY JOINER
 ARLENE GOETZ JOLLY
 DONNA THOMAS JONES
 MARIAN JOYCE KADLEC
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 Honors
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 SARA CRIPPIN KNIGHT
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 JANET ANN LARSON
 NANCY JAYE LAZAR
 ARLENE ADRIENNE LEFKOWITZ, High
 Honors
 EVELYN LEVIN
 LINDA RUBIN LEVINSON
 JEANETTE ELIZABETH LEWIS
 SHARON RAE LIEBERMAN, High Honors
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 THERESA ANN LIERMAN
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 VIVIAN JEAN LONDOS
 JUDITH YANNETTA LOPEZ, Honors
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 SHARON LYNN ROSEN
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 JUDITH LEE SALONE
 BARBARA RENAY SCHECTER
 MARY FRANCES SCHERER, Honors
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 SHARON SUE SCHWARTZ
 SHARON KAY SHINE
 MARLENE JANICE SILVER
 GLENDA MARTIN SKOLASKI
 LILLIS KAY FLANDERS SMALL
 JEAN MARIE SMITH
 MARCIA LAUREL SMITH
 SHARON RAE SMITH
 LOUESA PEDIGO SNYDER
 ELTA McDONALD SPEISER
 KAY STEPKN
 JOHANNA CYNTHIA STONE
 CAROL JEANNINE STORM
 ELLEN SERVER STRUSNER
 SUSAN ANITA STUDEMANN, Honors
 NANCY GAIL SWEET, High Honors
 DIANE ANNETTE SWENSON, Honors
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 DIANA KAY TEEL
 RUTH WOODRUFF TEEL
 KAREN LEE TOBECKSEN
 KAREN LOUISE TRANQUILLI, Honors
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 EMILY VANCE
 MARY ANN VICARS
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 SALLY DIANNE WATSON

BARBARA FRANCES WEINSTEIN, High Honors
 KAREN BETH WEINTRAUB
 BEVERLY HELEN WHITE
 JANET JO WIEAND
 VERONICA JUANITA WILLIAMS
 BARBARA REYNOLDS WILSON
 SUSAN ANN WITT

MICHELE SUE WOLFE, Honors
 NANCY LEIGH WOLFF
 NORMA JOYCE WOOLLEY
 THELMA MAE WOOLLEY
 VIRGINIA LYNN YOUNG, High Honors
 JOYCE MARIE ZABINSKI
 LYNNE ZELKIN, Honors

In Industrial Education

NED WILLIAM BACHELDOR
 THEODORE DAVID BLOCK
 MELVIN NICHOLAS JENT
 DAVID JOHN MIHEVC
 HERBERT HARUKI OKAMOTO

DONALD EDMUND PERRERO
 WILLIAM RAMSDEN PUNKAY
 THEODORE FRANKLIN STRANCZEK
 BERT LLOYD SWEAT
 LAWRENCE RUSSEL TRIPPIEDI

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

PAUL ALPERN
 PAUL BENNETT ANKIN
 JAMES JAY ARADO
 HARRY JOHN ASHNER
 WILLIAM PATRICK BERRY
 DUSAN ANDREW BLAHO
 ALLAN MARTIN BLOCK
 NEAL JAY BLOCK, High Honors
 WILLIAM HOWARD BLOOM, Honors
 JAMES LEE BOLLWINKLE
 JERRY DALE BOOSE
 ALAN SANFORD BRAMSON
 SHELDON ARNOLD BRODER
 CHARLES ALLEN BROWNFIELD
 TERRY RICHARD BURKE
 PHILIP EDWARD CAREY
 NORMAN GUSTAF CARLSON
 STEPHEN JOHN CHOBOT
 ALLEN ROGER COTTRAL, Honors
 EDWARD NORMAN COVICI, Honors
 DONALD LAWRENCE DIXTON
 ALAN Sessel DOCKTERMAN
 DONALD JAMES DONNELLY
 WILLIAM DARRELL DUDLEY
 BURTON MYRON EISENBERG
 ROBERT WILLIAM ELLIS
 TERRY LESTER ENGEL
 CHARLES BENSON ENGVALL
 JOHN KENNETH FAIRIS
 ALLEN HOWARD FEIGE
 JAMES HAL FOX
 THOMAS JOHN FRIEDL
 MICHAEL RAYMOND FRIEDRICHS, Honors
 MICHAEL LYNN FRIESE
 BARBARA JEAN FROSS
 JORDAN EDWARD GLAZOV
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 RICHARD ALAN GORDON
 PENELOPE ANN GRABOS, High Honors
 CHARLES LEON GREEN
 MICHAEL GROBSTEIN, Honors
 PAUL OTTO GROSS
 NATHAN MELVIN GROSSMAN

MILES NEIL HARTMAN
 MARK DAVID HELLMAN
 MARGO MAE HENDRIX
 JOHN EDWARD HENRY
 JAMES LANSING HOLBROOK
 SEYMOUR JOSEPH HORWITZ
 LYNN LOUIS HUMBRACHT
 ROY CHARLES ICENOGLI
 JACKIE LEE JAMES
 DARRELL RUSSELL JOHNSON
 RICHARD ALAN JOHNSON
 ROBERT GEORGE JOHNSON
 PHILIP HOWARD KAPLAN
 RICHARD NEAL KAPLAN
 OTTO HERMAN KAUFFMANN
 ARNOLD DAVID KAUFMAN
 PAUL STUART KAYMAN
 BENJAMIN KENDALL
 RONALD LANE KIDDOW, High Honors
 JOHN JOSEPH KILLIAN, JR.
 THOMAS EUGENE KILPATRICK
 GEORGE JAMES KOTTY
 JEROME BARRY KRULE
 RAYMOND LESLIE KRUPP, Honors
 PETER ANDREW LARSON, Honors
 ANDREW HARRY LAWRENCE
 LEN LAWRENCE LEFEBVRE
 MORTON ALLAN LEVY
 ROBERT JAY LEWIS
 DENNIS ROBERT LITZ
 ELMER HARRY LOREK
 LINDA MARTIN
 STEVEN DAVID MASUR, Honors
 JAMES WISE MATHEWS
 LAWRENCE ELBERT MAUS
 RONALD WILLIAM MCCANE
 JAMES ARTHUR MEYER
 DONALD JACK MILLMAN
 DONALD REID MITCHELL
 RONALD MARCUS MOSER
 DAVID EDMUND MOSS
 MARILYN VELMA NEUMANN
 PAUL MARTIN ORZECZ

PHILLIP ROGER PEARSON, Honors
 GENE ALLEN PETERSEN, Honors
 BRUCE ALAN PETERSON
 ROBERT KEVAN POLOVIN, Honors
 DAVID LEE POPEJOY
 KENNETH WAYNE POTENBERG
 WILLIAM RICHARD PRICE
 RICHARD ALBERT PRITCHETT
 LeROY JOSEPH PRZYBYLSKI
 ROBERT HAMILTON RENNICK, Honors
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 JERRY IAN RUDMAN
 PETER MARK RUZEVICK
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 LEON JEROME SCHACHTER, Honors
 GAIL EILEEN SCHIFFER
 WILLIAM PETER SCHWARZ, Honors
 SUE ANN SELBY
 LAWRENCE LEE SENGER

MARTIN SEWARD
 IRWIN ROBERT SHECHTMAN, Honors
 DANIEL LEE SHELLIST
 CHARLES SHELDON SIMON
 GEORGE WILLIAM SMITH, JR.
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 MICHAEL ALLAN ZELMAR

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DOUGLAS FARRELL MITCHELL
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 STEPHEN BUDDY YACHNIN, Honors

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 BARRY RICHARD DUKE
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 JOSEPH ROBERT FERRINI
 CHARLES ALAN FINKEL
 DAVID HAROLD FISHBURN
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 JAMES FRANCIS KADLEC
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 ROLAND FRANK LEISCH

GEORGE JOSEPH RODOSKY
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 DONALD LEE SCHRUMPF
 RONALD MERRITT SCHUTZ
 LEWIS NEVIL SKYERS
 ROBERT WAYNE SMLER
 WILLIAM ORREN STAEHLIN
 ROGER BRUCE SWIFT
 RONALD STEVEN URKOVICH
 JOHN PHILIP ZENTNER

In Industrial Administration

LARRY ARTHUR BEAR, Honors
 ROGER WILLIAM BRODT

ROBERT LOUIS GETTS
 GLENN RICHARD HANSEN

BRUCE WAYNE HARRIS
JAMES ERNST MALMBERG
GERRY CHARLES NELSON
BRIAN ALBERT RUCHALSKI
CLAUDE LOUIS SABINO

DEAN KENYON SMITH
WAYNE KARL SMITH
FREDERICK HENRY THOMPSON
JAMES SCOTFIELD UNDERWOOD III

In Management

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DONALD ALLEN BLUM
RONALD KEITH BRINK
MICHAEL LEWIS COHEN
JEFFREY ALLEN EISENBERG
RODNEY LEE EVERHART, Honors
JUDITH ANN FARBER
ALAN JAMES FOLK
THOMAS LAWRENCE GIGLIO
DAVID LESTER HUTCHINSON
STEPHEN WAYNE KOONTZ
ALAN MICHAEL LEZAK
ROBERT WILLIAM LIPPERT, Jr.

GERALD LYNN LONG
LUDWIG FRANK MACH
MARK VERNON O'DANIELL
DAVID AARON PASHKOW
JOHN STEVE PATTERSON
DONALD GREY PURYEAR
RICHARD JAMES RAMSTEDT
HENRY GUNSAULUS SCHUELER
LYNN J. SNYDER
ROBERT WAYNE STORM
JAMES DAVID TIBBETTS
LEONARD EUGENE WEBSTER, Jr.
JAMES LEE WILSON, Honors

In Management and Marketing

BRUCE EDWARD BAUMAN

In Marketing

JOAN MARIE BARSKI
EUGENE LOUIS BERGERON
CHARLES KENNETH BLOOD, Jr.
PHILIP SHELDON BLOOMBERG
ROGER SCOT BOWMAN
PHILLIP ROBERT BUDD
WAYNE BUETTNER
HENRY SHOU-MAY CHA
GEORGE MICHAEL CHARNOTA, Honors
DAVID ALLEN DANDURAND
KATHLEEN MARIE DAWES
JOHN DAVID FOX
HOWARD FRANK
DANIEL GRIFFIN GALLAGHER
RONALD ALAN GAYER
PAUL ERNEST GEDDIS
JAMES PAUL GRAZIANO
BRUCE ALAN GROHNE
ROLAND VICTOR HOLM
JAMES CRAIG JOHNSON
JAMES ARTHUR KELLY, Jr.
MARTIN ALLEN KLINGEL
ROBERT JOHN KURINSKY
MICHAEL JAY LANGDON

JAMES PURCELL LOSER
PATRICIA ANN MICHEIL
ROBERT HENRY NASLUND
PETER CORNELIUS NEWKIRK
FRANK CHARLES NOBLE
DENNIS KEITH OMUNDSON
RICHARD DERMANSLY PADNOS
ARTHUR WILLIAM PETERS
JAMES DOUGLAS POSEY
FRANK JOHN PYTEL
KENNETH JOHN SARSHA
ERNEST JAMES SCHALK
GEORGE EUGENE SCHRANK
SANDRA ANN SPRINGBORN
DALE ROY STEGEMILLER
WILLIAM JOHN STERRITT
RICHARD LOWELL STUCKER
OTTO THOMAS THOMAS
GARY ALLEN TOPPER
FLORENT GERALD VAN DYCK
HOWARD LESLIE WAGNER
CHARLES JOSEPH ZEMAN
JEROME DAVID ZERKEL

In Secretarial Training

MYRNA KAY CANFIELD
GAYLE HOFFMANN CHOBOT
RITA MARLENE ENNEN
LOIS ANN GOODELL

JANE ANN HELLER
BARBARA JEAN MAYER
RITA JEAN MEIERS
MERRYBETH ROSA SEAVEY

In Urban Land Economics

JOHN NEVIN DICKIE, Honors
WARD FULFER McDONALD

GEORGE ANTON NOVY
ROBERT DUQUESNE STOOHOFF

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Communications

GLADYS HARRIET ACKERMAN, Honors
ANNILEE LUCILLE ARMSTRONG

CAROLE BELIMOW
CYNTHIA LOUISE BELLOWES

MARGARET GRUENINGER BIRK, Honors
 ROBERT MICHAEL BLACHER
 JANE GRIFFIN BODMAN, High Honors
 JOHN JOSEPH BREEN
 ELWOOD ALLAN BRENT
 THOMAS EDWARD CARUSO
 RONALD WILLIAM CASSON
 RICHARD KEITH COLLOPY
 JAMES EDWARD CRACKEL
 JOSEPH HARRY DOWELL
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 ROGER JOSEPH EBERT
 JOHN FREDERICK FERRELL
 DENNIS MICHAEL FINNERAN
 JOHN CHARLES GAWNE
 KATHLEEN MARIE GEORGE
 MARLENE DENISE GEORMAN, Honors
 ROBERT PETER GUNDERSEN
 BRUCE DAVID HANDLER, High Honors
 SHERIDAN McCANN HANSEN
 JAMES MICHAEL HANSON
 JOEL LANNING HARTMAN
 JOHN ELMER HENDRICKS
 DONALD ALISON HENRY III
 JUDITH RIEGER JENNINGS
 CAROL ANN KASL, Honors
 JOHN MICHAEL KEEFE, Jr.
 JAMES CURTIS KNOX
 RICHARD LEE KNOX
 CAROLE MARIE KOLENS
 ROBERTA JUNE KURTZMAN
 JOAN DONNA LAPINE
 LOIS RUTH LEVY

JANICE GAYLE LIND
 BEVERLY KAY MAEDA
 THOMAS DUANE MANDEVILLE
 PAUL MARTIN MAZGAJ
 CAROLYN ALBERTA MILLS, Honors
 JOHN PAUL MOCKENHAUPT
 MARY SCHNITTKER MUNSON, High Honors
 WILLIAM LOUIS NACK
 MERLE BETTIE NADLIN
 THOMAS JOSEPH NEFF
 LINDA MARIE NOVACK
 FLOYD WILLIAM OSTERMAN
 JAMES FRANCIS PECORA
 CHARLES EDWIN QUARNSTROM
 PEGGIE CRISTINA RICHARDSON
 THOMAS PATRICK SABIN, Honors
 DARRELL LYNN SAMET
 WILLIAM ALFRED SCHILLER
 ROCHELLE HARRIET SHERLING
 BETSY RUTH SIEGEL
 THEODORE LEONARD SODERGREN
 CAROL ANN STEVENS
 NANCY KATHRYN STRATMAN
 GEORGE GREGORY TAUBENECK, Honors
 LYNDELL DALE WALLIS
 MARY FRANCES WARE
 WILLIAM HARRY WEINTRAUB
 DAVID JOSEPH WEISS
 JANET WHITNEY
 JOHN PATRICK WIESE, Honors
 JILL SUSAN WINE
 FRANK CHARLES ZAHOUR, Jr.

