

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

October 13, 1966



The October meeting of The Board of Trustees of the University of Illinois was held in the Chicago Circle Center, Chicago, Illinois, on Thursday, October 13, 1966, beginning at 10:30 a.m.

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

Also present were President David D. Henry; Executive Vice-President and Provost Lyle H. Lanier; Chancellor Norman A. Parker, University of Illinois at Chicago Circle; Chancellor Joseph S. Begando, University of Illinois at the Medical Center; Mr. C. S. Havens, Director of the Physical Plant; Mr. C. E. Flynn, Assistant to the President and Director of Public Information; Mr. James J. Costello, Legal Counsel; Mr. Vernon L. Kretschmer, Associate Director of the Physical Plant; Mr. R. C. Wicklund, Staff Associate in the Board of Trustees Office and Assistant Secretary of the University; Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. H. O. Farber, Comptroller; Mr. R. R. Manchester, Treasurer; and Mr. Earl W. Porter, Secretary.

Mr. Clement presented the following:

To ANTHONY JAMES JANATA :

The Board of Trustees of the University of Illinois expresses and records its grateful appreciation of your sixteen years of dedicated service as its Secretary.

With a grace and dignity that is reflected in the personality of this institution, you have served this Board of Trustees as steward, counselor, and friend to all its members. To some of us our personal and professional associations with you embrace the whole of our adult lives. To all of us you have been a symbol of the character of the University, through periods of growth, crisis, and increasing complexity. Nor are we unmindful of the further continuity you have represented during forty-five years of close association with seven of the presidents of the University of Illinois. In this long career, you have brought credit to us and the University in the performance of a multitude of services for which no expression of gratitude can be entirely adequate. We can not look upon your retirement without regret, indeed sadness, but we take satisfaction from our deeply felt realization that the record of accomplishment is clear and bright and that it will always be a significant part of the long history of the University of Illinois.

The Board of Trustees directs that this resolution be incorporated in the minutes of today's meeting, to become a part of the official public record, and that a special copy be prepared and given you as a permanent reminder of the esteem and affection in which you are held by all of us.

Mr. Janata was asked to stand during the reading of the resolution, and the resolution was then adopted by the members of the Board by a standing vote.

Mr. Janata responded briefly, expressing his appreciation of the personal associations he had enjoyed over many years with the Trustees, officers, and other groups related to the University. He stated that he had known during his career a total of seventy-two trustees of the University of Illinois, thirty-six of whom are now living.

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.

The President of the University asked the Executive Vice-President and Provost to present to the Trustees a report of the fall enrollments of all campuses of the University. Mr. Lanier distributed a report containing this information and the Trustees discussed the report with particular attention to the question of numbers of qualified students who have had to be rejected because of insufficient facilities to accommodate them.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Illinois 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>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
RALPH ANTHONY BOSCH	Arlington Heights, Illinois	Ohio
FREDERICK LOOMIS NEUMANN	Urbana, Illinois	Connecticut
MARTIN J. ROSEN	Chesterfield, Missouri	Missouri
JOHN J. SPINETTO	Grand Rapids, Michigan	New York

I concur.

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

APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

(2) The Committee on Accountancy recommends the appointment of Crane Hauser, a partner in the law firm of Winston, Strawn, Smith & Patterson, Chicago, to the Board of Examiners in Accountancy for a three-year term to succeed Charles W. Davis whose term expired June 30, 1966.

I concur.

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

APPOINTMENTS TO THE FACULTY

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

Positions in the University are classified in the following categories and are designated in the budget by the symbols indicated: A—indefinite tenure; B—two years; D—one year; E—nine months from the beginning of the academic year; G—special tenure; Y—twelve months' service required instead of two semesters.

Figures following a symbol indicate percentage of time if the appointment is on a part-time basis (e.g., D75 means one year on three-fourths time).

1. BATCHELDER, WILLIAM H., Assistant Professor of Psychology (Urbana), beginning September 1, 1966, at an annual salary of \$9,000 (B).
2. BAUM, BERNARD H., Associate Professor of Management and Associate Professor of Sociology (Chicago Circle), beginning September 1, 1966, at an annual salary of \$16,500 (A).
3. BAZZAZ, FAKHRI, Assistant Professor of Botany, on one-fourth time, and in the Division of General Studies, on three-fourths time (Urbana), beginning September 1, 1966, at an annual salary of \$9,000 (B).
4. BOGARTZ, RICHARD S., Visiting Associate Professor of Psychology (Urbana), beginning September 1, 1966, at an annual salary of \$11,000 (D).
5. BOYLSON, MYRON I., Staff Physician and Assistant Professor of Health Science, Health Service (Urbana), beginning September 6, 1966, at an annual salary of \$16,300 (DY).
6. BURGOYNE, PETER N., Associate Professor of Mathematics (Chicago Circle), beginning September 1, 1966, at an annual salary of \$13,000 (A).
7. CARVER, FRED D., Coordinator in the Office of University-Schools Research, Bureau of Educational Research, and Assistant Professor of Educational Administration and Supervision (Urbana), beginning September 1, 1966, at an annual salary of \$11,500 (DY).
8. CHEN, CHENG-LUNG, Associate Professor of Civil Engineering (Urbana), beginning September 1, 1966, at an annual salary of \$9,500 (D).
9. CLORE, GERALD L., JR., Assistant Professor of Psychology (Urbana), beginning September 1, 1966, at an annual salary of \$9,000 (B).
10. CROWLEY, JOSEPH M., Assistant Professor of Electrical Engineering (Urbana), beginning September 1, 1966, at an annual salary of \$9,700 (B).
11. DEMBOWSKI, HANS P., Visiting Associate Professor of Mathematics (Chicago Circle), beginning September 1, 1966, at an annual salary of \$14,000 (D).
12. DISQUE, DONALD F., Assistant Professor of Veterinary Clinical Medicine, College of Veterinary Medicine (Urbana), beginning September 1, 1966, at an annual salary of \$11,000 (BY).
13. EVANS, JOHN V., George A. Miller Visiting Professor of Electrical Engineering (Urbana), for the academic year beginning October 1, 1966, at an annual salary of \$17,000 (D).

14. FORD, LeROY H., JR., Visiting Associate Professor of Psychology (Urbana), on one-third time, for four and one-half months from September 16, 1966, at a salary of \$2,000 (E33).
15. FREESE, HOMER B., Staff Physician and Associate Professor of Health Science, Health Service (Urbana), beginning January 1, 1967, at an annual salary of \$18,000 (G).
16. FRENKEL, MARCEL, Assistant Professor of Ophthalmology, College of Medicine, on one-half time, beginning October 1, 1966, at an annual salary of \$8,000 (DY50).
17. GARABEDIAN, HENRY L., Professor of Energy Engineering, on one-half time, and Professor of Mathematics, on one-half time (Chicago Circle), beginning January 1, 1967, at an annual salary of \$18,000 (A).
18. GELICK, MICHAEL S., Assistant Professor of Architecture (Chicago Circle), for three months from September 16, 1966, at a salary of \$3,000 (G).
19. GRAFFIS, DON W., Associate Professor of Forage Crops Extension, Department of Agronomy (Urbana), beginning September 1, 1966, at an annual salary of \$13,000 (AY).
20. HARLAN, JACK R., Professor of Plant Genetics, Department of Agronomy (Urbana), beginning September 15, 1966, at an annual salary of \$20,000 (AY).
21. JOHNSON, RAUL, Assistant Professor of Speech and Theatre (Chicago Circle), beginning September 1, 1966, at an annual salary of \$10,500 (B).
22. JOSEPH, MAURICE E., Assistant Professor of Communication Sciences, Department of Otolaryngology, College of Medicine, beginning September 1, 1966, at an annual salary of \$15,000 (DY).
23. KIEFER, JOHN H., Associate Professor of Energy Engineering (Chicago Circle), for two years from September 1, 1966, at an annual salary of \$12,000 (G).
24. KOKOTOVIC, PETAR, Visiting Associate Professor of Electrical Engineering and in the Coordinated Science Laboratory (Urbana), for one year from September 1, 1966, at a salary of \$14,000 (DY).
25. LEUENBERGER, PAUL L., Consultant with rank of Assistant Professor in the Jane Addams Graduate School of Social Work (Urbana), beginning September 12, 1966, at an annual salary of \$12,750 (DY).
26. LITTLE, ROGER W., Associate Professor of Sociology and Anthropology (Chicago Circle), beginning September 1, 1966, at an annual salary of \$11,000 (A).
27. LOFGREN, LARS, Visiting Associate Professor of Electrical Engineering (Urbana), beginning September 1, 1966, at an annual salary of \$13,500 (DY).
28. MRTEK, ROBERT G., Assistant Professor of Pharmacy, College of Pharmacy, beginning September 1, 1966, at an annual salary of \$9,500 (D).
29. NORDSTROM, JAMES W., Assistant Professor of Nutrition, Department of Home Economics (Urbana), beginning September 15, 1966, at an annual salary of \$11,750 (DY).
30. RAY, (MISS) DURGA, Assistant Professor of Mathematics (Chicago Circle), beginning September 1, 1966, at an annual salary of \$10,400 (B).
31. SCHILLER, STEPHEN A., Assistant Professor of Criminal Justice, College of Liberal Arts and Sciences (Chicago Circle), on one-third time, beginning September 1, 1966, at an annual salary of \$3,500 (D33).
32. STALLINGS, WILLIAM M., II, Research Assistant Professor in the Office of Instructional Resources and Assistant Professor of Educational Psychology (Urbana), beginning September 1, 1966, at an annual salary of \$12,000 (DY).
33. STEINER, SIMON D., Associate Professor of Art (Chicago Circle), for two years from September 1, 1966, at an annual salary of \$12,000 (G).
34. STOESSL, FRANZ, Visiting Professor of Classics, Department of English (Chicago Circle), beginning September 1, 1966, at an annual salary of \$16,000 (D).
35. SUMMERS, DAVID A., Research Assistant Professor of Psychology (Urbana), beginning September 1, 1966, at an annual salary of \$9,000 (B).
36. TWERSKY, VICTOR, Professor of Mathematics (Chicago Circle), beginning September 1, 1966, at an annual salary of \$21,000 (A).
37. WANG, SHAO-FU, Visiting Research Associate Professor of Physics (Urbana), for four months from January 1, 1967, at a salary of \$5,200 (G).
38. WERT, CHARLES A., Professor of Physical Metallurgy and Acting Head of the Department of Mining, Metallurgy, and Petroleum Engineering (Urbana), beginning September 1, 1966, at an annual salary of \$22,000 (A, D).
39. WINE, MARTIN L., Associate Professor of English (Chicago Circle), beginning January 1, 1967, at an annual salary of \$12,500 (A).