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Architecture

OSMAN MOHAMED ABUSHAIRA
 STANLEY LEONARD ANDERSON, Honors
 HOMAYOUN MIR ARJMAND
 WARREN STANNARD BAKER, Honors
 BARTON HENRY BARROW
 WALLACE WILLIAM BATES
 NATHANIEL BOYD, Jr.
 EUGENE RONALD BRESE
 KENNETH NAYLOR CLARK, High Honors
 SLOBODAN VOJISLAV CURCIC, High Honors
 ROBERT JOHN DEME
 JOHN DAVID DUELL
 WILLIAM HENRY DUNN, Jr.
 RONALD FRANK EDWARDS
 THOMAS LEE ELLIOTT, Highest Honors
 WILLIAM HORACE ERWIN, Honors
 ALFRED LAWRENCE ESPINOZA
 JACKSON HILL FAHNESTOCK, Jr.
 ALAN JEFFREY FOX
 ROBERT MELVIN FRIEDMAN
 ANTHONY RICHARD FRIGO
 JOYCE MICHIO FUJIMOTO
 JON ALBERT GOEDDE
 KARL HARTNACK
 HOWARD HERMAN HUMBURG

BENNETT MACCUNAIG JOHNSON
 RONALD WAYNE JONES
 GEORGE WILLIAM KASPER
 ROLAND RAY KEHE
 DENNIS HEE JOONG KIM
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 JOHN ROBERT LA CONTA
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 RONALD DEAN LINDGREN, Highest Honors
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 EUGENE ANTHONY MACIASZEK
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 CHARLES RAYMOND NASH
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 DEBORAH MACY PRATT
 LESTER EDWIN ROSENWINKEL
 DERWOOD DEAN SCHROTBERGER
 THOMAS WILLIAM SHEEHY
 JERRY LOUIS SMANIA, High Honors

ROBERT JAMES SORENSEN
 JEROME ALLEN STEFANI
 JAMES PHILIP STEINFELS
 JOHN COLBURN STEINMANN
 MICHAEL JAY STEPNER
 LAURENCE ELWOOD SVAB, Honors

RAYMOND LYNN TETZLAFF
 CHARLES MILTON TINDER, Jr.
 RONALD EDMUND WAGNER
 RONALD EMORY WALKINGTON, Honors
 KENNETH DAVID WERTZ
 DENNIS NICHOLAS WONDERLICK

Degree of Bachelor of Fine Arts

In Advertising Design

GEORGE CALVIN BRUCE
 JANE GAYLE CULLEY
 CAROLYN SUE DAVENPORT
 GEORGIA ALLEN FRIGGLE
 JANET ANNE HAMILTON
 BRENDA SUE NELSON HAYES
 JAMES CAROL HERTTHER
 JUDITH ANN HOLPUCH
 HAROLD ELDON HUSSUNG
 ROBERT EMIL HUTZENLAUB
 CAROL LOU SIZEMORE ISBERG

DARLENE ELIZABETH JOHNSON
 BRIAN MURRAY KATZ
 ROBERT HENRY NELSON
 JOHN HELMUT PACYNA
 ALFORD LEALOUS RODGERS, Honors
 KAREN JOANN RUSSELL
 KENNETH WAYNE TAISHOFF
 GUENTHER TETZ, Honors
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 BOBBIE SAMUELSON ZELIP

In Art Education

ADRIENNE BEHRSTOCK AARONSON
 MARLENE BETH ANDALMAN
 LINDA LOU STUMP BEAZLEY, Honors
 JUDITH NATALIE BENNETT
 GERALD KENNETH DEASY
 HONG TATT FOO, High Honors
 JOANN FREEHILL
 CAROL JEAN HAPPEL
 ALBERT FREDERICK WILLIAM JAEGER, Jr.

RICHARD JAMES KARRELS, Honors
 PENNY HULT LINFORD, Highest Honors
 JEAN ANN MAGNER
 FERN ALYCE MARMIS, High Honors
 BEVERLY LYNN MILLER
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 ROSALIE JANET SMOTZER
 BARBARA JEAN TAUSSIG, Honors

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RAYMOND THOMAS SPARKS

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ROBERT WILLIAM DOHM
 JAY ALLAN DONIGER
 NORMAN ROLAND FURST
 MARK EDWIN HOUMARD
 TERRY ALLAN JOHNSON, Honors
 RICHARD ARNOLD KRIOZERE

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 RIMVYDAS ANTHONY TVERAS
 KEITH LEWIS WALLACH, Honors
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 GERHARDT HENRY FELGEMAKER
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 JOSEPH LESTER GERACI
 CHARLES HARRIS GOUVEIA
 VINCENT FRANK NAUSEDA

JOSEPH NOAH NEVIUS
 CHARLES HOBART PETERSON
 THOMAS LeROY STEPHENS
 CHARLES HANSEN THOMSEN
 CHARLES SHELDON TUROFSKY
 ROBERT BRUCE WHITE

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SARAH HUDSON BENNETT, Honors
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 JOANN BERNREUTER CALDWELL, Honors
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 SUE PERRY GEBHARDT, Honors
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 HAROLD JOHN HANSEN, Honors
 SUSAN LEVIN, Honors
 BARBARA SCHUCKER MARQUARDT
 REGINA MARY MATUSEVICIUS

HOLLY BETH MEILSTRUP
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 EVAN ERROL SOMMERFELD
 GORDON DAVID WINE, High Honors
 DOROTHY YAYER, Honors

In Sculpture

FREDERICK VANDOVA GLOVER

JAY STEWART WILLIS

Degree of Bachelor of MusicWILLIAM STEWART PARSONS, High
HonorsKAREN CARLSON ROGERS, Highest
Honors

LAWRENCE EUGENE WELLER, Honors

Degree of Bachelor of Science*In City Planning*

DALE GORDON BAGBY, Highest Honors

LEON THOMAS KOTECKI

In Music Education

FREELYN ALICE ARBEITER
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 ANN LORENE CERVERA, Honors
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 ALAN CHESTER DAVIS
 GRANT WITTWER DOUGHERTY, Honors
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 REBA ANN HUMPHREY
 DIANE SUE HURD, Honors
 MARILYN KATHLEEN KEMP

JOHN STANLEY LYON
 ELLEN MARIE MARTIN
 CURTIS LEE MCCARTY
 SHARON LEE MOONEY
 JANET MCCABE MOORE, High Honors
 NANCY ANNE NELMES, High Honors
 ROMAN RAY PALMER
 NORMA KAY RIDDLE, High Honors
 JOEY ROYCE SCHWAEGL
 LINDA KATHLEEN SHONTZE, Honors
 SUSAN RIXMANN SMALL
 ANNA MAE SOKOLOFSKI, Honors
 PHILLIS JOYCE VAHALA
 LAWRENCE EUGENE WELLER, Honors

COLLEGE OF PHYSICAL EDUCATION**Degree of Bachelor of Arts***In Dance*

MARY ESTELLE GREENWAY

Degree of Bachelor of Science*In Health Education*

GEORGE DAVID BURGESS

In Physical Education

PATRICIA RAYE ALEXANDER
 LENORA JEAN BORMET
 RILEY FRANKLIN BRIDGERS
 GARY VERNE BURTON
 ALLEN BARRY CARIUS, High Honors
 ELLEN JANE CARR
 DIANA LEE CHERN
 HUGH FRANCIS DORAN
 LAVERNE ROSE DULEBA
 JEFFREY LEE FERGUSON
 NANCY JEAN FERGUSON
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 GEORGE JOHN GALLA
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 ALFREDAS PETRAS KLEINAITIS
 THOMAS LEE KOENIG

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 WILLIAM ALFRED LAPETRA, Honors
 ALAN KENT LARSON, High Honors
 CHRIS ANTHONY MILEISIS
 MARY ANN FELICIA MITIU
 DENNIS HAROLD MOLL
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 HOWARD SHELDON OLEFF
 WILLIAM JOHN ORMSBY
 JAMES LEMUEL PLANKENHORN
 PAULA MARIE POWERS
 MARVINIA MAE RANDOLPH, Honors
 FREDERICK DENNIS ROBIN
 JAY IRA SILVERMAN
 VIRGINIA SUSAN SOWIZAL
 JANE FRANCES SPEISER
 GEORGIA LOUISE STEFFENS
 LASLO ERNIE TAKO, Honors
 JAMES MILO THOMAS
 TONI N. TIFT, Honors
 EDWARD RONALD TOMAN

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NORMAN LEE WILLIS
TERRY ROBIN YEAGER

In Recreation

CARYN ROSEN ADELMAN
ARLEEN RUTH BAKER, Honors
SHARON BEVERLY COFFMAN
AUSTIN LOUIS DUKE
ELIZABETH ANN ERSKINE
RAYMOND JOSEPH FROEHLICH
ALAN FREDERICK GOTTLIEB
DAN WILSON KENNEDY

SUSAN ANN McMULLEN
SONYA ANN MENSENKAMP
CAROL ANN PETERSON, Honors
DONALD JOSEPH PUCHALSKI
SUE BRONA ROSENZWEIG
LAWRENCE HENRY STERN
MARY DEMMAREE SUNKEL

COLLEGE OF VETERINARY MEDICINE

Degree of Bachelor of Science

In Veterinary Medicine

MIRIAM RISA ANVER, Honors	JOSEPH THOMAS LOWRY
RONALD LEE BAYLOR	CLYDE DAVID McLAUGHLIN
YESHAYAHU BEN-HUR	EDWIN LEWIS McLAUGHLIN
GARY WAYNE BRANDT	KAREN ELIZABETH McNEIL
SALVATORE MICHAEL CIRONE	ROBERT WILLIAM MEAD, Honors
DON WEBSTER COATS	ROSE ANN PELLEGRINO
SUSAN MARY COTTER, Honors	CURTIS ALLYN PERRY
JERRY WAYNE DAVIS	DAVID ALAN RHODA
WINFRED DUANE DEAN, Honors	MICHAEL PHILIP RILEY
STEPHEN KOCH DERWELIS, High Honors	JAMES LLOYD RISING
WILLIAM BRUCE DOUGLAS, Jr.	ERNEST STEPHEN SAUERS, Honors
ROGER GALE DOZIER, Honors	GRADY LEON SKAGGS
ALLAN FREDRICK FRANK	CAROL ANNE SPEARS
ROBERT WESLEY GIBBONS	CHARLES DALE SPENCE
DENNIS ROBERT GROOM	THOMAS BRENNEN STEFFEN
RICHARD GLENN HAARS	DENNIS RAY STUBBLEFIELD
GERALD LEE HENRIKSEN	TIMOTHY LAWRENCE SWIECKI
DENNIS KAY JOHNSON	TED CLARK WALTERS
RONALD ALAN JOHNSON	JOEL KEITH WESSON
JOHN THOMAS KELLY, Jr.	WILLIAM HOWARD WRIGHT
ROBERT LEE LACEY	

Degree of Doctor of Veterinary Medicine

SUE ELLEN ANWAY	ARTHUR FRANKLIN LIPPOLDT
JOHN BRUCE ARENSMAN	WAYNE EDWIN LUTZ
RICHARD FITZHUGH BEVILL, Jr., Honors	JERALD MICHAEL MARTELL
JOHN ALLEN BLAKE, Honors	RICHARD ELMER MILLER
RONALD WILBER CAMDEN, Honors	WILLIAM JAMES MOYLE
PAUL LEE CARON	WILLARD BURTON NELSON, Jr.
HAROLD HALLAM CLARK	ROBERT AARON NIEDERMAN
EDMOND ARBER COCKS	CHESTER FRANK PALMER
DANIEL LEE CORNELL	NEVEN ALEKSANDAR POPOVIC
DONALD EDWARD COULTER	JOHN WILLIAM SAGARTZ
GEORGE GERALD DOERING	DELMAR WAYNE SCHLEDER
JOSEPH LAWRENCE DORNER	JAMES DAVID SMALL
ROBERT WILLIAM DYGERT	NICHOLAS SZLUHA
NORMAN LESTER EARP	JAMES MILTON TUCKER
JACK DALE FRANKLIN	KENNETH LEE WALKER
AUSTIN JAMES FURLONG	BARBARA CECILE WESTPHAL
CYRIL J. GREENSPAN	LARRY EUGENE WILSON
HERBERT HARDWICK	JAMES ARTHUR YOUNGREN
VIRGIL EUGENE HOCKGRAVER, Honors	BARRY EUGENE ZONKEL
WILLIAM KENT KERR	

*Degrees Conferred at Chicago***HONORARY DEGREES****Degree of Doctor of Arts**

VIRGIL MELVIN HANCHER, A.B., A.M., J.D., LL.D., L.H.D., Litt.D., LL.B., D.C.L.

GRADUATE COLLEGE**Degree of Doctor of Philosophy***In Biological Chemistry*

JOHN RALPH EDWARDS, B.S., Illinois Wesleyan University, 1959
RALPH RAYMOND GANTT, A.B., Blackburn College, 1958
ERICH LEONHARDT GIBBS, A.B., Harvard University, 1959
CAROLINE ELISABETH HARDY, B.S., Wheaton College, 1960
LEON MAURICE LERNER, B.S., M.S., Illinois Institute of Technology, 1959, 1961
EDWARD PAUL PREVIC, B.S., Carnegie Institute of Technology, 1953
ROBERT F. SKORA, A.B., Kalamazoo College, 1956

In Chemistry (Pharmaceutical)

ANGEL SEVILLA ARAMBULO, B.S., University of the Philippines, 1950; M.S., 1952
DAVID B. KATAGUE, JR., B.S., University of the Philippines, 1955; M.S., 1962

In Microbiology

ROBERT LEANDER GUSTAFSON, B.S., University of Chicago, 1959; M.S., 1962
BERNARD RICHARD TESS, B.S., Loyola University, 1958
EUGENE MAXIMILLIAN VAICHULIS, B.S., University of Notre Dame, 1959; M.S., 1961

In Pharmacology

LORENZ MARTIN HOFMANN, B.S., M.S., 1959, 1961

In Physiology

GLADYS ATKINS, B.S., Louisiana College, 1956; M.S., Louisiana State University, 1958
DAVID SHERWIN MAILMAN, B.S., University of Chicago, 1958

Degree of Master of Science*In Anatomy*

BIRUTE PLESKYS JAKSTYS, B.S., 1960
PATRICIA SCLAFINI TORNHEIM, A.B., Rosary College, 1961
ELAINE BLUME WILSON, A.B., Swarthmore College, 1958

In Biological Chemistry

GRAHAM ARTHUR ROGENESS, A.B., Dartmouth College, 1960
ARNOLD DAVID STEINBERG, D.D.S., Northwestern University, 1954

In Chemistry (Pharmaceutical)

VINCENT CHUKWUGOZIE AGWADA, A.B., Eastern Nazarene College, 1955; M.S., Western Illinois University, 1961
KAREN ROVER SANDBERG, B.S., 1961

In Histology (Dental)

EMILE MOORES DAVIS, B.S., Fort Valley State College, 1942; D.D.S., Meharry Medical College, 1948
WILLIAM FRANCIS MALONE, D.D.S., Northwestern University, 1955
DONALD HORACE NEWELL, B.S., D.D.S., 1956, 1958
JAIME PIETROKOVSKI, D.D.S., University of San Marcos (Peru), 1955
NORMAN DAVID ROTBLAT, B.S., 1961
MICHEL TAGGER, D.M.D., Hebrew University (Jerusalem), 1959
ROBERT EUGENE WILLIAMSON, B.S., D.D.S., 1960, 1961

In Microbiology

JAMES VERNON KOPF, B.S., University of Akron, 1962
 JANET JOAN SIEBER MEYLE, A.B., Valparaiso University, 1962
 LEONARD THOMAS MOLANDER, B.S., Loyola University, 1962

In Oral Pathology

LEE BRIAN SILVERGLADE, B.S., D.D.S., 1957, 1959

In Oral Surgery

HAROLD ROBERT BAYNE, D.D.S., 1961
 SIDNEY PESKIN, B.S., D.D.S., 1958, 1960

In Orthodontics

NORTON ALVIN EISENBERG, D.D.S., Ohio State University, 1962
 RICHARD GREY LORD, B.S., D.D.S., 1958, 1960
 ELSA LO CIOCON SEITON, D.D.M., University of the East (Philippines), 1957
 Major Adviser: ALLAN G. BRODIE, D.D.S., Ph.D.
 DAVID M. SOLOMON, B.S., Fordham University, 1956; D.D.S., University of Maryland, 1960
 LAWRENCE DEXTER WOODFORD, B.S., University of Toledo, 1958; D.D.S., Ohio State University, 1962

In Pedodontics

JOHN ARISTIDIS GALLIOS, A.B., Wabash College, 1952; D.D.S., Northwestern University, 1956
 ROGER KAZUHIKO KUWABARA, A.B., State University of Iowa, 1955; D.D.S., Howard University, 1959