40. ZOOT, GERALD N., Assistant Professor of Operative Dentistry, College of Dentistry, on one-third time, beginning September 1, 1966, at an annual salary of \$3,000 (BY30).

On motion of Mrs. Watkins, these appointments were confirmed.

HEADSHIP OF DEPARTMENT OF GEOLOGY, URBANA

- (4) The Dean of the College of Liberal Arts and Sciences at Urbana recommends the appointment of Dr. Fred A. Donath, presently on the staff of Columbia University, as Professor of Geology on indefinite tenure and Head of the Department beginning January 1, 1967, at an annual salary of \$20,000, divided: \$18,000 as Professor of Geology, and \$2,000 as Head of the Department of Geology, on an academic year service basis.

This appointment is to succeed Professor George W. White who asked to be relieved of his administrative duties as Head of the Department as of September 1, 1965. In the meantime, Professor Carleton A. Chapman has been serving and will continue to serve as Acting Head of the Department until January 1, 1967.

Professor Donath was nominated by a search committee,¹ and his appointment is endorsed by the Executive Committee of the College of Liberal Arts and Sciences, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval.

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

OFFICE OF PUBLICATIONS AND OFFICE OF AGRICULTURAL COMMUNICATIONS, COLLEGE OF AGRICULTURE, URBANA

- (5) The Dean of the College of Agriculture recommends changes in administrative organization within his office relating to publications and agricultural communications. Two new offices are proposed: an Office of Publications and an Office of Agricultural Communications.

The new organizational pattern does not involve new programs, nor are any new functions or duties involved. The intent of the changes proposed is to improve the efficiency of present services and facilitate the orderly growth and development of the work of the College in publications and communications.

The Dean of the College of Agriculture further recommends the following appointments: A. W. Janes, presently Editor with the rank of Associate Professor, as Head of the Office of Publications with rank of Associate Professor; and Hadley Read, presently Extension Editor and Professor of Agricultural Extension, as Head of the Office of Agricultural Communications, Assistant Director of the Cooperative Extension Service in Agriculture, and Professor of Agricultural Extension.

The Executive Vice-President and Provost concurs in these administrative changes and appointments.

I recommend approval.

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

COLLEGE OF PHARMACY ADVISORY COMMITTEE

- (6) The Dean of the College of Pharmacy and the Chancellor at the Medical Center campus recommend the appointment of Ned Harris, General Sales Manager of the Geller Drug Company, Chicago, to the College of Pharmacy Advisory Committee for a term ending June 30, 1971. Mr. Harris will replace Mr. Milton S. Prizant of Chicago, whose term has expired.

I concur.

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

NEW CURRICULUM PLAN, SCHOOL OF SOCIAL WORK, URBANA

- (7) The faculty of the Jane Addams Graduate School of Social Work has developed, and the Executive Vice-President and Provost has approved, a new cur-

¹ L. Leon Campbell, Professor of Microbiology and Head of the Department, Chairman; Gerald M. Almy, Professor of Physics and Head of the Department; Herbert E. Carter, Professor of Biochemistry and Head of the Department of Chemistry and Chemical Engineering; Carleton A. Chapman, Professor of Geology and Acting Head of the Department; Robert N. Farvolden, Associate Professor of Geology; Ralph E. Grim, Research Professor of Geology; J. Woodland Hastings, Professor of Biochemistry; William Winn Hay, Associate Professor of Geology.

riculum plan for the program of the School at the Urbana campus. It is reported to the Trustees as a matter of information.

Under the present plan, field activity is about equally distributed within the two-year curriculum, students spending two or three days a week in agencies of downstate communities. The new plan calls for the student to spend two sixteen-week semesters, primarily in study on the Urbana campus, followed by thirty-two weeks of field work with appropriate holiday vacations. The entire program would be completed in sixteen months instead of the present twenty months.

It is expected that students will gain greater understanding of basic knowledge during their first year than is now possible. Only minor restructuring of class content is anticipated.

No substantial changes in objectives of the curricula are involved. However, the plan would require year-round operation of the School. Greater efficiency in the cost of field learning operations, in terms of travel and time, is expected to enable the School to double enrollment without increasing field learning resources.

The plan would be effective only for the Urbana program in social work. Although their objectives are similar, the Urbana and Chicago programs will retain the unique qualities brought about by their different environments.

This report was received for record.

CURRICULA AND REQUIREMENTS FOR MASTER'S DEGREES. CHICAGO CIRCLE

(8) In accordance with policies of the Illinois Board of Higher Education, as delineated in *A Master Plan for Higher Education in Illinois*, the Chicago Circle campus has initiated plans for offering the master's degree. The Illinois Board of Higher Education and the Board of Trustees have been informed of these plans and of the intent to propose the initiation of graduate study in September, 1967. During the past two years, several departments have been preparing programs for graduate study at the master's level. The initial step towards the development of these plans was taken in August, 1964, when an office of the University of Illinois Graduate College was established at the Chicago Circle campus. The appointment of an Associate Dean was approved by the Board of Trustees in May, 1965.

Ten programs for the master's degree have been approved by the Graduate College, by the Chicago Circle Senate, and by the appropriate University officers. These are Biological Sciences, Chemistry, English, Geology, German, History, Mathematics, Philosophy, Physics, and Psychology. Requirements for these programs as well as enrollment projections and other relevant information are supplied in the following memorandum. Other programs are under consideration.

The Executive Vice-President and Provost, the Dean of the Graduate College, and the Chancellor of the University of Illinois at Chicago Circle recommend approval of the ten master's degree programs and degree requirements as summarized below. All of the programs and requirements, with the exception of corrections of minor inconsistencies relating to graduate credit, have received approval of the Chicago Circle Senate. The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval, subject to further action by the Illinois Board of Higher Education.

Common Requirements for the Master's Degree

With the exception of the form of graduate credit and matters relating specifically to the Urbana-Champaign campus, the requirements of the division of the Graduate College at Chicago Circle are as stated in the 1965-66 edition of the Graduate College catalog. References to Urbana-Champaign are replaced by Chicago Circle. Requirements involving graduate credit have been exactly translated from units to quarter hours as explained below.

Following a recommendation by the Graduate College, the Senate approved the quarter hour as a measure of graduate credit. The requirements for the master's degree in quarter hours are exactly equivalent to requirements in units as stated in the University of Illinois Graduate College catalog, 1965-66. This equivalence is established by noting that one unit is by definition equal to four semester hours. Consequently, the eight-unit minimal requirement for the master's degree is forty-eight hours in the quarter system.

Eighteen of the forty-eight quarter hours must be in courses numbered in the

400 series, and twelve of these eighteen must be in the major field. At least twenty-four quarter hours must be in the major field. The remaining credit may be in that field or in other courses appropriate to the student's educational goals.

No more than eighteen quarter hours of thesis credit may be included in a forty-eight quarter hour program.

The normal program for a full-time graduate student is sixteen quarter hours. The maximum permissible is twenty quarter hours.

The academic work carried by assistants and others on the University staff is limited by statute, and those employed outside the University are expected to reduce their programs of study in accordance with these regulations. The maximum amount of academic work is determined by the terms of employment as follows:

<i>Nature of Appointment</i>	<i>Maximum Registration per Quarter</i>
Full time	4 quarter hours
Three-fourths time	8 quarter hours
Two-thirds time	9 quarter hours
One-half time	12 quarter hours
One-third time	15 quarter hours
One-fourth time	16 quarter hours

Programs for the Master's Degree

The master's degree may be terminal for some students, especially teachers in public schools and junior colleges. For others, the degree will be the first step toward the doctorate. Each program for the master's degree establishes a broad foundation of knowledge for both classes of students. In addition, each program requires an appropriate degree of specialization on the part of the student as described in the summary statements which follow.

Departmental standards for admission and graduation are generally equivalent to those of corresponding departments in Urbana as approved by the Board of Trustees and are therefore not included.

Table I indicates the projected enrollments in the ten programs. Table II shows the graduate faculty standing of members of the departments now seeking to begin graduate programs.

**Table I. University of Illinois at Chicago Circle
FTE Students, Graduate I**

<i>Department</i>	<i>1967</i>	<i>1968</i>	<i>1970</i>	<i>1972</i>	<i>1974</i>
Biological Sciences	15	20	45	65	90
Chemistry	28	36	60	82	105
English	38	43	60	89	123
Geology	5	10	23	29	35
German	15	20	36	40	55
History	21	30	58	86	110
Mathematics	40	50	90	139	177
Philosophy	16	15	26	34	42
Physics	13	25	45	65	89
Psychology	20	20	35	45	55

**Table II. University of Illinois at Chicago Circle
Faculty Standing**

<i>Department</i>	<i>Full</i>		<i>Master's</i>		<i>Limited</i>
	<i>Present</i>	<i>Probable</i>	<i>Present</i>	<i>Probable</i>	<i>Present</i>
Biological Sciences	4		8		14
Chemistry	6		7		12
English	2	6	6	4	
Geology	3		1		1
German	2		4		4
History	2	3	4		9
Mathematics	11		6		13
Philosophy	5		1		2
Physics	5		10	4	4
Psychology	3		6		7

Biological Sciences

The department will offer a Master of Science degree. Areas of specialization are (1) genetics and development; (2) systematics, evolution, and ecology; and (3) physiology and morphology. Each student will be required to be competent in two of the three major areas of specialization and to be familiar with the third. The candidate is urged to achieve competence in at least one modern foreign language and to take work in calculus, statistics, and biochemistry. Students will not receive more than twelve quarter hours credit for thesis research.

Chemistry

The department will offer the Master of Science degree. A core program of courses will provide a solid foundation for all areas of specialization. The areas of specialization are theoretical chemistry, inorganic chemistry, bio-organic chemistry, physical organic chemistry, and experimental physical chemistry. Each student may choose electives from chemistry and from other fields related to his area of specialization. The thesis is optional, and the student may receive up to eighteen quarter hours for thesis research.

English

The department will offer the Master of Arts degree with specialties in English and American literature and linguistics.

Students are required to write a thesis or to submit a series of departmental papers. A reading knowledge of one approved foreign language is required. Sixteen quarter hours may be presented in an approved minor.

Geology

The department will offer the Master of Science degree with the following areas of specialization: (1) crystallography, mineralogy, petrology, and geochemistry; (2) paleontology; (3) oceanography, sedimentology, and sedimentary geochemistry. Each specialty will lean heavily toward interdisciplinary training and cooperation with the faculty from departments such as Biological Sciences, Chemistry, Physics, and others, in line with the newer developments in geologic science.

German

The department will offer the Master of Arts degree with specialties in linguistics and modern grammar; and the literature of the years since 1700. Each student will be required to write a thesis or a departmental master's paper, and he will be expected to complete work in an approved minor area outside the department.

History

The department will offer the Master of Arts degree in the following fields of specialization: early modern Europe, modern Europe, Great Britain, and America (United States), with emphasis on urban studies when appropriate. Each student is required to participate in a research seminar in which he would prepare a master's essay. He must also pass a reading examination in one foreign language relevant to his program of study. A student may, with the approval of the department, take a minor in another field.

Mathematics

The department will offer a program leading to the degree of Master of Arts or Master of Science. The fields of specialization are: (1) pure mathematics: algebra, analysis, geometry, and topology; (2) applied mathematics: differential equations, numerical analysis, the study of special functions, computer science, mathematical physics, as well as applications in a variety of engineering disciplines; and (3) the teaching of mathematics.

Philosophy

The department will offer the degree of Master of Arts. The areas of specialization will be logic, epistemology, philosophy of science, value theory, metaphysics, and history of philosophy. The program in logic will involve cooperation with the Department of Mathematics: students in either department may specialize in logic, and (cross-listed) courses in logic will be offered by members of both faculties.

Students must take one course in each of the following three fields: history of philosophy; theory of knowledge (including logic, philosophy of science, and philosophy of language); and ethics (including value theory). A maximum of sixteen quarter hours of credit is permitted for thesis research.

Physics

The department will offer the Master of Science degree. The student may specialize in theoretical physics, experimental high-energy physics, or molecular spectroscopy and modern optics. Theoretical physics includes nuclear and hyper-nuclear structure, particle physics, quantum field theory, statistical mechanics, and electromagnetic theory. A thesis is required for a maximum of twelve quarter hours.

Psychology

The department will offer the Master of Arts degree in three areas of concentration: general psychology, applied psychology, and developmental psychology. General psychology consists of basic courses in experimental and theoretical psychology and quantitative methods; it is designed as a core for students taking a terminal Master of Arts degree in one of the other areas, or as an introduction to a doctoral program in applied areas, in social psychology, and in the health-related fields. A thesis is required.

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

NAMES OF BUILDINGS AT CHICAGO CIRCLE AND NAMES OF STREETS AT THE MENTAL HEALTH CENTER, URBANA

(9) On September 21, 1966, the Committee on Buildings and Grounds approved proposals for the naming of buildings at the Chicago Circle campus and the naming of streets at the Mental Health Center in Urbana. The actions are reported to the Board now as a matter of record.

The Committee approved the following names of buildings at Chicago Circle: science and engineering office building—Science and Engineering Offices; classroom buildings—Patrick Henry Hall and Adlai E. Stevenson Hall.

The streets concerned are within the Mental Health Center being developed by the University and the Illinois Department of Mental Health. The names approved are those of persons who were instrumental in the development of the state mental health program:

Main entrance drive—Gerty Street (for Dr. Francis J. Gerty, former Head of Department of Psychiatry in the College of Medicine and Director of the Illinois Department of Mental Health)

East drive—Kirk Drive (for Dr. Samuel A. Kirk, Professor of Special Education and of Psychology and Director of the Institute for Research on Exceptional Children, Urbana)

West drive—Griffith Street (for the late Dr. Coleman R. Griffith, former Provost of the University and Professor of Education and of Psychology)

South drive—Bailey Drive (for Dr. Percival Bailey, Distinguished Professor of Neurology and Neurological Surgery, College of Medicine, Emeritus, and Director of Research for the Illinois Department of Mental Health)

On motion of Mr. Pogue, the report of the action of the Committee on Buildings and Grounds was received for record.

At this point, Mr. Page asked to be excused from the meeting.

APPLICATIONS FOR GRANT FUNDS UNDER TITLE I OF THE HIGHER EDUCATION FACILITIES ACT OF 1963

(10) Under the Higher Education Facilities Act of 1963, the United States Commissioner of Education is authorized to grant funds for the construction, rehabilitation, and improvement of academic and related facilities. The requirements of the Department of Health, Education, and Welfare for the submission of applications for grants under the Act necessitate the adoption of a formal resolution by the Board authorizing the filing of applications and designating the person to act on behalf of the University in connection therewith.

It is recommended that the Board of Trustees of the University of Illinois adopt the resolutions submitted herewith authorizing the filing of three applications and one supplemental application for grants for the following projects and designating James E. Osborn, Business Manager at Chicago Circle, as the officer authorized to file the applications on behalf of the University for construction at Chicago Circle, and H. O. Farber, Comptroller of the Board, as the officer authorized to file the applications on behalf of the University for construction at Urbana-Champaign.

Construction at Chicago Circle — Behavioral Science Center and Physical Education Building

Construction at Urbana-Champaign — Intramural-Physical Education Building and Psychology Laboratory

**Resolution Authorizing the Filing of Application for Grant Funds
Under Title I of the Higher Education Facilities Act of 1963**

Approved October 13, 1966

WHEREAS, the U.S. Commissioner of Education is authorized under the Higher Education Facilities Act of 1963 to grant funds for the construction, rehabilitation, and improvement of certain academic and related facilities; and

WHEREAS, The Board of Trustees of the University of Illinois, the governing body of the University of Illinois, hereinafter called the Applicant, is cognizant of the conditions under which such grant funds are made available and approved for payment to an applicant; and

WHEREAS, it is the sense of the governing body of the Applicant that it is desirable to apply for a grant under the aforementioned act for the project described as follows:

Construction of Behavioral Science Center at Chicago Circle

Now, therefore, be it

Resolved, that an application for the project described above is authorized and directed to be filed with the Illinois Board of Higher Education, with the understanding that if upon due consideration by said board, applying the criteria of the State plan, said application receives a priority rating sufficiently high to receive grant funds under the aforementioned act, said application will be forwarded to the U.S. Commissioner of Education for consideration for his approval; and be it further

Resolved, that The Board of Trustees of the University of Illinois designates James E. Osborn, Business Manager, Chicago Circle Campus, as the officer authorized to file the application and act as the representative of this Board in connection with said application.

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

**Resolution Authorizing the Filing of Application for Grant Funds
Under Title I of the Higher Education Facilities Act of 1963**

Approved October 13, 1966

WHEREAS, the U.S. Commissioner of Education is authorized under the Higher Education Facilities Act of 1963 to grant funds for the construction, rehabilitation, and improvement of certain academic and related facilities; and

WHEREAS, The Board of Trustees of the University of Illinois, the governing body of the University of Illinois, hereinafter called the Applicant, is cognizant of the conditions under which such grant funds are made available and approved for payment to an applicant; and

WHEREAS, it is the sense of the governing body of the Applicant that it is desirable to apply for a grant under the aforementioned act for the project described as follows:

Construction of Physical Education Building at Chicago Circle

Now, therefore, be it

Resolved, that an application for the project described above is authorized and directed to be filed with the Illinois Board of Higher Education, with the understanding that if upon due consideration by said board, applying the criteria of the State plan, said application receives a priority rating sufficiently high to receive grant funds under the aforementioned act, said application will be forwarded to the U.S. Commissioner of Education for consideration for his approval; and be it further

Resolved, that The Board of Trustees of the University of Illinois designates James E. Osborn, Business Manager, Chicago Circle Campus, as the officer authorized to file the application and act as the representative of this Board in connection with said application.

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

**Resolution Authorizing the Filing of Application for Grant Funds
Under Title I of the Higher Education Facilities Act of 1963
Approved October 13, 1966**

WHEREAS, the U.S. Commissioner of Education is authorized under the Higher Education Facilities Act of 1963 to grant funds for the construction, rehabilitation, and improvement of certain academic and related facilities; and

WHEREAS, The Board of Trustees of the University of Illinois, the governing body of the University of Illinois, hereinafter called the Applicant, is cognizant of the conditions under which such grant funds are made available and approved for payment to an applicant; and

WHEREAS, it is the sense of the governing body of the Applicant that it is desirable to apply for a grant under the aforementioned act for the project described as follows:

Construction of Intramural Physical Education Building,
at Urbana-Champaign

Now, therefore, be it

Resolved, that an application for the project described above is authorized and directed to be filed with the Illinois Board of Higher Education, with the understanding that if upon due consideration by said board, applying the criteria of the State plan, said application receives a priority rating sufficiently high to receive grant funds under the aforementioned act, said application will be forwarded to the U.S. Commissioner of Education for consideration for his approval; and be it further

Resolved, that The Board of Trustees of the University of Illinois designates H. O. Farber, Comptroller, as the officer authorized to file the application and act as the representative of this Board in connection with said application.