In Pharmacology

EDWARD TRACY BROWNING, B.S., Purdue University, 1961
 ROGER GENE UNZICKER, A.B., Goshen College, 1961

In Pharmacy

RONALD LOUIS FOREMAN, B.S., 1960
 JOHN HENRY LEWIS, B.S., 1962
 SONG-LING LIN, B.S., National Taiwan University (China), 1959
 ROBERT EARL PEARSON, B.S., 1962

In Surgery

ROBERT PLEASANTS GORDON, JR., A.B., Princeton University, 1954; M.D., Northwestern University, 1958
 ROGER LEE MEHL, A.B., University of Washington, 1957; M.D., University of Maryland, 1961
 JOHN JAMES MINSTER, B.S., M.D., Loyola University, 1954, 1956
 HASSAN NAJAFI-MAHALATI, M.D., Teheran University (Iran), 1954
 JEROME JAY VERNICK, A.B., University of Pennsylvania, 1958; M.D., The Jefferson Medical College of Philadelphia, 1962

COLLEGE OF DENTISTRY

Degree of Bachelor of Science in Dentistry

Conferred June 7, 1963

ARNO WILHELM BARTZ	MICHAEL VINCENT FARR
JOHN MARCELLUS BEATTY, A.B., Southern Illinois University, 1961	HOWARD IVAN FEIG
JORDON CHARLES BLOCK	MICHAEL EDWIN FESLER
JOEL LEON BURMAN, B.S., 1959	CURTISS ORVAL FLOYD
PATRICK JAMES CANADAY	MICHAEL JOEL GEBHART
STEVEN PAUL COLLINS	MICHAEL DAVID HAYWARD
JOHN THOMAS CORSTEN	ROBERT MARSHALL HEWITT
ROBERT STEPHEN DENSFORD, A.B., DePauw University, 1961	MORRIS ALVIN HICKS
DALE RICHARD EISENMANN, with Honors	RONALD MAURICE HIGHTON, B.S., Roosevelt University, 1961
	LEO LUCAS JAEGER, with High Honors
	ROBERT RICHARD JENSEN

ROBERT EARL JOURGENSEN
 GEORGE IRWIN KAGAN, B.S., University
 of Chicago, 1961
 FRANK JAMES KEROUX, A.B., Knox
 College, 1961
 KARL WYLDE KNEWITZ
 GUSTAV ROBERT KOZINA
 JOHN CHARLES KRISCHKE, A.B., North-
 western University, 1961
 STEVEN YOSHIKAZU KUMAMOTO
 RICHARD MELVIN LAINSON
 THOMAS WALLACE MANSFIELD, B.S.,
 1961
 RICHARD PHILIP MARTINO
 ALLEN DAVID MARKS
 VYTAUTAS ROMUALDAS MOCKUS
 KENNETH PAUL MOLNAR, B.S., 1960
 DON RAYMOND MORRIS

ROBERT JAMES NUDERA
 BRIAN CARL PAINTER
 MICHAEL STUART PATNER
 JAMES WILLIAM PAUL, B.S., St. Louis
 University, 1957; M.S., 1961
 WILLIAM ANDREW SCHACKEL
 DUANE EUGENE SOLDATI
 JAMES ALLEN SPELICH
 ROBERT VINCENT STARVEL
 EDWARD STUART STERLING
 LEE JOHN STOPOULOS, A.B., Augustana
 College, 1961
 RICHARD LEWIS TEGA
 MICHAEL ANDREW TURK
 THOMAS CHARLES VOGT
 WAYNE ROBERT WITT
 ROBERT RICHARD ZENDT, A.B., Knox
 College, 1961

Conferred September 7, 1963

ERWIN GOLD

Degree of Doctor of Dental Surgery

Conferred September 7, 1963

LEWIS WILLIAM EXUM, B.S., Youngs-
 town University, 1955
 ERWIN GOLD
 ROY ALFONSO JONES, B.S., Howard
 University, 1959; B.S., 1961

ANTHONY R. PUSTELNIKAS, B.S.,
 Roosevelt University, 1958
 RONALD RUBENSTEIN, B.S., 1959, 1961

Conferred December 21, 1963

WILLIAM DEAN BROWN

GEORGE ROBERT CAVANESS, A.B.,
 Southern Illinois University, 1958

Conferred June 11, 1964

ALLEN WENDELL ANDERSON, B.S., 1962
 GUNA MARA ANDERSON, B.S., 1962
 HELMUT ADAM AWENDER, B.S., 1962
 KENNETH EDWARD BALA, B.S., 1962;
 with Honors
 ROBERT STANLEY BECKER, B.S., Beloit
 College, 1960
 JAMES ALLEN BERENS, B.S., 1962
 RICHARD JEROME BERKE, B.S., Drake
 University, 1960; B.S., 1962
 HOWARD THEODORE BLOCK, B.S., 1962
 HAROLD WILLIAM BONUS, B.S., 1962
 MELVIN BURACH BORG, B.S., 1962
 JEFFERSON COLUMBUS BROCK
 JAMES WENDEL BUCKMAN, with Honors
 DONALD ANTHONY CAROLLO
 RICHARD JAY CHROMAN, B.S., 1962
 JAMES MICHAEL COCAGNE
 NELSON THOMAS CROWELL, B.S., 1962
 SAMUEL A. DANIELS, A.B., Macalester
 College, 1958
 MICHAEL JOSEPH DAVEY, B.S., 1962
 DONALD JOSEPH DE CHRISTOPHER, B.S.,
 1960, 1962
 MAURICE DICKMAN, B.Ed., Chicago
 Teachers College, 1953; B.S., 1962
 LONALD JOE FOX
 THOMAS BLAIR FRAZIER, A.B., Mon-
 mouth College, 1960; B.S., 1962

JERRY DEAN GARDNER, B.S., 1962; with
 Honors
 GARY ALLEN GASBARRA, B.S., 1960, 1962
 CARL RICHARD GILMORE, A.B., Beloit
 College, 1960; B.S., 1962
 JAMES ELWOOD GORMAN, B.S., Eastern
 Illinois University, 1958
 LEON FLOYD HARRES, B.S., 1962
 STUART HARVEY HELLMAN
 CHARLES ERIC JOHNSON, B.S., 1962
 WILLIAM NILS JOHNSON, B.S., 1962
 RICHARD DUKE JONES, B.S., 1962
 WILLIAM JACKSON JONES, B.S., 1961
 KARL WYLDE KNEWITZ, B.S., 1963
 PETER KOBES
 ALEX JOHN KRAMER
 ALBERT HENRY KRAUSE, B.S., 1962
 WILLIAM JAMES LAMBERT, B.S., Roose-
 velt University, 1960
 STUART ELTON LARSON
 WAYNE DENNIS LARSON
 ROBERT MICHAEL LAZERSON, B.S., 1960
 ROBERT JOHN LOWTH, A.B., Southern
 Illinois University, 1960
 ALLAN MARTIN MALKASIAN
 RICHARD PHILIP MARTINO, B.S., 1963
 GEORGE BIRKLAND MAXWELL, JR., A.B.,
 Southern Illinois University, 1960;
 B.S., 1962

ARMEN MICHAELIAN, A.B., Fresno State College, 1960
 ROBERT KAY MICK, B.S., 1962
 ALAN MICHAEL MILLER
 LARRY RAY MITTENDORF, B.S., 1962
 RONALD EUGENE MIZER
 JAMES WILLIAM MOONEY
 LAWRENCE ROBERT NEIMARK, B.S., 1960
 IRWIN WILLIAM PEARLMAN, B.S., 1962
 MICHAEL JAY PINK
 DARRYL JOHN PIROK, A.B., B.S., 1960, 1962
 ROBERT JOSEPH POKORNY, B.S., 1960, 1962
 GARY ALAN QUICK, B.S., 1962
 ROBERT ROBINSON
 FAREL ARTHUR ROSENBERG, B.S., 1962
 NORMAN DAVID ROTBLAT, B.S., 1961
 SHELDON ARNOLD RUDNICK, B.S., 1962
 ALAN JAY SHAPIRO, B.S., Roosevelt University, 1960; B.S., 1962

NEIL HOWARD SHULKIN
 DENNIS LEE SLUSKI
 DONALD CLARENCE SORENSEN
 SAUL SOSIN, B.S., Roosevelt University, 1948
 GENE RICHARD STERRITT
 ARTHUR STONE, A.B., Roosevelt University, 1951
 JEROME MICHAEL STROFS
 JERRY LEE TODD, A.B., Southern Illinois University, 1959; B.S., 1962
 MICHAEL ANDREW TURK, B.S., 1963
 WILBUR EUGENE VAN HORN
 DAVID EUGENE VOELPEL
 ALFRED SOLOMON WEINER, B.S., 1960
 DONALD PHILIP WEISSMAN, B.S., 1962
 SAMUEL STUART WEXLER, B.S., 1962
 THOMAS EDWARD WILLIAMS, A.B., Whittier College, 1960

COLLEGE OF MEDICINE

Degree of Bachelor of Science in Occupational Therapy

Conferred June 11, 1964

HARRIET SEGEL ADELSTEIN
 BEVERLY ELLIOTT CATRON, with Honors
 MARGARET MILES FLYNN
 PATRICIA ELMOR GEISSMAN
 DOROTHY LOUISE HAVENS
 GEORGIA HELEN IDA HOLVERSON
 MONICA HYACINTH LOPEZ
 VERA LEA MENGEDOTH

GLADYS ELAINE MUELLER
 DONNA SCHECKERMAN ORLOVE, with Honors
 STACIA ANN WOODS PAXTON
 KAREN LOUISE SMEDBERG
 KAREN FRANCES TATE
 BEVERLY ANN WESTROM

Degree of Doctor of Medicine

Conferred June 11, 1964

MILES FRANKLIN ADLER
 EDWIN APRIL
 GERALD FRANCIS ATWOOD
 JOHN LESTER BARDSLEY, A.B., 1961
 LEON IRWIN BENDER, B.S., 1959
 ROGER BERLIN
 MORLEY JAY BERMAN
 NORMAN BLAIR BERMAN
 DOUGLAS RUDOLPH BEY, JR.
 NORMAN IRWIN BIRNDORF
 KENNETH WAYNE BLECHER
 JOHN RONALD BOBITT
 WILLIAM JOSEPH BOGARD, B.S., 1960
 MICHAEL FRANK BORYSOW
 FREDERICK STAMM BRIGHTBILL, B.S., 1960
 ANTHONY LEE BROWN
 JOHN WILLIAM BUCKNER
 JOSEPH LOUIS BURKE, B.S., University of Wisconsin, 1960
 RALPH BURROWS, B.S., 1958
 RUSSELL ROBERT CARLSON, A.B., Earlham College, 1957
 JUDE ANTHONY CASELTON

LAWRENCE IRVIN CHAPMAN, with Honors
 GEORGE CHARNECKI
 FRANK JOSEPH CIPRIANO, B.S., 1961
 MICHAEL BERTRAM COBURN
 GEORGE ALFRED COCHRAN, JR., A.B., Southern Illinois University, 1960
 MICHAEL ANTHONY COLANDREA
 JAMES GEORGE CRAVENS, D.D.S., 1960; with Honors
 FREDERICK WILLIAM CUBIN, A.B., Southern Illinois University, 1960
 HARRY WILLIAM DARLAND, A.B., North Central College, 1960
 DALE GEORGE DAVIS, B.S., 1960
 BARBARA KAY DELLENBACK, B.S., 1960
 ALLEN BERNARD DEVLESCHOWARD, JR.
 WILLIAM ROY DUGDALE, B.S., Michigan State University, 1960
 CORWIN ROBERTS DUNN, A.B., Knox College, 1960
 CHARLES JOHN EGGERSTEDT, B.S., 1961
 THEODORE SAMUEL EISENMAN
 TRUDY FOX EISENMAN

- ROBERT STEPHEN ELLIS, JR., B.S., University of Notre Dame, 1960
 MICHAEL HAROLD ELLMAN, B.S., 1960
 ERIC E. ERICKSON, A.B., Northwestern University, 1959
 ADRIAN DOUGLAS FEINERMAN, B.S., 1960
 JAY MICHAEL FELDMAN
 ALVIN LADDIE FRANCIS
 LOUIS HARVEY FRASE, B.S., 1960
 BILLY RAY FULK, A.B., Southern Illinois University, 1960
 WOODSON CAROL FULLER, A.B., Southern Illinois University, 1960; with Honors
 LEONARD JOEL GARDBERG
 DON EARL GEHLE, A.B., 1960
 MICHAEL DEWEY GEIS
 KENYON ROGER GILBERT
 MARK GILDEN, A.B., Northwestern University, 1960
 RONALD LEE GILLUM, A.B., DePaul University, 1960
 HOWARD PETER GIRARD
 ROBERT WESLEY GLASS
 SAMUEL GOLDBERG, A.B., 1961
 LEE MITCHELL GOLDFINE, B.S., 1960
 BARRY GOLDMAN, B.S., 1960
 HENRY AARON GOLDSTEIN, B.S., Roosevelt University, 1960
 THEODORE BENSON GOLDSTEIN, B.S., 1960; with Honors
 ROBERT ALLEN GOODWIN
 IRA MARTIN GRAIS, B.S., University of Wisconsin, 1960
 RICHARD MEARLYN GRAVEN, A.B., Greenville College, 1960
 JAN LARRY GRAY, B.S., 1961
 JANE DUGDALE GRAY, A.B., 1961
 HAROLD WALTER HARDING
 JOHN PHILLIP HARRIS
 WILLIAM EDWARD HARRISS, A.B., Southern Illinois University, 1960
 JOHN MILO HATTENHAUER
 NORMAN V. HEINTZ
 HAROLD JAMES HEYMAN
 FREDERICK DANNER HIRSCH
 GENE WESLEY HOLLINGSWORTH, B.S., 1959
 RONALD NORMAN HOROWITZ
 ROBERT DEAN HUNN
 HESTER JO HURSH, B.S., George Williams College, 1958
 JOHN HENRY IPPENSEN, A.B., Knox College, 1960
 THEODORE GUS JAMES, B.S., 1960
 ANTON JOSEPH JIRKA, A.B., Knox College, 1959
 SHELDON SOLOMON KABAKER
 MYRA JOYCE KAHN
 STEPHEN HOWARD KASSEL, A.B., Johns Hopkins University, 1960
 WILLIAM JOHN KENNELL
 ROBERT THOMAS KESSLER, B.S., Loyola University, 1960; with High Honors
 JOHN MICHAEL KIRSCH, B.S., Loyola University, 1960
 HAIG ARAM KOSHKARIAN, A.B., Grinnell College, 1960
 MITCHELL IVAN KRIEGER
 MICHAEL KROLL
 RALPH FREDRICK KUHLMAN
 DONALD HESTON KULL, A.B., Millikin University, 1957
 DONALD DOMINIC LAMARCA, B.S., 1959
 EDWIN JOHN LANDHERR
 GUILIO ANTHONY LEONE
 IRA MICHAEL LERNER, B.S., 1961
 STEPHEN JOEL LESHIN, with Honors
 ALAN SCOTT LEVIN
 RICHARD ALLEN MALEK
 MARSHALL IRWIN MATZ
 HELEN STATIA MAURER, B.S., 1960
 CHARLES PETER MAURIZI
 DAVID LAWRENCE MCCARTY, B.S., 1959
 CLARK RICHARD MCDANIEL, A.B., 1960
 ALLEN DANIEL MCLEAN, B.S., 1961
 SEYMOUR J. MELNIK
 CHARLES RONALD MIDDLETON, B.S., Northern Illinois University, 1959
 WILLIAM FRANCIS MIDDLETON, B.S., 1960
 ALEXANDER WATSON MILLER
 KENT MAURICE MONROE, B.S., 1961
 ALGERD STANLEY MONSTAVICIUS, B.S., 1961
 MITCHELL ANDREW MOOS
 CHARLES DENZIL MOREHEAD
 FRED FIVEL NATHAN, B.S., University of Chicago, 1959
 JOHN MICHAEL NAYDEN, B.S., 1960
 ROBERT ROSS NEAL, JR., A.B., Wabash College, 1960
 DONALD ROBERT NELSON, B.S., Beloit College, 1959
 KENNETH EVERETT NELSON, A.B., Southern Illinois University, 1959
 JOSEPH MARTIN NIEDER, with Honors
 IRWIN HERSHEL NOPARSTAK
 RAYMOND GEORGE ORENIC
 DAVID EKERN OTT, A.B., Northwestern University, 1957
 NORMAN JOSEPH PASTOREK, A.B., Augustana College, 1960
 RAYMOND WALTER PETKUS, B.S., 1961
 JEROLD ALAN PICK
 DAVID ALOIS PLATZBECKER
 DAVID MACCHARLES POGUE, B.S., Colorado State University, 1960
 JACKIE ELDRIDGE PURDY
 GENE HERBERT PURVIS, A.B., Augustana College, 1960
 LON DIETRIG RADEMACHER, B.S., 1960
 RONALD EVERET RAMSTEDT, A.B., Coe College, 1960

DONALD PAUL RIFF
 LOUISE JEAN M. RIFF, A.B., Millikin
 University, 1956
 JOHN ARTHUR ROBINSON II, B.S., Uni-
 versity of Notre Dame, 1960
 GRAHAM ARTHUR ROGENESS, A.B.,
 Dartmouth College, 1960
 ROGER ALAN ROSE, A.B., 1961
 JOEL CHARLES ROSS
 GARY LEE RUDDER
 WALTER RICHARD RUF, B.S., 1960
 LOIS ANN RYAN, A.B., 1958
 JON DREW SANDBERG
 DAVID NORMAN SATTEM, A.B., 1960
 RICHARD WARREN SAUERMAN, A.B.,
 Monmouth College, 1960
 JACK LLOYD SAYLOR, A.B., Southern
 Illinois University, 1960
 DORIS MARIE SCHAAFF, A.B., St. Xavier
 College, 1960
 GARY WALTER SCHABACKER
 HOWARD OWEN SCHECHTER
 DAVID HAROLD SCHULTZ, A.B., Black-
 burn College, 1959
 TERRY KEITH SCHULTZ
 ROBERT DENTON SHAFFER, A.B., North
 Central College, 1960
 CHARLES HERSCHEL SHALLAT, B.S., 1961
 VIRGIL DELANO SHORT
 BENJAMIN SHWACHMAN, B.S., 1959
 DANIEL JOHN SIGBAND
 BARBARA FRANCES SILVESTRI
 ARTHUR BERNARD SIMON
 HOWARD DAVID SIMON, B.S., 1961

WILLIAM HUGH SIMPSON, B.S., Brad-
 ley University, 1960
 ROBERT GEORGE SLACK, A.B., North-
 western University, 1959
 JOHN JAMES SMALLEY, JR.
 ROBERT KEITH SMITH, A.B., 1961
 ROGER ENOS SMITH, A.B., Monmouth
 College, 1960
 BRENDA CLORFENE SOLOMON
 WILLIAM FRANK STACH, A.B., 1961
 GEORGE ISIDORE STARR
 DWIGHT ORAN SWABACK
 CARL RALPH TASSISTRO, B.S., 1960
 ROBERT ROY TAUBE, B.S., 1960
 ARVYDAS PAUL TAURAS
 MARSHALL BENNETT TAYLOR, B.S., Illi-
 nois Institute of Technology, 1960
 HENRY MICHAEL TUFO
 GERALD DONALD VERMEULEN
 THOMAS ABRAHAM VICTOR
 LEO GENE WATSON
 HERBERT WEINSTEIN, B.S., 1961
 MARVIN IRA WEINTRAUB, B.S., 1961
 JOHN LESTER WERNER, B.S., 1961
 HARVEY JAMES WHITFIELD, JR., B.S.,
 1961
 JAMES MATTHEW WHITTENBERG
 RONALD PETER WILBOIS, B.S., 1959
 EUNICE RUTH WILSON, A.B., 1952
 JAMES EDWARD WILSON, B.S., Purdue
 University, 1960
 WILLIAM H. WOODRUFF, A.B., Black-
 burn College, 1957
 ROBERT FREDERICK YARIO

COLLEGE OF NURSING

Degree of Bachelor of Science in Nursing

Conferred December 21, 1963

PATRICIA ANN BEAN
 JANE PENELOPE BOSTROM
 CAROLYN ALICE FULLER

DONA MAE GILBO
 GLENDA MARSHALL LANE, with Honors
 DIANA LOUISE WINN, with Honors

Conferred June 11, 1964

JURATE MARY ABROMAITIS
 JOYCE SHARON ACKERT
 KATHRYN ANN BAGLEY
 MARILYN KAY BERTHA
 PATRICIA LAUREL BINDER
 MARILYN HORNIACK BONAGURO
 CELESTE IRENE BONGIANNI
 CAROLINE SLATER BROWN
 CAROL ANN BUCHER
 SANDRA HENDERSON DENSFORD
 ELEANOR GLENDA FERGUSON
 MARY KAY FLYNN, with Honors
 JEANNINE MALZAHN FRANK
 JERRY DALE GRIGGS
 HANNAH THERESA HARRIS
 PATRICIA THOMPSON HENSCHEN
 KAREN SUE JONES
 LOUISE STEINMAN KANTER
 KARLENE MARY KETELHUT

LOIS JEAN KLEIDON
 DELORES JEAN LEUSBY
 PAMELA JEAN BACKUS LEVIN
 ANN ROSEMARY MAGEE
 MARIAN RUTH MARTIN, with High
 Honors
 BRENDA KAY NEWCOMB
 MARILYN ANN RUSH
 KAY KATZ SCHECHTER
 DOROTHY SUE SHELTON
 CHRISTINE JEAN SKOWRONSKI
 HELEN RAE JOHNSON SNODGRASS
 PATRICIA ANN STROUPE
 JOYCE HELENE SUCHINSKI
 JANET MOSSBERG TORNUQUIST
 BARBARA JEAN VOIGHT
 ANNA MARIE WAINIO
 CAROLINE LYDIA WHITE

COLLEGE OF PHARMACY

Degree of Bachelor of Science in Pharmacy

Conferred September 7, 1963

DENNIS CARL PROSCH

WALTER EDWARD ROBERTS

Conferred December 21, 1963

ARTHUR JOHN BOHR, JR.

MARGARET CATHERINE JIAMBALVO

HERBERT JACOB JAKEL, JR., A.B.,
Northwestern University, 1958NORBERT JOSEPH PROKOPEK
WILLIAM EDWARD SCOTT*Conferred June 11, 1964*

MICHAEL SALVATORE ALBERTI

JOEL URI MANN

PENROD NICHOLAS ALEXANDER

GRAZYNA CECILIA NIEMCZURA

JAMES DAVID BERG

ROBERT MICHAEL RAMSDEN

JOHN CALVIN BLAUFUSS, B.S., Lakeland
College, 1958

ALFRED SAMUEL REITMAN, B.S., 1960

PETER WILLIAM BRUNO

JOHN CHARLES RITOLA

RALPH ABEL BRYSON

WILLIAM ROBINSON

BERNARD MITCHELL BUBMAN

RAYMOND EARL ROSENBERG

WILLIAM FREDERIC BURROWS, with
Honors

JACK ROBERT SCHASER, with Honors

ARLENE SARAH CRAWFORD

DONALD CAYWARD SCHULTZ

HARRY LEO FRIEDMAN

JOHN FRANCIS SEMETULSKIS

CHRISTINE TOSHIKO FUJIMOTO, with
Honors

THOMAS JOSEPH SKERIK

AVERY OVERTIS GORDON

DANNY LEE SMITH

FREDERICK WILLIAM HEINKEL

RALPH HENRY SPRANDEL, B.S.,

LAWRENCE JAY HORWITZ

Elmhurst College, 1954

RUTA KADIKIS

MICHAEL HOWARD STOLAR

ARTHUR KARL KING

JOHN WESLEY SWAIN, B.S., Tennessee

WILLIAM FRANK KORTUM

State University, 1957

ALLEN HOWARD LASKO

SHELIA KAY TOUQUAN, with Honors

ALVIN SHIEL LIPMAN

GUEILAR LAUREL TURNER

LEONA LUCILLE LUBANOWSKI

DAVID EDWARD USHKOW

ALLAN GILBERT MANDELL, B.S.,

THOMAS MILES VRHOVNIK

Roosevelt University, 1960

ROGER DALE WIENKE

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows made by the Dean of the Graduate College; declinations, resignations, and terminations; leaves of absence; cancellations of leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

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

AARON, HOWARD B., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-26-64).

ABERTH, OLIVER G., Assistant Professor of Mathematics, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$878 for the period (5-29-64).

ABRAMOSKE, DONALD J., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964, $\frac{2}{3}$ time, June 19-August 14, 1964, \$1,200 for the period (5-12-64).

AGGARWAL, JAGDISHKUMAR K., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-27-64).

ANDERSON, LYNN R., Research Associate in Psychology, two months from June 16, 1964, \$1,133.32; this is in addition to his present appointment (5-21-64).

ANDERSON, TRUMAN O., Assistant Professor of Medicine and of Microbiology, College of Medicine, two months from July 1, 1964, \$12,000 a year, supersedes (5-7-64).

- ANDERSON, W. G., Visiting Lecturer in Educational Administration and Supervision, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$1,100 for the period (5-21-64).
- ANDREWS, ROLLIN D., III, Project Assistant in Aquatic Biology, in the Natural History Survey and in the Graduate College, three months from June 1, 1964, \$1,320 (4-23-64).
- AUGER, FERRIS K., Assistant in Elementary Education, Summer Session of 1964, July 13-August 8, 1964, \$567 for the period (4-19-64).
- AUSTIN, MERLYN P., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- BABLER, BERNARD J., Professor of Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$2,800 for the period (5-19-64).
- BAILEY, ALBERT D., Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,488.89 a month; this is in addition to his present appointment (5-22-64).
- BARGER, ALLAN R., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-27-64).
- BARTLOW, ROBERT M., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964, $\frac{2}{3}$ time, June 19-August 14, 1964, \$900 for the period (5-12-64).
- BENSON, RICHARD L., Theatre Therapist in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 43/100 time, June 15-August 8, 1964, \$400 for the period (5-21-64).
- BEZKOROVAINY, GEORGY, Research Assistant in Civil Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-19-64).
- BIANCHINI, ALBERT C., Associate Professor of Theoretical and Applied Mechanics, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$978 for the period (5-29-64).
- BLASE, BARRIE W., Research Assistant in Physiology and Biophysics, two months from June 16, 1964, \$933.32 (5-21-64).
- BLEYMAN, MRS. LEA K., Research Associate in Zoology, one year from September 1, 1964, \$6,500 (5-11-64).
- BLOMME, RICHARD W., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-27-64).
- BOHM, LARRY G., Project Assistant in Aquatic Biology, in the Natural History Survey and in the Graduate College, two months from July 1, 1964, \$776, supersedes; and for one year from September 1, 1964, \$4,656 (4-23-64).
- BORRI, ROBERT P., Associate Professor of General Engineering, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$1,034 for the period (4-23-64).
- BOWEN, KENNETH A., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-19-64).
- BOWHILL, SIDNEY A., Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,666.67 a month; this is in addition to his present appointment (5-28-64).
- BRIGGS, CARLETON W., Associate Professor of Art, Summer Session of 1964, $\frac{2}{3}$ time, June 15-August 8, 1964, \$1,542 for the period (5-19-64).
- BROWN, GORDON E., Instructor in Mathematics, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$778 for the period, supersedes previous Summer Session appointment (5-29-64).
- BROWNLEE, JAMES L., JR., Assistant Professor of Analytical Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$1,800 for the period (5-15-64).
- BUDENBAUM, WARREN E., Research Associate in Chemistry, three months from June 1, 1964, \$550 a month (5-15-64).
- BULL, MRS. MARTHA M., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$1,400 for the period (5-19-64).
- CAMPBELL, JACKSON J., Professor of English, Summer Session of 1964, June 15-August 8, 1964, \$1,667 for the period (5-25-64).
- CARTER, RICHARD D., Housefather in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 22/100 time, June 15-August 8, 1964, \$200 for the period (5-21-64).
- CASLER, DARWIN J., Assistant Professor of Accountancy, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$1,000 for the period; this is in addition to his present appointment (5-13-64).

- CHANG, HERBERT YU-PANG, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-27-64).
- CHEN, YUH-CHING, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-19-64).
- CHURCHICH, JORGE E., Assistant Professor of Biological Chemistry, academic year 1964-65, \$7,400 (5-28-64).
- CLARKE, ROBERT G., Assistant in the Institute of Aviation, September 1, 1964-June 15, 1965, \$4,644.45 (4-21-64).
- CLARKE, ROBERT W., Assistant in Accountancy, Summer Session of 1964, June 15-August 8, 1964, \$949 for the period, supersedes previous Summer Session appointment on $\frac{1}{2}$ time (5-11-64).
- CLOPTON, ROBERT W., Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, \$3,520 (5-25-64).
- COLEMAN, PAUL D., Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,733.33 a month; this is in addition to his present appointment (5-28-64).
- COOPER, THOMAS L., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-27-64).
- CORNELL, HARRISON K., Assistant Editor, with rank of Instructor, in Veterinary Medicine Administration, College of Veterinary Medicine, May 18-August 31, 1964, \$7,200 a year, supersedes (5-26-64).
- COSTIN, FRANK, Clinical Counselor in the Student Counseling Service, in the Executive Vice-President and Provost's Office, two months from June 16, 1964, \$1,170; this is in addition to his present appointment and to his Summer Session appointment on $\frac{1}{2}$ time (5-27-64).
- CRAFORD, MAGNUS G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-27-64).
- CRANE, ROBERT M., Assistant to Vice-President of the Chicago Undergraduate Division, one year from September 1, 1964, \$14,500 (5-12-64).
- CREMER, BENNETT J., Staff Physician in the Health Service, one year from July 1, 1964, \$14,600 (5-4-64).
- CROSS, JUDY H., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, \$150 for the period (5-21-64).
- CULLEN, DONALD E., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- CURLEY, DANIEL, Associate Professor of English, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$967 for the period (5-25-64).
- DAVID, ARIEL, Assistant in Psychiatry, College of Medicine, two months from July 1, 1964, without salary (5-8-64).
- DAVIES, MICHAEL S., Instructor in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,112 for the period, supersedes previous Summer Session appointment on $\frac{1}{2}$ time (5-19-64).
- DAVIS, HARVEY S., Research Assistant in Mathematics, two months from July 1, 1964, \$933.34 (4-24-64).
- DAVIS, NUEL P., Assistant Professor of English, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$756 for the period (5-25-64).
- DEAN, MRS. LORAIN P., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$1,400 for the period (5-22-64).
- DEGENFORD, JAMES E., Research Associate in Electrical Engineering (S), three months from June 1, 1964, \$750 a month, supersedes (5-19-64).
- DEMARCO, WILLIAM, Psychologist in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 3/10 time, June 15-August 8, 1964, \$400 for the period (5-21-64).
- DENIS, MARIANNE, Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$2,100 for the period (5-27-64).
- DENNING, R. G., Research Associate in Chemistry, one year from September 1, 1964, \$7,200 (5-15-64).
- DESCHAMPS, GEORGES A., Professor of Electrical Engineering (C), June 16-June 30, 1964, \$2,111.11 a month; this is in addition to his present appointment (5-28-64).
- DIEKHANS, HERBERT H., Instructor in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$1,334 for the period (5-29-64).