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

**Resolution Authorizing the Filing of Supplementary Application for Grant
Funds Under Title I of the Higher Education Facilities Act of 1963
Approved October 13, 1966**

WHEREAS, the U.S. Commissioner of Education is authorized under the Higher Education Facilities Act of 1963 to grant funds for the construction, rehabilitation, and improvement of certain academic and related facilities; and

WHEREAS, The Board of Trustees of the University of Illinois, the governing body of the University of Illinois, hereinafter called the Applicant, is cognizant of the conditions under which such grant funds are made available and approved for payment to an applicant; and

WHEREAS, it is the sense of the governing body of the Applicant that it is desirable to apply for a supplemental grant under the aforementioned act for the project described as follows:

Construction of Psychology Laboratory at Urbana-Champaign

Now, therefore, be it

Resolved, that a supplementary application for the project described above is authorized and directed to be filed with the Illinois Board of Higher Education, with the understanding that if upon due consideration by said board, applying the criteria of the State plan, said application receives a priority rating sufficiently high to receive grant funds under the aforementioned act, said supplementary application will be forwarded to the U.S. Commissioner of Education for consideration for his approval; and be it further

Resolved, that The Board of Trustees of the University of Illinois designates H. O. Farber, Comptroller, as the officer authorized to file the supplementary application and act as the representative of this Board in connection with said supplementary application.

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

APPROPRIATIONS FOR NONRECURRING EXPENDITURES, URBANA

(11) The Committee on Nonrecurring Appropriations, the Executive Vice-President and Provost, and the Vice-President and Comptroller recommend the following appropriations for the Urbana-Champaign campus:

From the Urbana-Champaign General Reserve

College of Liberal Arts and Sciences

Department of Geology, equipment.....	\$ 32 850 00
Renovation and remodeling for which funds are assigned to the Physical Plant Department:	

A portion of the cost to remodel in the Natural History Building for the Department of Geology (teaching and research space)....	83 000 00
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<i>Total, Urbana-Champaign General Reserve.....</i>	<i>\$115 850 00</i>
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From Contract Research Reserve

College of Liberal Arts and Sciences

Department of Geology, research equipment.....	\$ 77 001 00
Library	

Library Additions, supplementary funds.....	50 000 00
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Renovation and remodeling for which funds are assigned to the Physical Plant Department:

Balance of the cost to remodel in the Natural History Building for the Department of Geology (research space and teaching)	136 000 00
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Remodeling in the Animal Sciences Laboratory for advanced graduate teaching and research.....	16 440 00
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Remodeling the unfinished basement in the Coordinated Science Laboratory to provide laboratory and working space.....	20 495 00
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Remodeling in Noyes Laboratory for the Department of Physiology and Biophysics for graduate and research work.....	13 500 00
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Remodeling in Noyes Laboratory for research work for the Department of Microbiology.....	27 030 00
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<i>Total, Contract Research Reserve.....</i>	<i>\$340 466 00</i>
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<i>Grand Total.....</i>	<i>\$456 316 00</i>
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I concur.

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

APPROPRIATION BY THE ATHLETIC ASSOCIATION

(12) The Board of Directors of the Athletic Association approved an appropriation of \$29,640 to provide funds to cover the cost of preparing plans and specifications for the Addition to the Press Box at Memorial Stadium.

Confirmation of this appropriation is requested.

On motion of Mr. Swain, the action of the Board of Directors of the Athletic Association was confirmed.

REQUEST THAT ILLINOIS BUILDING AUTHORITY CONTRACT FOR CONSTRUCTION OF LIBRARY AIR CONDITIONING CENTER, URBANA

(13) On September 14, 1966, the Illinois Building Authority received bids for all work for the construction of the Library Air Conditioning Center at the Urbana campus. The Center will serve the Undergraduate Library and the proposed Psychology Building. The lowest bidder is George S. Walker Plumbing & Heating, Inc., Decatur, with a low bid of \$342,788. Eight other proposals were received, with bids ranging from \$349,645 to \$422,145. The lowest bidder is deemed fully qualified and has performed satisfactorily under contract with the University in the past.

The project is one which the Board of Trustees on September 22, 1965, requested the Illinois Building Authority to provide. The Authority will finance construction and lease the facilities to the University for rental payments for which state appropriations are available.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board request the Illinois Building Authority to award a contract for the described work to the lowest bidder and proceed to procure this facility for the use of the University.

I concur and recommend adoption of the following resolution.

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 Illinois Building Authority be, and it hereby is, requested to contract with George S. Walker Plumbing & Heating, Inc., Decatur, for the total work for the construction of the Library Air Conditioning Center at the Urbana-Champaign campus at the total cost of \$342,788.

Be It, and It Hereby Is, Further Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized to make, execute, acknowledge and deliver, in the name and in behalf of this corporation, such instruments of transfer, assignment, conveyance, lease, contract, and other documents as are necessary or appropriate in order to provide for the carrying out of the foregoing project and facility by the Illinois Building Authority.

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

REQUEST TO ILLINOIS BUILDING AUTHORITY TO CONTRACT WITH CITY OF CHICAGO FOR WATER MAIN RELOCATION

(14) On March 16, 1966, the Trustees authorized the city of Chicago, acting through its Department of Water and Sewers, to relocate and extend water mains to serve the Science and Engineering Staff Office Building, the Library, and the Architecture and Art Laboratories, all part of Phase II construction, Chicago Circle, at an estimated total cost of \$44,948.70.

As these projects are being financed and constructed by the Illinois Building Authority, it has been subsequently concluded that the cost of relocating and extending the water mains to serve these buildings should properly be paid for by the Illinois Building Authority.

Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board request the Illinois Building Authority to assume the University's obligation to pay the city of Chicago for the above-described work.

I concur and recommend adoption of the following resolution.

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 Illinois Building Authority be, and it hereby is, requested to procure from the City of Chicago, a municipal corporation, acting through its Department of Water and Sewers, the total work of the relocation and extension of water mains to serve the Science and Engineering Staff Office Building, Library, and Architecture and Art Laboratories at Chicago Circle, Phase II, at an estimated total cost of \$44,948.70.

Be It, and It Hereby Is, Further Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized to make, execute, acknowledge and deliver, in the name and in behalf of this corporation, such instruments of transfer, assignment, conveyance, lease, contract, and other documents as are necessary or appropriate in order to provide for the carrying out of the foregoing project and facility by the Illinois Building Authority.

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

ASSIGNMENT OF CONSULTANT CONTRACT TO THE ILLINOIS BUILDING AUTHORITY

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board authorize the assignment of the contract with Waldron Associates, Inc., Haddonfield, New Jersey, to the Illinois Building Authority.

The firm was employed by the Board at its meeting on April 20, 1966, for critical path scheduling services for construction of Chicago Circle campus, Phase II. Inasmuch as this work is being financed and constructed by the Illinois Building Authority in accordance with an act of the Seventy-fourth General Assembly of Illinois declaring this project to be in the public interest, it is desirable that the contract be assigned to the Illinois Building Authority.

I concur in the recommendation.

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

CONTRACTS FOR AIR CONDITIONING ADMITTING CLINIC. GENERAL HOSPITAL BUILDING

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend the award of contracts for air conditioning Admitting Clinic, General Hospital Building, at the Medical Center campus, the award in each case being to the lowest bidder:

Heating, Refrigeration and Temperature Controls — Hedmark Heating Company, Inc., Glen Ellyn.....	\$ 9 668 00
Ventilation — Hedmark Heating Company, Inc., Glen Ellyn.....	3 660 00
Plumbing — Peter H. Smith Company, Chicago.....	3 248 00
Pipe Covering and Insulation — Chicago Asbestos Manufacturing Company, Chicago	655 00
Electrical — Casey Electric Service Company, Chicago.....	2 250 00
General — Mutual Contracting Company, Chicago.....	2 510 00
	<hr/> \$21 991 00

Funds for this work are available from an appropriation approved by the Board of Trustees on June 16, 1965.

Submitted herewith is 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. Swain, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones,

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

**ADDITION TO CONTRACT FOR CONSTRUCTION OF COORDINATED
SCIENCE LABORATORY, PHASES III AND IV, URBANA**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$14,217.34 in the contract with Johnson, Drake & Piper, Incorporated, Terre Haute, Indiana, for construction of the Coordinated Science Laboratory, Phases III and IV. This increase is to provide an additional air conditioning and humidity control system required for the installation of a computer.

Funds are available in the project budget.

I concur.

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

**ADDITION TO CONTRACT FOR CONSTRUCTION
AT CHICAGO CIRCLE CAMPUS, PHASE II**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board request the Illinois Building Authority to authorize an increase of \$51,591 in the contract with Gust K. Newberg Construction Co., Chicago, for construction of the Chicago Circle campus, Phase II. This increase will make possible the installation of revolving doors on two floors of the Library as originally planned. The installation had been eliminated due to the lack of funds available. Since the award of the construction contracts, federal grants have been received and funds are now available for this work.

I concur.

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

**EMPLOYMENT OF SARGENT & LUNDY FOR ENGINEERING SERVICES
FOR MODIFICATIONS IN THE STEAM DISTRIBUTION SYSTEM, URBANA**

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board authorize a contract with Sargent & Lundy, Chicago, for the preparation of plans and specifications for modifications in the steam distribution system on the Urbana campus. The modifications proposed will allow the system to handle an increase in steam pressure from 50 pounds per square inch to 150 pounds per square inch. The work will consist of collection of data and preparation of specific plans for each of the approximately two hundred buildings on the campus and in the underground steam distribution system.

The firm will provide the services at actual costs of engineering and drafting personnel plus 50 per cent plus a fixed fee charge of 2 per cent of the actual cost of construction, and if a resident engineer is required, the firm will provide personnel at actual salary or wages plus 35 per cent.

Funds are available from state capital appropriations to the University for 1965-67 and have been released.

I concur.

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

EASEMENT TO ILLINOIS BELL TELEPHONE COMPANY

(20) The Vice-President and Comptroller recommends that the Illinois Bell Telephone Company be granted an easement for the construction of an underground telephone cable over road right-of-way only and bordering Weber Farms Nos. 4 and 5 located in Waltham Township, La Salle County, Illinois, and that the following resolution be adopted.