- DODD, GEORGE G., Research Associate in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,166.68; this is in addition to his present appointment (4-28-64).
- DOYAMA, MASAO, Visiting Research Assistant Professor of Physics (C), one month from July 16, 1964, \$944.44 (5-21-64).
- DUBINSKY, EDWARD L., Visiting Lecturer in Mathematics, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$900 for the period (5-29-64).
- D'ZURILLA, THOMAS J., Clinical Counselor in the Student Counseling Service in the Executive Vice-President and Provost's Office, two months from June 16, 1964, \$1,200 (5-26-64).
- EDWARDS, RALPH T., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- EERTMOED, GARY E., Research Assistant in Entomology, two months from June 16, 1964, \$933.34 (5-27-64).
- EFSC, EDWARD J., JR., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-25-64).
- FAIRBANKS, ROBERT P., Research Associate in the Institute of Government and Public Affairs, two months from June 16, 1964, \$2,000 (5-7-64).
- FORCUCCI, RICHARD A., Recreation Director in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 19/100 time, June 15-August 8, 1964, \$175 for the period (5-21-64).
- FORSMAN, RODERICK G., Research Assistant in Psychology, two months from June 16, 1964, \$933.32 (5-25-64).
- FOX, KENNETH L., Instructor in Accountancy, $\frac{3}{4}$ time, academic year 1964-65, \$3,750 (5-11-64).
- FRADIN, FRANK Y., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-27-64).
- FRANZ, FRANK A., Research Associate in the Coordinated Science Laboratory (C), three months from June 1, 1964, \$666.67 a month, supersedes (5-19-64).
- FRETWELL, CHARLES C., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,377.78; this is in addition to his present appointment (5-25-64).
- GAGE, VIVIAN E., Research Associate in Microbiology, May 15-August 31, 1964, \$2,187.50 (5-6-64).
- GALLAGHER, JAMES J., Professor of Special Education, Summer Session of 1964, June 15-July 11, 1964, \$1,478 for the period, supersedes his previous Summer Session appointment (5-26-64).
- GEORGE, MRS. MARGARET Y., Assistant Professor of History, Chicago Undergraduate Division, Summer Session of 1964, $\frac{2}{3}$ time, June 19-August 14, 1964, \$1,150 for the period (5-28-64).
- GERSTNER, OTTO, Instructor in Mathematics, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$834 for the period, supersedes his previous Summer Session appointment (5-29-64).
- GERSTNER, ROBERT W., Associate Professor of Civil Engineering, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,000 for the period (5-21-64).
- GIESEKING, DARRELL L., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,111.12 (4-27-64).
- GIESELMAN, ROBERT D., Instructor in Business English, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$600 for the period (5-27-64).
- GILMORE, GENE, Assistant Professor of Journalism, two months from June 16, 1964, \$912 (5-11-64).
- GOHDE, WILLIAM C., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, \$150 for the period (5-21-64).
- GOLDSTEIN, LADISLAS, Professor of Electrical Engineering (C), two months from June 16, 1964, \$2,244.44 a month; this is in addition to his present appointment (5-28-64).
- GONNELLA, JOSEPH S., Assistant in Medicine, College of Medicine, one year from July 1, 1964, \$7,200 (4-24-64).
- GOODRICH, HERBERT, Instructor in Business English, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$656 for the period (5-25-64).

- GORE, PEARL M., Assistant Professor of Psychology, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$812 for the period (5-27-64).
- HALL, J. F., Visiting Lecturer in Educational Administration and Supervision, Summer Session of 1964, June 15-July 10, 1964, \$1,100 for the period (5-21-64).
- HAMBLIN, DAVID G., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- HANNAH, HAROLD W., Project Director in the University Office of Agency for International Development Projects (Office of the Executive Vice-President and Provost), under Contract AID/csd-349 to prepare a "Resources Handbook for Agricultural Universities," three months from June 16, 1964, \$1,755.55 a month; this is in addition to his present appointment (5-7-64).
- HARRIS, RICHARD E., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- HARTLEY, ARNOLD M., Associate Professor of Analytical Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$1,978 for the period (5-13-64).
- HARTOCH, ARNOLD J., Associate Professor of Foreign Languages, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,300 for the period, supersedes his previous Summer Session appointment on $\frac{2}{3}$ time (5-12-64).
- HAYDEN, EDGAR C., Associate Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,416.67 a month; this is in addition to his present appointment (5-28-64).
- HECHT, NORMAN B., Research Assistant in Microbiology, April 1-September 15, 1964, \$2,566.69 (5-1-64).
- HEIPLE, CLINTON R., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-27-64).
- HENDERSON, ROBERT A., Associate Professor of Special Education, Summer Session of 1964, June 15-August 8, 1964, \$2,223 for the period (5-27-64).
- HENRY, JOHN A., Counselor in the Student Counseling Service, Executive Vice-President and Provost's Office, $\frac{1}{2}$ time, June 16-August 15, 1964, \$1,260; this is in addition to his present appointment (5-27-64).
- HEPBURN, LINDA E., Housemother in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 22/100 time, June 15-August 8, 1964, \$200 for the period (5-21-64).
- HERRING, TOD, Visiting Lecturer in Vocational and Technical Education, Summer Session of 1964, June 15-July 10, 1964, \$1,100 for the period (5-25-64).
- HERRON, ROBERT E., Research Assistant in Physical Education for Men, September 1-15, 1963, \$233.33, and June 16-August 31, 1964, \$1,375, supersedes (5-1-64).
- HIGGS, WILLIAM J., Research Assistant in Psychology, two months from June 16, 1964, \$933.32 (5-12-64).
- HIPSKIND, JOHN P., Assistant Professor of General Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,600 for the period (4-23-64).
- HOFFMAN, ROBERT A., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-26-64).
- HOLBROOK, JOHN C., II, Project Assistant in the Natural History Survey (Aquatic Biology Section) and in the Graduate College, June 1-September 15, 1964, \$1,050 (5-7-64).
- HOLMES, ROLAND W., Visiting Lecturer in English, academic year 1964-65, \$10,800 (5-18-64).
- HOSKEN, ROBERT W., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-28-64).
- HOVDE, HELEN J., Instructor in Speech, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$1,689 for the period (4-30-64).
- HUDSON, PAUL K., Assistant Professor of Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$2,267 for the period, supersedes previous Summer Session appointment on $\frac{3}{4}$ time (5-25-64).
- HUFFAKER, DONALD C., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,200; this is in addition to his present appointment (5-25-64).

- HUITEMA, ROY, Assistant to the Dean of the College of Liberal Arts and Sciences, Chicago Undergraduate Division, June 22-August 14, 1964, \$2,800; this is in addition to his present appointment (5-28-64).
- HUNT, J. McV., Professor of Psychology, one year from July 1, 1964, \$21,150, and on indefinite tenure beginning September 1, 1965, to render service during each academic year (5-7-64).
- ICHIMARU, SETSUO, Research Associate in Physics (C), three months from July 1, 1964, \$1,000 a month (5-7-64).
- ITAGAKI, EIJI, Research Associate in Chemistry, one year from September 1, 1964, \$7,200 (5-15-64).
- JACKSON, JOSEPH F., Professor of French, $\frac{1}{2}$ time, June 16-August 8, 1964, \$1,445; this is in addition to his present appointment (5-22-64).
- JACOBS, JOHN T., Research Assistant in the Coordinated Science Laboratory, two months from June 16, 1964, \$1,022.24 (4-28-64).
- JENKINS, JOE W., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- JOHNSON, ELLIS D., Clinical Instructor in Neurology, Department of Neurology and Neurological Surgery and Epilepsy, College of Medicine, $\frac{4}{10}$ time, five months from April 1, 1964, \$3,000 a year (5-27-64).
- JOHNSON, JOHN A., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,067 for the period, supersedes his previous Summer Session appointment on $\frac{1}{2}$ time (5-21-64).
- JOHNSON, PETER, Visiting Lecturer in Chemistry, two months from September 1, 1964, \$1,445 (5-15-64).
- JOHNSON, ROBERT A., Assistant in the Institute of Aviation, two months from June 16, 1964, \$933.34 (5-24-64).
- KAISER, DALE E., Visiting Lecturer in Educational Administration and Supervision, Summer Session of 1964, July 13-August 8, 1964, \$1,100 for the period (5-25-64).
- KAPLAN, JULES B., Instructor in Mathematics, Chicago Undergraduate Division, academic year 1964-65, \$6,500 (5-4-64).
- KELLEY, CORNELIA P., Associate Professor of English, nine months from September 16, 1963, \$8,600, supersedes (5-18-64).
- KILLIP, DEVORE E., Assistant Professor of Teacher Education, College of Dentistry, three months from June 1, 1964, \$12,000 a year, supersedes (5-28-64).
- KINSEY, PHILIP A., Visiting Lecturer in Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$2,667 for the period (5-13-64).
- KIRK, DONALD E., Instructor in the Coordinated Science Laboratory (C), $\frac{1}{2}$ time, two months from June 16, 1964, \$555.56; this is in addition to his present appointment (5-4-64).
- KOBAYASHI, MAKOTO, Research Associate in Physiology and Biophysics, one year from October 1, 1964, \$6,100 (5-28-64).
- KRAMER, DANIEL C., Instructor in Political Science, academic year beginning September 1, 1964, \$7,800 (5-11-64).
- KRYSAN, JAMES L., Research Assistant in Entomology, June 16-August 31, 1964, \$1,385 (4-27-64).
- KUPPERMAN, DAVID S., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- LABACH, WILLIAM A., Research Assistant in Mathematics, two months from July 1, 1964, \$933.34 (4-23-64).
- LAHEY, JAMES M., Instructor in Commerce Administration, College of Commerce and Business Administration, $\frac{1}{4}$ time, two months from June 16, 1964, \$277.78; this is in addition to his appointment as Instructor in Accountancy (4-24-64).
- LANGSTON, MRS. GENEVIEVE R., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$2,100 for the period (5-25-64).
- LARSON, ARLYN J., Research Associate in the Institute of Government and Public Affairs, June 1-August 15, 1964, \$2,500 (5-4-64).
- LATTA, THOMAS M., Research Assistant in Chemistry, June 16-August 31, 1964, \$1,072.93, supersedes (5-27-64).

- LEACH, JAMES L., Adviser in the Engineering Institute Program for Engineering Educators in India, for service under Contract AIDc-1220, for the period May 15 through July 8, 1964, \$1,356.66 a month; this is in addition to his present appointment (5-7-64).
- LIDE, FRANCIS P., JR., Instructor in Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, \$1,200 for the period (5-13-64).
- LIE, TAEJOURN, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-28-64).
- LIEM, KAREL F., Assistant Professor of Anatomy, College of Medicine, one year from September 1, 1964, \$10,000 (5-15-64).
- LIVINGSTON, WILLIAM R., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- LOUSTAUNAU, JOAQUIN O., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- MANNING, ERIC G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-28-64).
- MATSUMOTO, YORIMI, Instructor in Biophysics, Department of Physiology and Biophysics, three months from June 1, 1964, \$6,100 a year, supersedes (5-19-64).
- MCCOY, DAVID W., Visiting Lecturer in Political Science, Chicago Undergraduate Division, Summer Session of 1964, ½ time, June 19-August 14, 1964, \$900 for the period (5-7-64).
- MELIN, JOHN W., Assistant Professor of Civil Engineering, Summer Session of 1964, 7/10 time, June 15-August 8, 1964, \$1,323 for the period (5-29-64).
- MELOY, C. R., Professor of Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$3,300 for the period (5-19-64).
- MENDEL, CLIFFORD W., JR., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,200 (4-28-64).
- MERIDETH, CHARLES W., Research Associate in Chemistry, one year from September 1, 1964, \$6,800 (5-15-64).
- MERRILL, MARY E., Assistant in English, Summer Session of 1964, June 15-August 8, 1964, \$978 for the period (5-21-64).
- METROPOL, MRS. SONIA, Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,244.44; this is in addition to her present appointment (5-25-64).
- MICHAL, EDWIN K., Research Assistant in Physiology and Biophysics, two months from June 16, 1964, \$933.32 (5-4-64).
- MIGNON, CHARLES W., JR., Assistant Professor of English, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$778 for the period (5-27-64).
- MILLAR, BARBARA P., Cataloger, with rank of Instructor, in the Library of Medical Sciences, at the Medical Center, one year from September 1, 1964, \$6,200 (5-18-64).
- MILLER, RAYMOND P., Research Associate in Civil Engineering (C), June 16-August 31, 1964, \$1,750; this is in addition to his present appointment (5-22-64).
- MOCK, WILLIS, JR., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- MOHLER, HANSPETER, Research Assistant in Geology, two months from June 16, 1964, \$934 (5-15-64).
- MONTGOMERY, ALBERT G., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- MOOTY, MARY E., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$2,100 for the period (5-21-64).
- MORGAN, BRUCE W., Instructor in Economics, Summer Session of 1964, June 15-August 8, 1964, \$1,889 for the period (5-25-64).
- MORRIS, VAN CLEVE, Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, \$2,400 for the period (5-22-64).
- MRACEK, JAROSLAV J., Instructor in Music, academic year 1964-65, \$7,100 (5-28-64).
- MUELLER, THOMAS E., Research Associate in the Coordinated Science Laboratory (C), ½ time, two months from June 16, 1964, \$570.84; this is in addition to his present appointment (4-28-64).

- MULLEN, JAMES, Visiting Lecturer in Advertising, Summer Session of 1964, June 15-August 8, 1964, \$2,534 (5-1-64).
- MURATA, TADAO, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$933.32 (4-28-64).
- MURPHY, LAWRENCE W., Professor of Journalism, nine months from September 16, 1963, \$11,400, supersedes (5-4-64).
- NAHORNIAK, MYRA, Assistant in Physical Education for Women, Chicago Undergraduate Division, nine months from September 16, 1964, \$5,000 (5-8-64).
- NEUHAUS, HERBERT, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (4-24-64).
- NIKOLAI, ROBERT J., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,377.78 (5-25-64).
- NORTON, JOHN C., Project Assistant in the Natural History Survey and in the Graduate College, April 15-June 30, 1964, \$760 (5-5-64).
- ONAGA, KENJI, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-28-64).
- ORR, BETTY E., Associate Professor of Education, Chicago Undergraduate Division, indefinite tenure beginning September 1, 1964, to render service during each academic year, \$9,500 a year (5-8-64).
- OTTING, WILLIAM J., JR., Lecturer in Physics (C), two months from July 1, 1964, \$2,888 (5-22-64).
- PENNIST, LOUIS L., Associate Professor of Mathematics, Chicago Undergraduate Division, Summer Session of 1964, $\frac{1}{2}$ time, June 19-August 14, 1964, \$1,112 for the period (5-28-64).
- PETERSON, HAROLD A., Supervisor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, June 15-August 8, 1964, \$1,400 for the period (5-21-64).
- PFEIFER, ROBERT F., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, \$1,022.22 (5-21-64).
- PIPER, THOMAS C., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,066.68 (4-28-64).
- PORTER, ZIGMUND, Instructor in Periodontics, Department of Applied Materia Medica and Therapeutics, College of Dentistry, $\frac{1}{2}$ time, one year from September 1, 1964, \$4,000 (5-15-64).
- POWERS, DONALD J., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$978 for the period, supersedes previous Summer Session appointment on $\frac{1}{2}$ time (5-21-64).
- PRAIRIE, BARBARA B., Research Assistant in Chemistry, $\frac{2}{3}$ time, five months from April 1, 1964, \$1,527.75, supersedes full-time appointment (5-14-64).
- PRINZ, ANDREW K., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964, $\frac{2}{3}$ time, June 19-August 14, 1964, \$1,036 for the period (5-7-64).
- PUMPHREY, FRED H., Adviser in the Engineering Institute Program for Engineering Educators in India, for service under Contract AIDc-1220, June 5-July 20, 1964, \$1,485 a month (5-7-64).
- RADDATZ, MRS. ANNE C., Visiting Lecturer in Special Education, Summer Session of 1964, June 15-August 8, 1964, \$1,200 for the period (5-27-64).
- RAUCH, GARY C., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- RIZZO, FRANK J., Instructor in Theoretical and Applied Mechanics (C), academic year 1964-65, \$6,300 (5-11-64).
- ROAN, VERNON P., JR., Research Associate in Aeronautical and Astronautical Engineering (C), $\frac{1}{3}$ time, two months from June 16, 1964, \$444.44; this is in addition to his present appointment (5-27-64).
- ROBINSON, MARIE L., Research Assistant in Chemistry, three months from June 16, 1964, \$1,400.01 (5-18-64).
- ROSENBAUM, RALPH L., Research Assistant in Physics (C), two months from June 16, 1964, \$1,022.22 (5-14-64).
- ROSS, ROBERT C., Leader of Foreign Agriculture Visitors, in the Office of AID Projects, $\frac{1}{2}$ time, one year from September 1, 1964, \$6,750 (5-8-64).

- RUELLE, ROBERT, Assistant in the Institute of Aviation, two months from June 16, 1964, \$933.34 (4-24-64).
- RUSSELL, JOHN K., Instructor in Electrical Engineering (C), two months from June 16, 1964, \$1,133.34; this is in addition to his present appointment (5-27-64).
- SAAM, WILLIAM F., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- SAH, CHIN-TANG, Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,666.67 a month; this is in addition to his present appointment (6-2-64).
- SAIN, MICHAEL K., Instructor in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,111.12 (5-7-64).
- SANGSTER, WILLIAM, Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,578 for the period (5-28-64).
- SAUERS, ERNEST S., Research Assistant in the Center for Zoonoses Research, College of Veterinary Medicine, June 1-September 19, 1964, \$1,816.67 (5-26-64).
- SCHAFER, ELTON D., Research Assistant in Physics (C), two months from June 16, 1964, \$1,022.22 (5-1-64).
- SCHILD, MILO A., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-14-64).
- SCHMITZ, ROGER A., Assistant Professor of Chemical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$878 for the period (5-19-64).
- SCHROER, DAVID E., Instructor in Mathematics, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$856 for the period, supersedes previous Summer Session appointment (5-29-64).
- SHANK, MAX C., Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,400 for the period, supersedes previous Summer Session appointment on $\frac{3}{4}$ time (5-28-64).
- SHARMA, KAMAL N., Visiting Research Assistant Professor of Psychology and of Physiology, one year from August 16, 1964 \$9,455 (5-28-64).
- SIMPSON, ELIZABETH J., Associate Professor of Vocational and Technical Education, Summer Session of 1964, July 13-August 8, 1964, \$1,112 for the period, supersedes previous Summer Session appointment (5-25-64).
- SMITH, CECIL D., Assistant Dean of the College of Agriculture, with rank of Professor, on indefinite tenure, June 1, 1964-August 31, 1965, \$15,000 a year, supersedes (5-4-64).
- SMITH, DAVID Y., Assistant Professor of Physics, Summer Session of 1964, June 15-August 8, 1964, \$1,800 for the period, and Research Assistant Professor of Physics, August 9-August 31, 1964, \$8,200 a year, supersedes (5-1-64).
- SMITH, THOMAS E., JR., Instructor in Theoretical and Applied Mechanics (C), $\frac{1}{2}$ time, academic year 1964-65, \$2,800 (5-11-64).
- SNYDER, DAVID P., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,066.68 (4-28-64).
- SPITZE, HAZEL T., Assistant Professor of Vocational and Technical Education, Summer Session of 1964, June 15-July 10, 1964, \$889 for the period (5-25-64).
- SPOR, ROBERT W., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- STALLMAYER, JAMES E., Professor of Civil Engineering, Summer Session of 1964, $\frac{1}{2}$ time, June 15-August 8, 1964, \$1,334 for the period (5-1-64).
- STEFFEN, THOMAS B., Research Assistant in the Center for Zoonoses Research, College of Veterinary Medicine, June 1-September 19, 1964, \$1,816.67, supersedes (5-26-64).
- STEIN, HERBERT J., Assistant Professor of Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$2,000 for the period (5-21-64).
- STOTLAND, VICTOR G., Research Assistant in Physics (C), two months from June 16, 1964, \$1,022.22 (5-15-64).
- STUCKY, GALEN D., Assistant Professor of Inorganic Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$1,734 for the period (5-13-64).
- SWARD, GILBERT L., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).

- TAHIM, GURCHARGAN S., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,111.12 (4-28-64).
- THAYER, FREDERICK D., Assistant in Slavic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-19-64).
- THOMAS, IAN B., Research Assistant in Electrical Engineering (C), $\frac{3}{4}$ time, and Assistant in Electrical Engineering (C), $\frac{1}{4}$ time, February 1-June 15, 1964, \$2,333.33, supersedes (4-29-64).
- THOMPSON, M. N., Research Associate in Physics (C), one year from September 1, 1964, \$8,500 (5-28-64).
- THOMPSON, SAMUEL R., III, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- THULEN, JACK L., Field Assistant in the Natural History Survey and in the Graduate College, four months from May 1, 1964, \$1,060 (5-15-64).
- TIBBETTS, GARY G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-28-64).
- TODESCHINI, C., Instructor in Theoretical and Applied Mechanics (C), $\frac{1}{2}$ time, academic year 1964-65, \$2,800 (5-11-64).
- TOROK, NICHOLAS, Associate Professor of Otolaryngology, College of Medicine, 4/10 time, three months from June 1, 1964, \$566.66 a month (5-7-64).
- TOTTEN, STANLEY M., Research Associate in Geology, two months from June 1, 1964, \$1,000 (5-11-64).
- TROWER, WILLIAM P., Research Assistant in Physics (C), two months from June 16, 1964, \$977.78 (5-1-64).
- VANDYKE, PATRICIA A., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, \$150 for the period (5-21-64).
- VARDAMAN, HAZEL, Assistant to the Dean of the College of Liberal Arts and Sciences, Chicago Undergraduate Division, June 22-August 14, 1964, \$2,622; this is in addition to her present appointment (5-28-64).
- VON HENTIG, RONALD, Instructor in Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, $\frac{1}{2}$ time, June 19-August 14, 1964, \$556 for the period (5-28-64).
- WAKAE, MASAMI, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- WALETT, FRANCIS, Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, \$2,000 for the period (5-25-64).
- WALLO, EDWARD M., Research Assistant in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,244.44 (5-25-64).
- WEISE, MRS. URSULA A., Assistant Editor of Publications, College of Engineering, one year from September 1, 1964, \$7,000 (5-19-64).
- WELLS, JOHN D., Research Associate in Secondary and Continuing Education, College of Education, June 22-August 15, 1964, \$2,100 (5-28-64).
- WESTLAKE, A. H., Research Associate in Chemistry, two months from June 16, 1964, \$1,050 (5-15-64).
- WHEELER, D. M. S., Visiting Lecturer in Organic Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$2,000 for the period (5-19-64).
- WILBER, GORDON A., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- WILDE, ROBERT R., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,034 for the period (5-21-64).
- WILLIAMS, DAVID L., Assistant in Elementary Education, Summer Session of 1964, June 15-July 11, 1964, \$567 for the period (5-19-64).
- WILLNER, ERNEST S., Associate Professor of Foreign Languages, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,112 for the period, supersedes previous Summer Session appointment on $\frac{2}{3}$ time (5-12-64).
- WILLSON, ROBERT H., Research Assistant in the Coordinated Science Laboratory (C), June 16-August 15, 1964, \$1,022.24 (4-28-64).
- WIRTH, DAVID G., JR., Research Assistant in Ceramic Engineering (C), $\frac{2}{3}$ time, September 1, 1964-June 15, 1965, \$3,800, and full time, June 16-August 31, 1965, \$1,500 (5-5-64).

- WONG, BING K., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
YOSHIOKA, TAKAO, Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
YOUNG, PETER N., Visiting Lecturer in English, Summer Session of 1964, June 15-August 8, 1964, \$2,500 (5-25-64).
YOUNG, STANLEY, Visiting Lecturer in Industrial Administration, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$1,223 for the period (5-25-64).
YUDIN, FLORENCE L., Assistant in Spanish, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-11-64).

FELLOWS

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

- ABU-SALIH, MUHAMMAD, Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).
ALEXANDER, RICHARD W., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
ALLEN, DONALD B., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).
ALLGOOD, WILLIAM T., Special Fellow in Music, nine months from September 16, 1964, \$1,800 (5-18-64).
ANDERSON, NORMAN J. B., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).
ANDERSON, STUART H., Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).
ANDREWS, JOAN L., Special Summer Fellow in Mathematics, two months from June 16, 1964, \$375 (4-24-64).
ASPINES, EDNA J. H., National Science Foundation Cooperative Fellow III in Physics, one year from September 1, 1964, \$2,800 (5-11-64).
BAILEY, RONALD B., Summer Fellow in Political Science, two months from June 16, 1964, \$450 (4-14-64).
BASSEL, BYRON A., JR., Postdoctoral Fellow in Microbiology, five months from July 1, 1964, \$2,500 (5-25-64).
BECKER, DAVID H., Summer Fellow in Art, two months from June 16, 1964, \$450 (4-14-64).
BELZER, EDWIN G., JR., Summer Fellow in Health and Safety Education, two months from June 16, 1964, \$450 (4-14-64).
BOICHOT, LANCE, National Science Foundation Trainee II in Civil Engineering, nine months from September 16, 1964, \$1,950 (4-30-64).
BONHAM, JAMES A., Standard Oil (of California) Fellow in Chemistry, nine months from September 16, 1964, \$2,400 (4-22-64).
BOUMA, MARILYN, Summer Fellow in Spanish, two months from June 16, 1964, \$450 (4-14-64).
BOWERS, ANNE S., Special Summer Fellow in English, two months from June 16, 1964, \$375 (4-24-64).
BRANDT, RICHARD C., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, \$3,100 (5-14-64).
BRAROE, NIELS W., Summer Fellow in Sociology, two months from June 16, 1964, \$450 (4-14-64).
BRIESKE, GEORGE H., Summer Fellow in Accountancy, two months from June 16, 1964, \$450 (4-14-64).
BRITTAIN, THOMAS M., National Science Foundation Cooperative Fellow III in Mechanical Engineering, nine months from September 16, 1964, \$3,225 (5-11-64).
BROCK, JARRETT E., Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
BROWN, FREDERICK S., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$489 (5-5-64).
BUCHHOLZ, ALLAN C., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).
BUCHHOLZ, EUGENE K., Summer Fellow in Mechanical and Industrial Engineering, two months from June 16, 1964, \$450 (4-14-64).

- BUFFINGTON, JOHN D., National Science Foundation Cooperative Fellow in Zoology, one year from September 1, 1964, \$2,600 (5-11-64).
- BUFFINGTON, SIDNEY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,428.75, supersedes (5-11-64).
- BUNGER, MELODY P., Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450, supersedes (5-18-64).
- CALDER, JOHN A., United States Public Health Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$466.66 (5-21-64).
- CARDENAS, MARY J., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- CARLEY, MRS. YVONNE F., Summer Fellow in Home Economics, two months from June 16, 1964, \$450 (4-14-64).
- CARMEAN, STEPHEN L., Summer Fellow in Psychology, two months from June 16, 1964, \$450 (4-14-64).
- CARMICHAEL, DOUGLAS R., Summer Fellow in Accountancy, two months from June 16, 1964, \$450 (4-14-64).
- CARTER, BRADLEY K., Special Summer Fellow in Political Science, two months from June 16, 1964, \$375 (4-24-64).
- CLAYTON, LEE S., National Science Foundation Cooperative Fellow III in Geology, nine months from September 16, 1964, \$2,100 (5-11-64).
- COLLIER, C. PATRICK, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,288.75, supersedes (5-11-64).
- CONATSER, CHARLES W., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, \$1,020 (5-7-64).
- CORDERO, RONALD A., Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- CRAIG, GEORGE D., National Science Foundation Summer Fellow in Economics, June 16-August 11, 1964, \$680 (5-7-64).
- CROUCH, STANLEY R., National Science Foundation Summer Fellow in Chemistry, June 16-August 25, 1964, \$850 (5-7-64).
- CUSHMAN, DAVID W., Minnesota Mining and Manufacturing Company Fellow in Chemistry, eleven months from September 16, 1964, \$2,500 (5-11-64).
- CYR, ROBERT A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- DALTON, WILLIAM O., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, \$1,457, supersedes (4-27-64).
- DAS, ASIT B., Summer Fellow in Physiology, two months from June 16, 1964, \$450 (4-14-64).
- DAVIS, GEORGE C., JR., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- DEBORD, WARREN A., Summer Fellow in Marketing, two months from June 16, 1964, \$450 (4-14-64).
- DIAZ, MODESTO M., Summer Fellow in Spanish, two months from June 16, 1964, \$450 (5-19-64).
- DIXON, DANIEL B., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- DODGE, WILLIAM J., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, \$2,600 (4-20-64).
- DOLAN, THOMAS J., JR., National Aeronautics and Space Administration Fellow (Trainee) in Nuclear Engineering, one year from September 1, 1964, \$2,400 (4-15-64).
- DONOHUE, JOHN T., DuPont Fellow in Physics, nine months from September 16, 1964, \$2,400 (4-11-64).
- DOUBLEDAY, JAMES F., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- EATON, JOHN L., United States Public Health Service Fellow (Trainee) in Entomology, one year from July 1, 1964, \$2,880 (5-1-64).
- EBNER, CHARLES A., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, \$2,600 (5-11-64).
- EDGERTON, STEPHENIE G., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).

- EPLEY, TROYL D., Monsanto Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$400 (4-22-64).
- EVANS, KENNETH E., JR., Summer Fellow in Physics, two months from June 16, 1964, \$450 (4-14-64).
- FINDLEY, MILDRED M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- FORSE, JAMES H., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- FOYS, ROBERT M., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- FRIEBERG, ROBERT J., National Science Foundation Cooperative Fellow II in Physics, one year from June 16, 1964, \$3,100 (5-11-64).
- FRINCKE, GERALD L., National Science Foundation Summer Fellow in Psychology, June 16-August 11, 1964, \$680 (5-7-64).
- GAGLIANO, FELIX V., JR., Special Summer Fellow in Political Science, two months from June 16, 1964, \$500 (4-23-64).
- GANS, DANIEL J., National Science Foundation Cooperative Fellow II in Mathematics, one year from June 16, 1964, \$2,600 (5-11-64).
- GASS, DAVID M., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1964, \$500 (5-11-64).
- GEMRICH, EDWIN G., II, United States Public Health Service Fellow (Trainee) in Entomology, two months from July 1, 1964, \$480 (5-1-64).
- GOFF, JAMES F., Summer Fellow in Geography, two months from June 16, 1964, \$450 (4-14-64).
- GOLDSMITH, LEONARD J., Summer Fellow in Psychology, two months from June 16, 1964, \$450 (4-14-64).
- GRAY, LEWIS R., Summer Fellow in Botany, two months from June 16, 1964, \$450 (4-14-64).
- GREENLEE, JAMES W., Summer Fellow in French, two months from June 16, 1964, \$450 (4-14-64).
- GRIEGO, RICHARD J., National Science Foundation Cooperative Fellow II in Mathematics, one year from September 1, 1964, \$3,100 (5-11-64).
- GURAK, ADRIANE M., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- GUTMAN, DAVID, National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1964, \$1,020 (5-7-64).
- HABACIVCH, WILLIAM, National Science Foundation Summer Fellow in Economics, June 16-September 8, 1964, \$1,020 (5-7-64).
- HAHN, WILLIAM F., Summer Fellow in Mechanical and Industrial Engineering, two months from June 16, 1964, \$450 (4-14-64).
- HALEY, KENNETH W., Union Carbide-Carbon Summer Fellow in Chemical Engineering, two months from June 16, 1964, \$500 (5-19-64).
- HARMER, RICHARD S., National Aeronautics and Space Administration Fellow (Trainee) in Ceramic Engineering, one year from September 1, 1964, \$2,600 (5-18-64).
- HARRIS, RICHARD E., National Aeronautics and Space Administration Fellow (Trainee) in Physics, nine months from September 16, 1964, \$1,950 (4-21-64).
- HARTWELL, GEORGE E., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1964, \$1,020 (5-7-64).
- HENDRIX, HELEN C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- HERLOCKER, DAVID W., National Science Foundation Cooperative Fellow II in Chemistry, one year from September 1, 1964, \$2,600 (5-11-64).
- HEUR, RONALD E., National Science Foundation Cooperative Fellow II in Geology, nine months from September 16, 1964, \$1,950 (5-11-64).
- HIMAN, HUGH K., Summer Fellow in Economics, two months from June 16, 1964, \$450 (4-14-64).
- HUCKO, LEILA E., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1964, \$1,500 (5-11-64).
- HUSEMAN, RICHARD C., Summer Fellow in Speech, two months from June 16, 1964, \$450 (4-14-64).