**Resolution Granting Easement Over Road Right-of-Way Only
and Bordering Weber Farms Nos. 4 and 5, Located
in Waltham Township, LaSalle County, Illinois**

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 Corporation 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 Illinois Bell Telephone Company, an Illinois Corporation hereinafter referred to as "Company", its successors and assigns, the right and easement to construct, operate, patrol and maintain its communication lines including the necessary underground cables, wires, conduits, splicing boxes, surface terminals, markers and appurtenances upon, under and across the land hereinafter specifically described which said land is included in the public highway, to form a part of a communication system to be owned by the said Company in LaSalle County, Illinois, to other lands and structures located beyond the land hereinafter described, and with the right of access to the said land hereinafter described. Company shall agree to repair any damage caused to property of this Corporation by the construction, reconstruction, operation, patrolling, maintenance, renewal or removal of said telephone communications cable, and to indemnify the University and its representatives and tenants from liability in connection with its activities; the term of said easement to be for such period as the easement may be used for the above-described purposes, but upon the discontinuation of use of or abandonment of said telephone communications cable, said easement to thereupon cease and determine without necessity of re-entry or demand; the rights and easement granted to be limited to the extent that this public corporation has the present right and capacity to grant the same. The right-of-way easement shall be over the following-described property:

Situated in the State of Illinois, the County of LaSalle, and only on the road right-of-way bordering lands described as follows:

On road right-of-way bordering on the West side of the Northwest Quarter (NW ¼) and the North One-half (N ½) of the Southwest Quarter (SW ¼) of Section 27, Township 34 North, Range 2 East of the Third Principal Meridian (3rd P.M.).

On motion of Mr. Swain, this resolution was adopted. Mr. Hughes asked to be recorded as not voting.

LEASE OF SPACE IN ILLINI TOWERS, CHAMPAIGN

(21) The Director of the Physical Plant, the Vice-President and Comptroller, and the Executive Vice-President and Provost recommend that the Board request the University of Illinois Foundation to lease the second and third floors of the Illini Towers Residence Hall project (located at Fifth and Chalmers Streets, Champaign) at an annual rate of \$26,500 per floor (or \$53,000 for both). The lease would be for the period extending to June 30, 1971, with an option to renew until 1975 at an annual rate of \$60,000 for both floors per year, plus an adjustment of not more than \$1,000 for possible real estate tax increases. The Foundation would sublease this space to the University at the rate indicated on a biennial basis. The third floor will be available for occupancy on or about January 1, 1967, and the second floor will be ready for occupancy by the University on or about September 1, 1967. Rental payments will start at the time possession is delivered to the University.

This space, which is under construction, will be completed by the owner in accordance with University requirements for office space. After completion, it will be used by the Office of International Programs, the Office of the Campus Director for programs supported by the Agency for International Development, the Office of the University Dean of Admissions and Records, and other University offices.

Funds for rental and operation until June 30, 1967, are available in the Physical Plant budget from funds which were previously appropriated for the operation of new buildings, but which are not needed because of delays in completing schedules. Funds required thereafter will be requested in the budget of the Physical Plant Department on an annual basis.

I concur.

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

LICENSING AGREEMENT, DISCOVERY BY DR. SOL SPIEGELMAN

(22) The Board of Trustees, in approving the transfer to the University of Illinois Foundation of a discovery by Dr. Sol Spiegelman, Professor of Microbiology, has requested that any licensing agreements be approved by the University Board of Trustees. (The discovery is commonly described as "Virus-Induced Replicase Systems.")

The Foundation has now proposed that Eli Lilly and Company of Indianapolis, Indiana, be given an option to obtain an exclusive license. The option will extend for three years, with the right to extend this period for an additional year. The license will be limited to a period of three years from the time any product which Lilly may develop as a result of the discovery is placed on the market. The license will extend to the United States and certain foreign countries.

In return for this option, Eli Lilly agrees to make a down payment which will cover the costs of filing specified foreign patent applications and, in addition, a monthly payment so long as the option is in effect.

Dr. Spiegelman is in agreement with this arrangement. The Vice-President and Comptroller recommends approval of the proposal.

I concur.

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

PURCHASES

(23) The President submitted, with his concurrence, a list of purchases recommended by the Director of Purchases and the Vice-President and Comptroller; also a list of purchases authorized by the President's Office.

The lists of purchases authorized and purchases recommended for Board approval were presented in two categories: purchases from appropriated funds (i.e., from state appropriations to the University) and purchases from institutional funds. The latter term designates funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, funds from foundation grants, and grants from corporations and other donors, and University revolving funds authorized by law.

The total amounts of these purchases were:

From Appropriated Funds

Purchases Recommended.....	\$113 225 59
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From Institutional Funds

Purchases Authorized.....	46 121 81
Purchases Recommended.....	319 043 08
	\$365 164 89

<i>Grand Total</i>	\$478 390 48
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A complete list of the purchases authorized and purchases recommended, with supporting information, including the quotations received, was sent to each member of the Board in advance of the meeting, and a copy is being filed with the Secretary of the Board for record.

On motion of Mr. Johnston, the purchases authorized by the President's Office were approved, and the purchases recommended were authorized.

COMPTROLLER'S REPORT OF PURCHASES APPROVED

(24) The Vice-President and Comptroller also submitted a report of purchases approved by him on recommendation of the Director of Purchases in amounts of \$2,500 to \$5,000. A copy of this report is filed with the Secretary of the Board.

This report was received for record.

COMPTROLLER'S REPORT OF CONTRACTS

(25) The Comptroller's report of contracts executed during the period September 1 to 30, 1966.

New Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
State of Illinois Department of Mental Health 17-277	Legal standards and procedures regulating civil and criminal commitment and release in Sweden, Denmark, and the United States	\$ 8 223 00
Syracuse University Research Corporation SURC 66124	Investigative studies for plasma discharge display devices	19 687 00

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
United States Air Force		
AF 19(628)-5167	Exploratory research and development program on broadband isotropic antenna systems	\$ 39 248 00
Subcontract with Massachusetts Institute of Technology 341		
AF-AFOSR-714-67	Interface and bulk phenomena in solid state science	198 645 00
F11602-67-C-0119	"On-base" instructions to Air Force personnel at Chanute Air Force Base	15 000 00
F30602-67-C-0006	Millimeter and submillimeter receiver techniques	30 000 00
United States Army	Syntheses reactions, and structures of certain sulfur-nitrogen compounds	16 050 00
DA-ARO-D-31-124-G719		
United States Navy	Navy R.O.T.C. program	93 500 00
N00600-67-D-0077		
Total		\$420 353 00

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
Tee-Pak Foundation	Various types of films as retardants to deterioration of meats and meat products	\$ 4 300 00
United States Agency for International Development AID/csd-1432	Malaria immunity and vaccination	415 000 00
United States Air Force		
AF 01(600)-5003	Tuition contract for Air Force students	3 655 00
AF 04(694)-796	Closure study	20 000 00
AF 33(615)-3216	Broadband and millimeter antenna techniques	100 000 00
United States Army	Fundamental research in chemistry	16 438 00
DA-ARO-D-31-124-G719		
United States Navy	Mechanics of fracture of members subjected to multiple loadings	20 000 00
N00025-67-C-0004-P001		
Total		\$579 393 00

Contract Change Orders

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>
George S. Grimmett & Company	Cost-plus contract — plastering (two items, \$8,300 and \$4,000)	Young Women's Christian Association \$ 12 300 00
Healy Plumbing and Heating Company	Electrical work	East Chemistry Building 2 990 00
Reliable Plumbing and Heating Company	Plumbing	East Chemistry Building 6 195 00
Total		\$ 21 485 00

Summary

Amount to be paid to the University.....	\$999 746 00
Amount to be paid by the University.....	21 485 00

This report was received for record.

INVESTMENT REPORT

Report of the Finance Committee

(26) The Finance Committee reported the following changes in investments of endowment funds for the month of August, 1966:

Pool

Purchase

\$5 000 U.S. Treasury $4\frac{1}{8}$ per cent bonds due 2/15/74..... \$ 4 646 88

Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, which he has been authorized to make, for the month of August, 1966:

Current Funds

RESTRICTED GROUP

Purchase

\$1 000 000	Commercial Credit notes due 6/28/66.....	\$998 208 33
250 000	International Harvester Credit notes due 9/15/66.....	248 398 44
750 000	Commercial Credit notes due 10/14/66.....	741 796 87

Construction Funds

CHICAGO CIRCLE UNION (Chicago Circle)

Purchase

\$10 000	U.S. Treasury bills due 1/5/67.....	9 803 18
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FLORIDA AVENUE RESIDENCE HALL

Sale

\$325 000	U.S. Treasury 4 per cent notes due 8/15/66.....	324 898 44
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Purchase

\$525 000	U.S. Treasury bills due 10/10/66.....	520 445 33
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GRADUATE HOUSING

Purchase

\$267 000	U.S. Treasury bills due 9/22/66.....	265 837 07
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MEDICAL CENTER UNION AND RESIDENCE HALL (Medical Center)

Purchase

\$564 000	U.S. Treasury bills due 10/27/66.....	557 443 50
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REVENUE BONDS OF 1963 AUXILIARY (Chicago Circle)

Purchase

\$350 000	U.S. Treasury bills due 5/31/66.....	348 900 42
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Sinking Funds

ASSEMBLY HALL

Purchase

\$150 000	U.S. Treasury 4 $\frac{7}{8}$ per cent notes due 8/15/67.....	149 625 00
17 000	U.S. Treasury 4 $\frac{7}{8}$ per cent notes due 11/15/67.....	16 861 88

FLORIDA AVENUE RESIDENCE HALL

Purchase

\$198 000	U.S. Treasury bills due 9/15/66.....	197 275 38
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HOUSING REVENUE BONDS

Purchase

\$843 000	U.S. Treasury bills due 9/15/66.....	839 914 86
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ILLINI UNION AND HEALTH CENTER

Exchange

\$220 000	U.S. Treasury 4 per cent notes due 8/15/66 for	
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220 000	U.S. Treasury 5 $\frac{1}{4}$ per cent CI due 8/15/67.	
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Purchase

\$ 65 000	U.S. Treasury bills due 9/15/66.....	64 756 72
20 000	U.S. Treasury bills due 2/28/67.....	19 480 33
90 000	U.S. Treasury 4 $\frac{7}{8}$ per cent notes due 8/15/67.....	89 775 00
202 000	U.S. Treasury 4 $\frac{7}{8}$ per cent notes due 11/15/67.....	201 431 88

MEN'S RESIDENCE HALLS OF 1957

Sale

\$7 000	U.S. Treasury bills due 9/15/66.....	6 983 21
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Exchange

\$9 000	U.S. Treasury 4 per cent notes due 8/15/66 for	
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9 000	U.S. Treasury 5 $\frac{1}{4}$ per cent notes due 5/15/71.	
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Purchase

\$70 000	U.S. Treasury bills due 9/15/66.....	69 784 75
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REVENUE BONDS OF 1956

Exchange

\$31 000	U.S. Treasury 4 per cent notes due 8/15/66 for	
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31 000	U.S. Treasury 5 $\frac{1}{4}$ per cent notes due 5/15/71.	
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Purchase

\$47 000	U.S. Treasury bills due 9/15/66.....	46 827 99
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STUDENT SERVICES BUILDING**Purchase**

\$42 000 U.S. Treasury bills due 9/15/66..... \$ 41 780 85
 3 000 U.S. Treasury 3¼ per cent bonds due 8/15/68..... 2 978 78

WOMEN'S RESIDENCE HALLS OF 1956**Exchange**

\$21 000 U.S. Treasury 4 per cent notes due 8/15/66 for
 21 000 U.S. Treasury 5¼ per cent notes due 5/15/71.