- INMAN, FRANKLIN P., JR., Postdoctoral Fellow in Microbiology, three months from June 1, 1964, \$1,875 (5-21-64).
- IRELAND, RONALD G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- JACOBSON, LEWIS A., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- JASNOW, DAVID, National Aeronautics and Space Administration Fellow (Trainee) in Physics, nine months from September 16, 1964, \$1,800 (5-4-64).
- JEN, LINDA C., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- JENSEN, CLARA S., Summer Fellow in Political Science, two months from June 16, 1964, \$450 (4-14-64).
- JOHNSON, JOHN A., National Science Foundation Cooperative Fellow I in Physics, one year from September 1, 1964, \$2,900 (5-11-64).
- JOHNSON, KAREN L., Summer Fellow in Botany, two months from June 16, 1964, \$450 (4-14-64).
- JUNG, ROBERT, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-21-64).
- KATZ, JOSE, Summer Fellow in Physics, two months from June 16, 1964, \$450 (4-14-64).
- KEENER, RONALD L., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (5-21-64).
- KEITH, HAROLD D., National Science Foundation Cooperative Fellow II in Theoretical and Applied Mechanics, one year from September 1, 1964, \$2,600 (5-11-64).
- KELLEHER, JAMES J., National Science Foundation Cooperative Fellow II in Mathematics, one year from June 16, 1964, \$2,600 (5-11-64).
- KENJARSKI, STANLEY, National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-29-64).
- KESSLER, JOHN E., Summer Fellow in Accountancy, two months from June 16, 1964, \$450 (4-14-64).
- KINDT, THOMAS J., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- KIRK, DORIS J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- KNIES, EARL A., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- KOUNAS, DON A., Special Summer Fellow in History, two months from June 16, 1964, \$375 (4-24-64).
- KRASKA, JOHN R., National Science Foundation Trainee I in Chemical Engineering, one year from September 1, 1964, \$2,400 (4-15-64).
- KRUENBERG, CLAIRE E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- KUENZI, NORBERT J., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$1,953.75, supersedes; and National Science Foundation Institute Summer Teaching Fellow in Mathematics, three months from June 16, 1964, \$380 (5-18-64).
- LACEY, JAMES E., National Science Foundation Cooperative Fellow II in Geology, one year from September 1, 1964, \$2,600 (5-11-64).
- LONDON, DALE E., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- LARSON, RICHARD A., National Science Foundation Cooperative Fellow I in Chemistry, one year from June 16, 1964, \$2,900 (5-11-64).
- LEMAY, HAROLD E., JR., National Science Foundation Summer Fellow in Chemistry, June 16-August 11, 1964, \$680 (5-7-64).
- LOOS, JAMES S., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, \$3,100 (5-11-64).
- LUCAS, PAUL A., Special Summer Fellow in Physics, two months from June 16, 1964, \$375 (4-24-64).
- LYNCH, RICHARD W., National Science Foundation Cooperative Fellow II in Chemical Engineering, one year from June 16, 1964, \$3,100 (5-11-64).
- MACLEOD, ROBERT M., United States Public Health Fellow (Trainee) in Biophysics, one year from June 16, 1964, \$2,666.04 (5-19-64).

- MADISON, KENNETH G., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- MAHRT, JEROME L., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1964, \$4,750 (5-4-64).
- MAIER, ERNEST L., Summer Fellow in Marketing, two months from June 16, 1964, \$450 (4-16-64).
- MALL, JAMES P., Summer Fellow in French, two months from June 16, 1964, \$450 (4-14-64).
- MANN, LINDSAY A., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MARCO, GARY L., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).
- MARINO, ROBERTO S., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-20-64).
- MARIS, RONALD, Summer Fellow in Sociology, two months from June 16, 1964, \$450 (4-14-64).
- MARISIC, ELLIN R., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MARKOS, DONALD W., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MARLIN, MARJORIE J. M., National Science Foundation Cooperative Fellow III in Psychology, one year from September 1, 1964, \$2,800 (5-11-64).
- MARTIN, LAWRENCE L., Edward Orton Foundation Fellow in Ceramic Engineering, nine months from September 16, 1964, \$1,600 (5-1-64).
- MCGEARY, DAVID F. R., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).
- MCKINNON, DANA G., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MEREDITH, CONNIE G. W., National Science Foundation Cooperative Fellow II in Psychology, one year from June 16, 1964, \$4,100 (5-11-64).
- MEREDITH, DALE D., National Science Foundation Cooperative Fellow II in Civil Engineering, one year from September 1, 1964, \$2,600 (5-11-64).
- MIDJAAS, CARL L., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).
- MILNER, BILLY E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (5-6-64).
- MINING, LOIS E., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, \$1,020 (5-7-64).
- MITCHELL, WILLIAM T., National Science Foundation Cooperative Fellow III in Chemical Engineering, one year from September 1, 1964, \$4,300 (5-11-64).
- MONTAGUE, JOHN S., Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).
- NANZETTA, PHILIP N., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, \$1,020 (5-7-64).
- NIBLACK, JOHN F., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- NORTHCUTT, RICHARD G., National Science Foundation Summer Fellow in Zoology, June 16-September 8, 1964, \$1,020 (5-7-64).
- NUNNALLY, NELSON R., National Science Foundation Summer Fellow in Geography, June 16-August 11, 1964, \$680 (5-7-64).
- ODELL, S. JACK, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- O'NEILL, WILLIAM P., National Science Foundation Cooperative Fellow III in Chemistry, one year from September 1, 1964, \$4,800 (5-11-64).
- PACE, NORMAN R., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-August 31, 1964, \$587.50 (5-21-64).
- PALIOKAS, AUSTE M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-4-64).
- PARSONS, MICHAEL J., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).
- PAULSON, HOLLACE E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).

- PÉREZ-ALBUERNE, EVELIO A., Consolidation Coal Company Summer Fellow in Chemical Engineering, two months from June 16, 1964, \$500 (5-19-64).
- PETERSEN, HAROLD, JR., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1964, \$500 (5-11-64).
- PETERSON, LANCE G., United States Public Health Service Fellow (Trainee) in Entomology, two months from July 1, 1964, \$480 (5-4-64).
- PHELPS, CATHERINE P., Summer Fellow in Business Education, two months from June 16, 1964, \$450 (5-19-64).
- PIEPMEIER, EDWARD H., Procter and Gamble Fellow in Chemistry, nine months from September 16, 1964, \$2,100 (4-22-64).
- PONTIUS, PAUL E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- PORTER, AGNES R., Summer Fellow in French, two months from June 16, 1964, \$450 (4-14-64).
- PRITNER, CALVIN L., Summer Fellow in Speech, two months from June 16, 1964, \$450 (4-14-64).
- PUZEY, GEORGE A., Wright Teaching Fellow in Agricultural Engineering, September 1, 1964-June 15, 1965, \$1,800; and two months from June 16, 1965, \$450 (5-1-64).
- RANDALL, WILLIAM J., Monsanto Summer Fellow in Chemistry, two months from June 16, 1964, \$400 (4-21-64).
- RAUCH, GARY C., National Science Foundation Cooperative Fellow I in Metallurgical Engineering, nine months from September 16, 1964, \$1,800 (5-11-64).
- REDENBO, JAMES M., United States Public Health Fellow (Trainee) in Biophysics, three months from June 16, 1964, \$666.51 (5-19-64).
- REINKING, ROBERT L., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).
- RIPKA, WILLIAM C., Esso Research and Engineering Fellow in Chemistry, nine months from September 16, 1964, \$2,100 (4-22-64).
- ROTH, MICHAEL, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- RUBIN, DAVID L., Special Summer Fellow in French, two months from June 16, 1964, \$375 (4-24-64).
- RUPLEY, LAWRENCE A., Summer Fellow in Economics, two months from June 16, 1964, \$450 (4-14-64).
- RUTH, ROBIN, United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- SAIN, MICHAEL K., National Science Foundation Cooperative Fellow III in Electrical Engineering, one year from September 1, 1964, \$3,300 (5-11-64).
- SCHOURICH, VENICE A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- SCHWARTZ, HARVEY, Summer Fellow in Economics, two months from June 16, 1964, \$450 (4-14-64).
- SEATON, WILLIAM D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- SHAPIRO, THOMAS M., Part-time Medical Student Research Fellow in Physiology, Winter and Spring Quarters of the 1963-64 academic year, \$400 (1-16-64).
- SHELTON, KEITH R., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-4-64); and National Science Foundation Cooperative Fellow II in Chemistry, one year from September 1, 1964, \$2,600 (5-11-64).
- SHIELDS, ELLEN F., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- SHUCARD, STEPHEN C., Summer Fellow in Classics, two months from June 16, 1964, \$450 (4-14-64).
- SILBERSTEIN, ILAN, Teaching Fellow in Mechanical Engineering, nine months from September 16, 1964, \$1,800 (4-1-64).
- SLATER, JOHN M., Fellow in Agricultural Economics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (5-11-64).
- SLOAN, WILLIAM N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- SMITH, DAVID Q., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).

- SMITH, FRANCIS W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- SMITH, GERALD W., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,900 (4-29-64).
- SMITH, JAMES K., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- SMITH, JOHN E., JR., National Science Foundation Cooperative Fellow III in Physics, one year from September 1, 1964, \$2,800 (5-11-64).
- SMITH, STEVEN R., Special Summer Fellow in Spanish, two months from June 16, 1964, \$375 (4-24-64).
- SMITH, THEODORE F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1964, \$2,200 (5-1-64).
- SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-4-64).
- SORENSEN, A. DON, Special Summer Fellow in Political Science, two months from June 16, 1964, \$500 (4-23-64).
- SOWMAN, JAMES P., Edward Orton Foundation Fellow in Ceramic Engineering, nine months from September 16, 1964, \$1,600 (5-1-64).
- SPRUELL, RICHARD O., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- STANTON, RICHARD H., Fellow in Physics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$450 (4-1-64).
- STENSON, HERBERT H., Summer Fellow in Psychology, two months from June 16, 1964, \$450 (4-14-64).
- STEVENS, KARL K., National Science Foundation Summer Fellow in Theoretical and Applied Mechanics, June 16-September 8, 1964, \$1,020 (5-7-64).
- STONE, ALEXANDER P., National Science Foundation Summer Fellow in Mathematics, June 16-August 11, 1964, \$680 (5-7-64).
- STROM, ULRICH, Special Summer Fellow in Physics, two months from June 16, 1964, \$375 (4-24-64).
- STURGUL, JOHN R., National Science Foundation Trainee II in Mining Engineering, one year from September 1, 1964, \$2,600, supersedes (4-24-64).
- SULLIVAN, CONSTANCE A., Summer Fellow in Spanish, two months from June 16, 1964, \$450 (4-14-64).
- SWAIN, JOAN, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- SYMONS, JOHN G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- SZURSZEWSKI, JOSEPH H., National Science Foundation Summer Fellow in Physiology, June 16-September 8, 1964, \$1,020 (5-7-64).
- TAYLOR, BERT A., National Science Foundation Cooperative Fellow III in Mathematics, one year from September 1, 1964, \$3,300 (5-11-64).
- THODEY, ALAN R., Wright Fellow in Agricultural Economics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500, supersedes (5-11-64).
- TIENSON, JOHN, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- TODESCHINI, CLAUDIO E., Summer Fellow in Theoretical and Applied Mechanics, two months from June 16, 1964, \$450 (4-14-64).
- TOSCAN, RICHARD E., Special Summer Fellow in English, two months from June 16, 1964, \$375 (4-24-64).
- TREESE, GERTRUDE, Teaching Fellow in French, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (5-1-64).
- TRUITT, CATHERINE C., Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).
- TUEDIO, JAMES, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- UNLAND, MARK L., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1964, \$1,020 (5-7-64).
- VANARENDONK, ARTHUR M., United States Public Health Service Fellow (Trainee), in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- VANDENBERG, DONALD, Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).

- VANDER HART, DAVID L., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64); and Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500, supersedes (4-29-64).
- VEACH, MARY L., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- VELDKAMP, ARNOLD H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- VOILS, DON L., National Science Foundation Institute Teaching Fellow in Mathematics, one year from June 16, 1964, \$2,896 (5-11-64).
- VOLD, ROBERT L., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- WALKER, CLINTON B., John W. Dallenbach Fellow in Psychology, nine months from September 16, 1964, \$2,500 (5-1-64).
- WALKER, LEIGH E., National Science Foundation Cooperative Fellow II in Chemistry, one year from June 16, 1964, \$3,100 (5-11-64).
- WEDEKIND, GILBERT L., National Science Foundation Summer Fellow in Mechanical Engineering, June 16-September 8, 1964, \$1,020 (5-7-64).
- WEECH, TERRY L., Lois Wells Irwin Fellow in Library Science, nine months from September 16, 1964, \$500 (5-1-64).
- WELLER, PATRICIA F., United States Public Health Summer Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$466.66 (5-19-64).
- WELLS, WILLIAM L., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- WHITECOTTON, JOSEPH W., Summer Fellow in Anthropology, two months from June 16, 1964, \$450 (4-14-64).
- WHORTON, RICHARD C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- WILBER, GORDON A., Jones and Laughlin Steel Corporation Fellow in Metallurgy, nine months from September 16, 1964, \$2,400 (5-1-64).
- WILLIAMSON, BRUCE M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- WILLMORE, FLOYD E., National Science Foundation Institute Summer Teaching Fellow in Mathematics, three months from June 16, 1964, \$496 (5-11-64).
- WILMETH, DON B., Summer Fellow in Speech, two months from June 16, 1964, \$450 (4-14-64).
- WILSON, DAVID J., Summer Fellow in Geriatrics, two months from June 16, 1964, \$450 (4-14-64).
- WINEGARDNER, DAVID K., Summer Fellow in Chemical Engineering, two months from June 16, 1964, \$450 (4-14-64).
- WISE, SHERWOOD W., JR., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).
- WOERNLE, GUNTER, Fellow in Law, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (5-11-64).
- WOOD, FRANK O., International Business Machines Fellow in Economics, nine months from September 16, 1964, \$1,800 (4-23-64).
- WREATH, PATRICK, Summer Fellow in Russian, two months from June 16, 1964, \$450 (4-14-64).
- WRIGHT, CHARLES N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- YNTEMA, MARY K., National Science Foundation Cooperative Fellow III in Mathematics, one year from September 1, 1964, \$2,800 (5-11-64).
- ZANZUCCHI, PETER J., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).

RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- ABRAHAM, CLAUDE K., Assistant Professor of French—resignation effective September 1, 1964.
- ADAMS, JAMES M., Assistant in the Institute of Aviation—resignation effective May 1, 1964.
- ATLAS, AMOS, Research Associate in Theoretical and Applied Mechanics—resignation effective May 16, 1964.
- AUST, RICHARD B., National Science Foundation Graduate Fellow in Chemical Engineering—resignation effective June 1, 1964.