Purchase

\$139 000 U.S. Treasury bills due 9/15/66..... 138 462 24

This report was received for record.

ANTITRUST LITIGATION

(27) On October 7, 1964, suit was filed on behalf of the University in the Federal District Court in Chicago (Case No. 64C 1708) against certain manufacturers of metal library shelving who had been defendants in an earlier federal antitrust proceeding. On May 19, 1965, the Board authorized settlement with one of the defendants.

Settlement negotiations have been proceeding with certain other defendants and a settlement offer has been received from three defendants (Globe-Wernicke Industries, Inc., W. R. Ames Co., and Hamilton Manufacturing Company) in the total amount of \$32,000, representing approximately 25 per cent of the University's purchases from that group during the period in question. The offer to the University is contingent upon acceptance of similar settlement offers made by these defendants to certain state governments (including Illinois) and other educational institutions. The Vice-President and Comptroller and the Legal Counsel regard the offer in settlement as reasonable and recommend it be approved and authorized by the Board. They further recommend that the Comptroller and the Secretary be authorized to execute and deliver such documents and papers as may be necessary and desirable to effectuate the settlement.

I concur.

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

PROPOSED CONSTRUCTION OF THE OAKLEY DAM

(28) The Committee on Buildings and Grounds of the Board of Trustees of the University has given serious consideration to the proposal by the Corps of Engineers to construct a dam at Oakley sufficiently high to provide a permanent pool of water at the 636 foot level. Considerable analysis has been provided by the administration and staff. The concern throughout the discussions has been to assess the effect of this proposal on Robert Allerton Park and Allerton Farms and to measure carefully the Board's dual responsibilities to a significant area of teaching and research and to a question of broad public policy.

The University, in accepting the gift from Mr. Robert Allerton, did so with the intention of maintaining and preserving the woodland property for educational and research purposes, as well as for a public park. With this assurance of continuity, seven faculty members developed research programs in the Park. Two of these staff members have scientific data extending over twenty years. Some twenty-one courses in six different departments (and involving several hundred students) require field trips to the Park for teaching purposes. Graduate students have used the area for research projects for advanced degrees. For instance, fifteen students have earned Master of Science degrees by research in one of the twenty-year projects mentioned above.

The proposed pool will result in the flooding of approximately 600 acres of the woodland area, plus an additional 200 acres that might be flooded during periods of high water levels. Removing this acreage from the Park area will discourage any further serious interest of biologists in the Park and terminate research projects which have been based upon past studies. There is no way to replace the areas for such studies because of the lack of prior statistics.

In addition, the permanent or conservation pool may come to within two to four feet of the road surface from Monticello to the Allerton House. The road would have to be raised and rebuilt. The flood pool elevation proposed at 654 feet will place the bridge crossing the Sangamon River in Allerton Park eleven feet

under water. Some 123 acres of the Allerton Farms will have to be sold. It is possible that the out-flow of the Farms' tile drains may be affected by the new levels, which would cause additional damage to crop production. There is also a tract of approximately 150 acres which was deeded to the University and which is used as forestry area. At least 90 per cent of this tract will be covered by the new levels of the Oakley Dam and Reservoir. All of these physical alterations are items for which the University can be, and it is assumed will be, reimbursed.

At the same time, the Trustees understand the importance of improving the water supply for Decatur. They realize, also, the importance of providing additional recreational areas in Illinois. These purposes are matters of broad public concern, and public property is involved. Therefore, while the Trustees feel their responsibility to state clearly the damaging effects of the proposed construction upon the University's programs, they do not believe that they are in a position to insist that the University's special interests should prevail over the wider public interests involved. It is indeed regrettable that an engineering solution to the problem could not have been found, in order to avoid the destruction of the University's valuable educational facility at Robert Allerton Park, while at the same time providing the benefits sought for the general public.

On motion of Mr. Pogue, this report was accepted and approved as a statement of position.

REPORTS AND RECOMMENDATIONS FROM THE PRESIDENT OF THE BOARD

FUTURE BOARD MEETINGS

President Clement called attention to the dates for the next three meetings of the Board to be held: November 10, 1966, in Urbana, and December 8, 1966, and January 12, 1967, in Chicago.

FINANCE COMMITTEE

The meeting of the Finance Committee previously called for October 27, 1966, in Chicago, was changed to November 9, 1966, in Urbana.

DEGREES CONFERRED IN SEPTEMBER AND OCTOBER, 1966

The Secretary presented for record the following lists of degrees conferred on candidates at the Medical Center on September 2, 1966, and on candidates at Urbana-Champaign on October 15, 1966, in accordance with the authorization of the Board.

Summary

Degrees Conferred at Urbana-Champaign

Graduate College

Doctor of Philosophy	219
Doctor of Education	26
Doctor of the Science of Law	1
Master of Arts	28
Master of Science	76
Master of Music	2
Master of Education	6
Master of Accounting Science	1
Master of Television	1
Master of Landscape Architecture	1
Master of Urban Planning	1
Advanced Certificate	4
<i>Total, Graduate College</i>	<i>(366)</i>

College of Liberal Arts and Sciences

Bachelor of Arts	19
Bachelor of Science	9
<i>Total, College of Liberal Arts and Sciences</i>	<i>(28)</i>

College of Law	
Doctor of Law.....	2
College of Education	
Bachelor of Science.....	2
College of Commerce and Business Administration	
Bachelor of Science.....	8
College of Journalism and Communications	
Bachelor of Science.....	5
College of Fine and Applied Arts	
Bachelor of Fine Arts.....	2
Bachelor of Music.....	2
<i>Total, College of Fine and Applied Arts.....</i>	<i>(4)</i>
College of Physical Education	
Bachelor of Science.....	3
<i>Total, Degrees Conferred at Urbana-Champaign.....</i>	<i>418</i>
<i>Degrees Conferred at the Medical Center</i>	
College of Dentistry	
Bachelor of Science.....	64
Doctor of Dental Surgery.....	1
<i>Total, College of Dentistry.....</i>	<i>(65)</i>
College of Medicine	
Doctor of Medicine.....	8
Bachelor of Science in Medical Record Administration.....	1
<i>Total, College of Medicine.....</i>	<i>(9)</i>
College of Nursing	
Bachelor of Science.....	15
<i>Total, Degrees Conferred at the Medical Center.....</i>	<i>89</i>
<i>Total, Degrees Conferred at Urbana-Champaign and Medical Center.....</i>	<i>507</i>

Degrees Conferred at Urbana-Champaign

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Accountancy

LEWIS CLIFFORD BULLER, B.S., Indiana State Teachers College, 1958; M.S., 1962
 HARLEY MACON COURTNEY, B.B.A., Lamar State College of Technology, 1955;
 M.B.A., Texas A & M University, 1961

In Aeronautical and Astronautical Engineering

VERNON PARKER ROAN, JR., B.Aero.E., M.S.E., University of Florida, 1958, 1959

In Agricultural Economics

DAVID EDWARD MACCALLUM, B.Sc.Agr., University of Sydney, 1960; M.S., 1966

In Agricultural Engineering

ROSCOE LOUIS PERSHING, B.S., Purdue University, 1962; M.S., 1964

In Agronomy

JOHN HERBERT ANTHONY BUTLER, B.Sc.(Hons.), University of Tasmania, 1959
 PAUL SYLVESTER CAIN, B.S., M.S., Cornell University, 1953, 1956
 JUAN CARDENAS-GONZALEZ, B.S., M.S., Oklahoma State University, 1961, 1963
 SURJIT SINGH MALHOTRA, B.Sc., Panjab University, 1957; M.Sc., University of
 Toronto, 1963

In Animal Science

WILLIAM LOUIS ALSMEYER, B.S., M.S., University of Florida, 1956, 1957
 DAVID WILLIAM BULLOCK, B.Sc., University of Nottingham, 1960; M.Ag.Sci., Uni-
 versity of Reading, 1962
 MIKE KELLY, B.S., A.M., University of Missouri, 1955, 1956

In Biophysics

ROBERT MALCOLM MACLEOD, B.A., Kalamazoo College, 1957; M.S., 1962

In Botany

FONTAINE REEVES, JR., B.S., M.S., Tulane University, 1961, 1963

In Business

JAMES GERALD HUNT, B.S.M.E., Michigan Technological University, 1954; A.M., 1958

DONALD LEROY PERRY, B.S., M.S., Southern Illinois University, 1959, 1960

KATIE AVERY WHITE, B.S.C., M.S., North Carolina College, 1949, 1951

In Ceramic Engineering

ROBERT EUGENE FARRIS, B.S., M.S., University of Missouri School of Mines and Metallurgy, 1955, 1961

In Chemical Physics

GERALD IRWIN KERLEY, B.S., Ohio University, 1963

In Chemistry

CHARLES TAFT BAKER, B.A., Southern Illinois University, 1961; M.S., 1964

RAMON MURRAY BARNES, B.S., Oregon State University, 1962; A.M., Columbia University, 1963

WILLIAM ARTHUR BERNETT, B.S., Iowa State University, 1959

JAMES ALAN BONHAM, B.A., Southern Illinois University, 1962

MICHAEL THOMAS BOWERS, B.S., Gonzaga University, 1962; M.S., 1964

KERMIT LEE CARRAWAY, B.S., Mississippi State University, 1962

JOSEPH CLIFFORD CATLIN, B.S., University of Arizona, 1963

FU-MING CHEN, B.S., Tunghai University, 1960; M.S., 1964

DAVID WAYNE CUSHMAN, B.A., Wabash College, 1961

JOSEPH CHARLES DECK, B.S., Duquesne University, 1960; M.S., 1964

JOE DOUGLAS DRULINER, B.S., University of Arizona, 1962; M.S., 1964

RICHARD LEROY FISHER, B.S., Juniata College, 1961; M.S., 1964

EUGENE FREDERIC FRIEDMAN, B.S., B.A., Tulane University, 1961, 1961; M.S., 1963

DAVID WEBB HERLOCKER, A.B., Knox College, 1962; M.S., 1964

PING CHEONG HUANG, Grad., Sun Yat Sen University, 1957; M.S., Kansas State College of Pittsburg, 1963

GRAHAM LEADBETTER, B.Sc., University of Alberta, 1961

HAROLD EUGENE LEMAY, JR., B.S., Pacific Lutheran University, 1962; M.S., 1964

JOHN LOUIS MIESEL, B.S., University of Notre Dame, 1962

ROBERT YE FONG NING, B.S., Rochester Institute of Technology, 1963

OLIVER SEELY, JR., B.S., California Institute of Technology, 1961; M.S., 1963

LARRY MAX SEITZ, B.S., Kansas State University, 1962; M.S., 1965

ROGER ALTON SMITH, A.B., Drew University, 1963

JOSEPH ANTHONY STANKO, B.S., King's College, 1962

GEORGE CHUNG-CHI SU, A.B., Hope College, 1962; M.S., 1964

RICHARD SCIOR TREPTOW, B.A., Blackburn College, 1962; M.S., 1964

ROBERT LAWRENCE VOLD, B.S., University of California (Berkeley), 1963; M.S., 1965

VIRGIL WAYNE WEISS, B.S., University of Texas, 1962; M.S., 1964

KENNETH CHARLES WILLIAMS, B.S., Arkansas Agricultural and Mechanical College, 1961; M.S., University of Mississippi, 1963

In Civil Engineering

PETER CHRISTIAN BIRKEMOE, B.S.C.E., M.S.C.E., Purdue University, 1961, 1962

JOHN PARKINSON CANNON, B.S., Utah State University, 1961; S.M., Massachusetts Institute of Technology, 1962

RONALD WALTER DRUCKER, B.C.E., Cooper Union, 1962; M.S., 1964

GERMAN RUBEN GURFINKEL, Ing.Civil, Universidad de la Habana, 1954; M.S., 1957

WILLIAM CHARLES GUSTAFSON, B.S., Illinois Institute of Technology, 1959; M.S., 1960

DENNIS ROY LAGERQUIST, B.S., Kansas State University, 1963; M.S., 1964

ROBERT HOCQUARD LEICESTER, B.Eng., M.Eng.Sc., University of Western Australia, 1958, 1964

ROLF JOHAN LENSCHOW, Siviling, Technical University of Norway, 1954; M.S., 1965

WARD ROYCE MALISCH, B.S., M.S., 1961, 1963

DANIEL DORSEY MOSS III, B.S.C.E., Purdue University, 1949; M.S., 1960

MOHAMED ABDEL FATTAH TALHA, B.C.E., Ain Shams University, 1953; Diploma, Cairo University, 1957; M.S., 1962

RICHARD GEORGE VAUGHAN, B.S., M.S., University of New Mexico, 1958, 1961

WILLIAM AUSTIN WELSH, JR., B.S., Swarthmore College, 1961; M.S., 1964

ELMER WHITMAN WRIGHT, B.A.Sc., University of Toronto, 1944; M.S., 1962

In Communications

JAMES DAVID HENNES, A.B., University of Washington, 1955; M.S., Boston University, 1959

NORA CRUZ QUEBRAL, B.A., University of the Philippines, 1950; M.S., University of Wisconsin, 1957

JOHN ALBIN REGNELL, B.S., M.S., 1950, 1957

HENRY FRANK SCHULTE, A.B., McGill University, 1951; M.S., Columbia University, 1952

CYRIL EDWARD ZOERNER, JR., B.S., Illinois State University at Normal, 1958

In Dairy Science

BRUCE IRVING VELTMAN, B.S., M.S., Michigan State University, 1949; 1962

In Economics

THOMAS MICHAEL HAVRILESKY, B.S., M.A., Pennsylvania State University, 1960, 1963

WILLIAM LYNN HOLMES, B.S., M.S., 1963, 1964

JOHN WESLEY ROWE, JR., B.S., 1958; M.S., 1962

HARVEY SCHWARTZ, B.Com., M.A., University of Toronto, 1960, 1961

ROBERT FRANCIS SHANNON, B.S., College of the Holy Cross, 1954; M.B.A., University of Detroit, 1956

FRANKLIN BRADLEY SHERWOOD, B.A., M.A., University of Connecticut, 1957, 1959

In Education

DONALD LESTER ANGELL, B.S., Ithaca College, 1952; M.S., University of Oregon, 1961

ROBERT EDWARD COMLEY, B.S., M.S., State University of New York (Albany), 1955, 1957; M.S., 1963

HUBERT MONGAMELI DYASI, B.Sc., B.Ed., M.Ed., Rhodes University, 1956, 1958, 1961

HELEN LOUISE KUSTER FARR, A.B., Elmira College, 1944; A.M., Columbia University, 1946; Adv.Cert., 1959

ELAYNE JOYCE KAHN, A.B., Hunter College, 1959; M.Ed., Harvard University, 1962

ROBERT ANDREW KARABINUS, B.A., M.A., Ohio Wesleyan University, 1948, 1950

CAROL JO METSKER, B.Ed., Washburn University of Topeka, 1956; A.M., Colorado State College, 1960

GRAHAM ALFRED NUTHALL, B.A., M.A.(Hons.), University of New Zealand, 1959, 1962

BRUCE LEROY SANDBERG, B.A., Gustavus Adolphus College, 1951; M.A., Northwestern University, 1955

WILLIAM RAY SNYDER, B.S., University of Texas, 1959; Ed.M., 1962

ALAN LAWRENCE SOFFIN, A.B., A.M., 1952, 1953

MARY ANN STONE, A.B., Barnard College, 1958; M.A., Columbia University, 1960

PETER AUBREY TAYLOR, B.Sc., Dipl.Ed., B.A., M.A.(Hons.), Victoria University of Wellington, 1957, 1961, 1962, 1963

TAM THI DANG WEI, Licen., University of Geneva, 1955; Ed.M., 1958

In Electrical Engineering

GEORGE DEE CLARK, B.A., B.S., Rice University, 1960, 1961; M.S., University of Florida, 1962

GRAHAM LYMAN DUFF, B.Eng., McGill University, 1961; M.S., 1963

SIDNEY BRUCE FRANKLIN, B.S., Union College (New York), 1952; M.S., 1960

RICHARD LAWRENCE GONZALES, B.S.E.E., M.S.E.E., Bradley University, 1960, 1963

- EDWIN BERNARD HASSLER, JR., B.S., Northwestern University, 1961; M.S., 1962
 FRANK HENNING HIELSCHER, B.S.E.E., Drexel Institute of Technology, 1961; M.S.E.E., University of Denver, 1963
 TAKAHIKO KAMAE, B.S., M.S., Kyoto University, 1961, 1963
 VINCENT YU-SUN LUM, B.A.Sc., University of Toronto, 1960; M.S., University of Washington, 1961
 RALPH ALLAN MARLETT, B.S.E.E., M.S.E.E., Carnegie Institute of Technology, 1962, 1963
 HENRY MERKELO, B.S., M.S., 1960, 1962
 ANDREW RICHARD NEUREUTHER, B.S., M.S., 1963, 1964
 ROBERTO HILARION RAFAEL ROLDAN ALVAREZ, B.S., M.S., 1961, 1963
 GLENN HERBERT STUMPF, B.S., Pennsylvania State University, 1954; M.S., 1961
 IAN BRYCE THOMAS, B.E., B.Sc., University of Queensland, 1958, 1959; M.S., 1961
 ROBERT HARRY WILLSON, B.S., M.S., 1959, 1961
 YAO-TUNG YEN, B.S., National Taiwan University, 1959; M.S., 1963

In English

- RICHARD WELLS ALEXANDER, A.B., Emory University, 1956; A.M., Tulane University, 1961
 BEN ERIC DRAKE, A.B., Antioch College, 1956; A.M., University of Michigan, 1960
 GERALD ALDINE DUFF, B.A., Lamar State College of Technology, 1961; M.A., University of Arkansas, 1963
 PATRICK JOSEPH GALLACHER, A.B., A.M., University of Detroit, 1955, 1958
 CLAYTON EDWARD HUDNALL, A.B., Wheeling College, 1959; M.A., State University of Iowa, 1961
 DONALD WILLIAM MARKOS, B.S., Wisconsin State University (La Crosse), 1959; M.S., Mankato State College, 1960
 LEONARD NICK NEUFFELDT, Th.B., Mennonite Brethren Bible College, 1960; A.B., Waterloo University College, 1961; A.M., 1962
 WILLIAM JENNINGS POWERS, A.B., A.M., 1956, 1957
 ELLEN FRANCES SHIELDS, A.B., Chestnut Hill College, 1959; A.M., Villanova University, 1962
 SISTER MARY RICHARD BOO, B.A., College of St. Scholastica, 1951; A.M., St. Louis University, 1960
 WILLIAM WELLINGTON ENT SLIGHTS, B.A., Amherst College, 1961; M.A., Cornell University, 1962
 KENNETH JAMES SPENCLEY, B.Ed., University of Toledo, 1960; A.M., 1962
 MICHAEL JOSEPH SVOB, B.S., Illinois State University at Normal, 1959; A.M., 1962
 FREDERICK BOLTON WARNER, JR., B.A., M.A., University of Arkansas, 1957, 1962; LL.B., University of Colorado, 1959