- BARRY, ALAN J., Assistant Professor of Physical Education for Men — resignation effective September 1, 1964.
- BENNETT, WILMA, Bibliographer in the Library, with rank of Instructor — resignation effective June 1, 1964.
- BIRCH, JOHN W., Assistant Professor of Economics — resignation effective September 1, 1964.
- BOND, JAMES A., Assistant Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
- BROWN, EUGENE F., Fellow in Mechanical Engineering — resignation effective June 16, 1964.
- CHARLES, ALLAN G., Clinical Assistant Professor of Obstetrics and Gynecology, College of Medicine — resignation effective May 15, 1964.
- COHEN, JOZEF B., Associate Professor of Psychology, Summer Session of 1964 — resignation effective June 15, 1964.
- DAVENPORT, RICHARD, Fellow in Zoology — declination effective June 16, 1964.
- DAVISON, MELVIN T., Associate Professor of Civil Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
- DILL, ALLEN F., Associate Professor of Civil Engineering, College of Engineering and Engineering Experiment Station — resignation effective September 1, 1964.
- DIXON, ROBERT D., Instructor in Mathematics — resignation effective September 1, 1964.
- DROWER, SARA R., Instructor in the Division of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964 — declination effective June 19, 1964.
- EDSALL, JAMES V., Assistant to the Director of the Physical Plant (Planning Coordinator) — resignation effective June 1, 1964.
- ENATA, ELOISE C., Instructor in English, Summer Session of 1964 — resignation effective June 15, 1964.
- FOSTER, DONALD L., Cataloger in the Library, with rank of Instructor — resignation effective July 1, 1964.
- GAMBLE, WILLIAM L., Assistant Professor of Civil Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
- GARDNER, GENE M., Katherine L. Sharp Fellow in Library Science — resignation effective September 15, 1964.
- GLENN, NORVAL D., Assistant Professor of Sociology — resignation effective September 1, 1964.
- GODU, JACQUES ANDRE JEAN-CLAUDE, United States Public Health Service Fellow (Trainee) in Veterinary Medical Science — resignation effective May 1, 1964.
- GOLEMBIEWSKI, ROBERT T., Assistant Professor of Management — resignation effective September 1, 1964.
- GOTTLIEB, DANIEL H., Instructor in Mathematics — resignation effective September 1, 1964.
- GRANIRER, EDMOND E., Instructor in Mathematics — resignation effective September 1, 1964.
- GRIMM, CLYDE L., Assistant Professor of English — resignation effective September 1, 1964.
- GULDNER, RUTH C., Acquisition Assistant in the Library — resignation effective September 1, 1964.
- GUTMAN, DAVID, Fellow in Chemistry — resignation effective June 16, 1964.
- HALE, KENNETH L., Assistant Professor of Anthropology and Linguistics — resignation effective September 1, 1964.
- HEADINGS, PHILIP R., Assistant Professor of English — resignation effective September 1, 1964.
- HINELY, JAN L., Instructor in English, Summer Session of 1964 — resignation effective June 15, 1964.
- HOLLINGSWORTH, J. ROGERS, Assistant Professor of History — resignation effective September 1, 1964.
- HUITEMA, ROY, Professor of Chemistry (Physical Sciences), Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
- HULSIZER, ROBERT I., JR., Professor of Physics — resignation effective September 1, 1964.
- HUNCKE, MRS. SHEILA C., Instructor in Medical Social Work, College of Medicine — resignation effective June 16, 1964.

- INMAN, FRANKLIN P., JR., Research Associate in Microbiology—resignation effective June 1, 1964.
- JACKSON, RICHARD L., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective June 1, 1964.
- KASKE, ROBERT E., Professor of English—resignation effective September 1, 1964.
- KAUFFMAN, WILLIS C., Associate Professor of Housing and Home Furnishings, Department of Home Economics—resignation effective September 1, 1964.
- KILLBY, VIRGINIA A. A., Fellow in Zoology—resignation effective June 16, 1964.
- KLOT, STEVEN E., Fellow in Political Science—resignation effective September 16, 1964.
- KONZ, STEPHAN, Instructor in Mechanical Engineering—resignation effective September 1, 1964.
- KORNACKER, MILDRED, Instructor in Sociology (Social Sciences), Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
- KUNZE, BARBARA A., Fellow in Mathematics—resignation effective June 16, 1964.
- LAGOUDAS, BASIL E., Assistant in English (Humanities), Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
- LINDLEY, DANIEL A., Instructor in Secondary and Continuing Education, University High School—resignation effective September 1, 1964.
- LINDSEY, MRS. SUSAN B., Instructor in Library Science and in the International Cooperative Program—resignation effective June 23, 1964.
- LONG, CHESTER C., Assistant Professor of Speech and Theatre—resignation effective September 1, 1964.
- LORD, WILLIAM J., JR., Associate Professor of Business Administration—resignation effective September 1, 1964.
- LUSTIG, JEREMY, Teaching Fellow in Music—resignation effective September 16, 1964.
- MASON, RALPH E., Associate Professor of Business Education—resignation effective September 1, 1964.
- MATSUMOTO, HIDEO, Research Associate in Pathology, College of Medicine—resignation effective May 21, 1964.
- MELE, JOHN J., Assistant in Electrical Engineering, Summer Session of 1964—declination effective June 15, 1964.
- MOK, CHI-HUNG, Research Associate in Metallurgical Engineering—declination effective September 1, 1964.
- MOORE, CHARLES A., Assistant in the Institute of Aviation—resignation effective May 1, 1964.
- MUNSINGER, HARRY, Fellow in Psychology—declination effective June 16, 1964.
- NADEAU, RAYMOND E., Professor of Speech—resignation effective September 1, 1964.
- OLSON, LAWRENCE W., Assistant Professor of Speech and Theatre, Summer Session of 1964—resignation effective June 15, 1964.
- ORLAND, GEORGE H., Instructor in Mathematics, Summer Session of 1964—declination effective June 15, 1964.
- OSBORN, HOWARD, Associate Professor of Mathematics, Summer Session of 1964—declination effective June 15, 1964.
- PABARCIUS, ALGIS, Assistant Professor of Civil Engineering, Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
- PARROTT, DELORES L., Instructor and 4-H Club Specialist, Cooperative Extension Service in Agriculture and Home Economics—resignation effective June 1, 1964.
- PEARSON, ROBERT E., Pharmacy Resident, College of Pharmacy—resignation effective June 1, 1964.
- PERLMUTTER, DANIEL D., Assistant Professor of Chemistry and Chemical Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- PHILLIPS, WILLIAM D., Assistant Professor in the Department of Special Education and in the Institute for Research on Exceptional Children—resignation effective September 1, 1964.
- PLACEK, MRS. CYNTHIA B., Assistant Editor in the College of Veterinary Medicine with rank of Assistant—resignation effective May 23, 1964.
- PRANINSKAS, MRS. JEAN, Assistant Professor of English—resignation effective September 1, 1964.

- PSCHORR, HELENE, Registered Pharmacist, College of Pharmacy—resignation effective June 9, 1964.
- PULLEN, LINDA G., Biology Library Assistant in the Library—resignation effective September 1, 1964.
- ROGERS, CHARLES A., Fellow in Physics—resignation effective June 16, 1964.
- RUNKEL, PHILIP J., Professor of Educational Psychology, Bureau of Educational Research—resignation effective September 1, 1964.
- SHIDLE, JOSEPH J., Assistant in Electrical Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- SIDEBOTTOM, OMAR M., Professor of Theoretical and Applied Mechanics, Summer Session of 1964—resignation effective June 15, 1964.
- STEIN, ALLAN R., Fellow in Chemistry—resignation effective May 9, 1964.
- STILLINGER, JACK C., Associate Professor of English, Summer Session of 1964—resignation effective June 15, 1964.
- SUTCLIFFE, SAMUEL, Assistant Professor of Civil Engineering—resignation effective September 1, 1964.
- TAGGER, MICHEL, Instructor in Endodontics and in Periodontics, Department of Applied Materia Medica and Therapeutics, College of Dentistry—resignation effective May 11, 1964.
- TRAINOR, CLARAMAY, Instructor in Art, Summer Session of 1964—resignation effective June 15, 1964.
- TRESCOTT, PETER C., Fellow in Geology—resignation effective June 16, 1964.
- TROUGHTON, TERENCE E., Field Biologist in the Natural History Survey and in the Graduate College—termination effective June 1, 1964.
- WHEATLEY, JAMES H., Assistant Professor of English—resignation effective September 1, 1964.
- WILLIAMS, VERNITA, Assistant Chief Pharmacist, College of Pharmacy—resignation effective July 3, 1964.
- WILSON, GEORGE J., Instructor in the Institute of Aviation—resignation effective June 1, 1964.
- WINGARD, MRS. MARILYN, Assistant in Veterinary Pathology and Hygiene—resignation effective June 16, 1964.
- WOODARD, MARGARETHA, Visiting Lecturer in the Division of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
- WRIGHT, RAMIL C., Fellow in Geology—resignation effective June 16, 1964.
- WYATT, MRS. MARIE G., Assistant in Education (University High School)—resignation effective June 16, 1964.
- WYMAN, MARVIN E., Professor of Nuclear Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- YOUNG, LORNA B., Research Assistant in Chemistry, resignation effective July 1, 1964.

LEAVES OF ABSENCE

- BATEMAN, PAUL T., Professor of Mathematics and Associate Head of the Department—leave of absence, without pay, for the academic year 1964-65, so that he may accept a visiting professorship at the Graduate Center of the City University of New York.
- BURNETT, R. WILL, Professor of Secondary and Continuing Education, and Chairman of the Department—leave of absence, without pay, for the academic year 1964-65, so that he may accept an assignment on an Agency for International Development educational project in India.
- CURRIE, LEONARD J., Professor of Architecture and Dean of the College of Architecture and Art, Chicago Undergraduate Division—leave of absence, without pay, from August 13 through August 30, 1964, so that he may accept an assignment on a mission to Central America for the Agency for International Development.
- DAVISSON, MELVIN T., Associate Professor of Civil Engineering, College of Engineering—leave of absence, without pay, for the first semester of the academic year 1964-65, so that he may accept a Visiting Professorship at the University of California at Berkeley.

- HOLSHOUSER, DON F., Associate Professor of Electrical Engineering, College of Engineering and Engineering Experiment Station—leave of absence, without pay, for three months from March 15, 1965, in addition to his sabbatical leave of absence for six months from September 15, 1964, so that he may spend the full academic year at the National Technical University of Athens.
- JENSEN, ALDON H., Associate Professor of Animal Nutrition, Department of Animal Science, College of Agriculture and Agricultural Experiment Station—leave of absence, without pay, for one year from July 1, 1964, so that he may accept a Visiting Professorship in the Department of Animal Husbandry at the Kansas State University, Manhattan, Kansas.
- MCCULLOH, LEON R., Assistant Professor of Mathematics—leave of absence, without pay, for the academic year 1964-65, so that he may engage in study and research at Indiana University.
- NEAL, JAMES P., Associate Professor of Electrical Engineering, College of Engineering—leave of absence, without pay, for the academic year 1964-65, so that he may accept the National Research Council-National Bureau of Standards Postdoctoral Research Associateship for study and research at the National Bureau of Standards.
- NISHIJIMA, KAZUHIKO, Professor of Physics, College of Engineering—leave of absence, without pay, for the second semester of the academic year 1964-65, so that he may accept an appointment in the International Center for Theoretical Physics at Trieste, Italy.
- PLANTY, EARL, Professor of Management—leave of absence, without pay, for two years from September 1, 1964, so that he may serve as Dean of the College of Business Administration in Haile Selassie I University at Addis Ababa, Ethiopia.
- ROBINS, HARRY, Associate Professor of English—leave of absence, without pay, for the academic year 1964-65, so that he may accept an appointment as Visiting Professor of English at the University of Arizona at Tucson.
- SAYRE, ROBERT F., Assistant Professor of English—leave of absence, without pay, for the academic year 1964-65, so that he may accept a research fellowship in American literature at the Anglo-American Institute in Lund, Sweden.
- SCOLES, EUGENE F., Professor of Law—leave of absence, without pay, for the first semester of the academic year 1964-65, in addition to his sabbatical leave for the second semester.
- SHIMKIN, DEMITRI B., Professor of Anthropology and of Geography, and Senior Staff Member in the Center for Zoonoses Research—leave of absence, without pay, for the academic year 1964-65, so that he may accept an appointment as Visiting Professor of Anthropology at Harvard University.
- YAMAMOTO, MRS. PATRICIA, Illini Union Browsing Room Librarian, with rank of Assistant, in the Library—leave of absence, without pay, from June 15 through August 31, 1964.

CANCELLATION OF LEAVE OF ABSENCE

- MARX, WERNER, Assistant Professor of German—leave of absence, without pay, previously granted him for one year from September 1, 1964, has been cancelled.

FUTURE BOARD MEETINGS

President Clement reminded the Trustees that the next meeting of the Board will be held in Urbana on July 22, 1964, according to a schedule to be determined by the President and Secretary of the Board.

Consideration was also given to a meeting in August. No action was taken but it was the consensus that August 19, the regular date, be tentatively considered for a meeting of the Board or of its Executive Committee if the amount and nature of the business requiring Board action at that time justifies a meeting.

Mr. Williamson suggested that consideration be given to holding another meeting in the near future in the Dixon Springs area.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session was being

ordered for consideration of property acquisitions and that this session would be held after luncheon recess and would be followed by meetings of Board Committees.

On motion of Mr. Swain, the Board recessed.

During the luncheon recess, Mr. Douglas R. Mills, Director of Intercollegiate Athletics, reported informally on the new golf course, made possible by a gift of land from the late Mr. Hartwell C. Howard of Champaign to the Athletic Association of the University of Illinois, which is now under construction adjoining the present University of Illinois Golf Course at Savoy, Illinois. Mr. Charles D. Wagstaff, landscape architect and designer of both courses, was present and was introduced. Director Mills distributed a memorandum of his presentation and a copy was filed with the Secretary.

When the Board reconvened in executive session, the same members, officers of the Board, and University officers were present as recorded at the beginning of these minutes, except Mr. Ray Page who asked to be excused.

The Board considered the following matters of business presented by the President of the University and by the Director of the Physical Plant.

**PURCHASE OF PROPERTY AT 509 EAST DANIEL STREET,
CHAMPAIGN**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Illinois Building Authority be requested to purchase for the University the property at 509 East Daniel Street, Champaign, at a price of \$47,500 pursuant to the Illinois Building Authority Act.

The property is a lot approximately 50 feet by 175.25 feet (8,683 square feet), improved with a two and one-half story and basement frame rooming house. The land area will be used for parking. Possession will be delivered not later than August 10, 1964, on all but the east 10 feet of the south 57 feet; and the latter area will be delivered on or before August 10, 1969.

The price is within University appraisals. The Committee on Buildings and Grounds has also recommended the purchase.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

**PURCHASE OF PROPERTY AT 912 SOUTH FIFTH STREET,
CHAMPAIGN**

(2) The University has an opportunity to purchase the property at 912 South Fifth Street, Champaign.

The property is a corner lot 59.24 feet on Fifth Street by 66.3 feet on Chalmers Street (3,928 square feet) and is improved with a two and one-half story and basement frame dwelling. The land area is not now required for campus expansion but is a strategic corner location where the University will later need to provide parking for single graduate students. In the meantime, the house can be used either as a staff housing unit or for temporary offices.

The owner is willing to sell at a price of \$28,500, the appraised value.

It is recommended that the University request the University of Illinois Foundation to purchase the property and lease it back to the University at a rate to be determined.

I concur.

On motion of Mr. Williamson, this recommendation was approved

by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 1107 WEST SPRINGFIELD AVENUE, URBANA

(3) University representatives have been negotiating for the purchase of the property at 1107 West Springfield Avenue, Urbana, a lot 42.5 feet by 132 feet (5,610 square feet) with a two-story and basement stucco house used as a residence by the owner and for student rooms. The land is needed as part of the site for construction of the next unit of the Coordinated Science Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$23,000, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal. The Director of the Physical Plant and the Vice-President and Comptroller therefore recommend that the Board of Trustees authorize the institution of condemnation proceedings for acquisition of the property.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property at
1107 West Springfield Avenue, Urbana**

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot three (3) except the West Twenty-three Feet (23') thereof in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of

Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefore, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President