In Entomology

- JOHN LEROY EATON, B.S., 1962

In Finance

- WILLIAM FREDERICK LANDSEA, B.S., M.S., 1961, 1964

In Food Science

- AHMAD HUSSAYN SAKR, B.S., M.S., American University of Beirut, 1959, 1961

In French

- FRANCIS CLAUDE VALETTE, B.A., Quincy College, 1959; A.M., 1961
 HELGA MARIA WOLIN, A.B., A.M., 1959, 1959

In Geography

- DIETER ROBERT ALTSCHUL, B.A., Harpur College, 1957; A.M., 1959
 WILLIAM OWEN BALDWIN, B.S., M.A., University of Georgia, 1951, 1954
 ROBERT LUDWIG KOEPKE, A.B., Southern Illinois University, 1958; A.M., 1961

In Geology

- JOHN ANTHONY CHERRY, B.E., University of Saskatchewan, 1962; M.S., University of California (Berkeley), 1964

In German

- CHARLOTTE LANG BRANCAFORTE, B.A., Denver University, 1958

In History

- CHARLES HUGH CLARK, A.B., Wheaton College, 1953; A.M., 1954
 JAMES RAYMOND HAWKES, B.S., A.M., 1959, 1960
 GLENN OSMOND NICHOLS, A.B., Franklin and Marshall College, 1961; A.M., 1963
 THOMAS BURTON RAINEY, JR., A.B., University of Florida, 1962; A.M., 1964
 PAUL LEWIS ROLEY, A.B., Illinois College, 1953; M.A., Northwestern University, 1958
 RICHARD ALLEN SWANSON, A.B., 1958; A.M., 1961

In Library Science

- DEWEY EUGENE CARROLL, A.B., University of Chattanooga, 1949; M.Lib., Emory University, 1955
 JOHN ANTHONY McCROSSAN, B.A., M.A., University of Minnesota, 1960, 1961
 MARY ELIZABETH STILLMAN, A.B., Wilson College, 1950; M.S., Drexel Institute of Technology, 1952

In Linguistics

- JAMES MAURICE FOSTER, B.S., A.M., 1962, 1963

In Mathematics

- DAVID ERVIN BLAIR, B.S., Beloit College, 1962; M.S., 1963
 CONSTANTINE ANASTASIOS KARIOTIS, Grad., National and Capodistrian University (Greece), 1955; M.S., DePaul University, 1961
 JOHN PENN MAYBERRY, B.S., M.S., 1961, 1963
 CHARLES EDWARD MORRIS, JR., B.S., Johnson C. Smith University, 1952; M.S., 1959
 PHILIP NEWCOMB NANZETTA, B.S., North Carolina State College of Agriculture and Engineering, 1962; M.S., 1963
 KARL KENNETH NORTON, B.S., Yale University, 1959; M.S., University of Chicago, 1961
 JOHN BRADSTREET WALSH, B.S., California Institute of Technology, 1960; A.M., 1962
 RAYMOND TZU-YAU YEH, B.S., A.M., 1961, 1963

In Mechanical Engineering

- JAMES LEE LAWRENCE BAKER III, B.S., M.S., Pennsylvania State University, 1952, 1960
 KALKUNTE KRISHNA PRASAD, B.E., University of Mysore, 1954

In Metallurgical Engineering

- DENES ISTVAN BARDOS, B.S., M.S., 1962, 1963
 WILLIAM THEODORE BECKER, B.S., M.S., 1957, 1960
 GEORGE MAH, B.S., M.S., 1960, 1962
 GURUMAKONDA RAMASAMIENGAR SRINIVASAN, B.Sc., B.Sc., University of Mysore, 1954, 1956; Diploma, Indian Institute of Science (Bangalore), 1959; M.S., Colorado School of Mines, 1961

In Microbiology

- ANTHONY ROLLAND KANEY, A.B., Wabash College, 1961

In Mining Engineering

- MAHMOOD BEG MIRZA, B.Sc., University of Panjab, 1950; B.Sc., University of Leeds, 1954; M.S., 1962
 JORGE LUIS QUIROS, B.S., M.S., 1952, 1954

In Musicology

- SVEN HOSTRUP HANSELL, B.F.A., University of Pennsylvania, 1956; A.M., Harvard University, 1958

In Nuclear Engineering

- BONG TAICK KOWN, B.S., Iowa State College, 1960; M.S., 1962

In Physical Education

- DAVID ELBERT CUNDIFF, B.S., Union University, 1960; M.S., 1961
 STEPHANUS FRANCOIS DU TOIT, B.A., B.A.Honours, M.A., University of the Orange Free State, 1956, 1959, 1963

PHYLLIS JO HILL, B.S., Oklahoma College for Women, 1950; M.A., Mills College, 1952

EDWARD LEE SLONIGER, B.S., State College (Slippery Rock), 1957; M.S., 1958

In Physics

WILLIAM RUSSELL ABEL, B.S., M.S., 1962, 1964

ROBERT JAY ABRAMS, B.S., Illinois Institute of Technology, 1959; M.S., 1961

EUGENE WILLIAM BEIER, B.S., Stanford University, 1961; M.S., 1963

JAMES LEROY BOETTLE, B.S., Lafayette College, 1958; M.S., 1959

KEITH LAMAR BROWER, A.B., Hope College, 1958; M.S., University of Minnesota, 1961

RONALD FRANCIS CALDWELL, B.S., Capital University, 1960; M.S., 1962

RONALD LOUIS CAPPELLETTI, B.S., Fairfield University, 1962; M.S., 1964

MICHAEL FAIMAN, B.A., Cambridge University, 1956; M.S., 1964

NILS CONARD FERNELIUS, A.B., Harvard College, 1956; M.S., 1959

ROBERT JERRY FREIBERG, B.S., Rensselaer Polytechnic Institute, 1961; M.S., 1963

JOHN ARVY GARDNER, JR., B.A., Rice University, 1961; M.S., 1963

JOHN HOOD LOWENSTEIN, A.B., Harvard College, 1962; M.S., 1963

WESLEY NORTHEY MATHEWS, JR., B.A., Miami University, 1958; M.S., 1959

RICHARD EVANS MISCHKE, B.S., University of Tennessee, 1961; M.S., 1962

JON ROLAND NANCE, B.S., University of Missouri School of Mines and Metallurgy, 1960; M.S., 1961

ROBERT FRANCIS PIERRET, B.S., Case Institute of Technology, 1962; M.S., 1963

THOMAS CLAYTON PIPER, B.S., M.S., 1959, 1960

MARTIN RAYL, B.S., Wayne State University, 1957; S.M., University of Chicago, 1958

WILLIAM RONALD ROACH, B.E.P., Cornell University, 1961; M.S., 1963

DAVID EDWIN RUNQUIST, B.S., Pennsylvania State University, 1961; M.S., 1962

RAYMOND JOSEPH SARWINSKI, B.S., M.S., 1960, 1961

KARL DEAN SWARTZ, B.S., Case Institute of Technology, 1961; M.S., 1963

WILLIAM PETER TROWER, A.B., University of California (Berkeley), 1957; M.S., 1963

DAVID STRAND WOLLAN, A.B., Amherst College, 1959; M.S., 1961

In Physiology

MELVIN JOHN BOSMA, A.B., Calvin College, 1960

RAPHAEL PETER GRUENER, A.B., University of California (Berkeley), 1961; M.S., 1963

ANGELO CHRISTOS NOTIDES, B.A., M.A., Hunter College, 1959, 1962

JERRY ROYCE REEL, B.A., Indiana State College, 1960; M.S., 1963

KAY SAAGER STORCH, B.S., Otterbein College, 1960; M.S., 1962

JOSEPH HENRY SZURSZEWSKI, B.S., Duquesne University, 1962; M.S., 1964

In Plant Pathology

FLORENDO CORNEL QUEBRAL, B.S., M.S., University of the Philippines, 1955, 1964

In Psychology

DAVID JOHN BARKER, B.A., Hofstra College, 1962; A.M., 1965

NEIL RICHARD CARLSON, A.B., A.M., 1964, 1966

DAVID LLOYD KOHFELD, B.A., Wheaton College, 1962; A.M., 1964

JOSEPH STEPHENS LAPPIN, A.B., University of Cincinnati, 1962

MARJORIE JEAN MARTINSON MARLIN, B.S., M.S., Purdue University, 1962, 1963

JEROME DONALD MAURATH, A.B., A.M., 1959, 1963

JOSEPHINE CECILIA NAIDOO, B.S., University of the Witwatersrand, 1953; B.S. (Hon.), University of South Africa, 1959; A.M., 1961

RICHARD HENRY PRICE, B.A., Lawrence College, 1962; A.M., 1965

STEVEN HENRY SCHWARTZ, B.S., City University of New York, 1961; A.M., 1965

IRVING PHILLIP UNIKEL, B.S., A.M., 1961, 1963

In Sociology

CHARLES WILLIAM DEAN, A.B., Asbury College, 1953; A.M., 1961

WARREN CLEMENT RAMSHAW, B.S., A.M., 1949, 1958

In Spanish

WILLIAM WHITNEY CRESSEY, B.A., Trinity College, 1961; A.M., 1962

In Speech

PHILLIPS RANDOLPH BIDDLE, B.S., Portland State College, 1961; A.M., 1963
 GENE HERBERT HOVEE, A.B., Northwest Nazarene College, 1951; B.D., Fuller Theological Seminary, 1954; A.M., University of Oregon, 1963
 BRUCE ARTHUR WEBER, B.A., Concordia College, 1959; M.S., Pennsylvania State University, 1961

In Theoretical and Applied Mechanics

GORDON WALTER BIGG, B.Sc., University of Alberta, 1961; M.S., 1964
 FRANK HAYES BRITTAIN, B.S., University of Colorado, 1960; M.S., 1961
 WILLIAM LAWRENCE FOURNEY, B.S., M.S., West Virginia University, 1962, 1963
 WILLIAM OLGA HARTSAW, B.S.E.E., M.S.E., Purdue University, 1946, 1953
 TOM MAX MULCAHY, B.S., M.S., 1961, 1963
 WILBERT WAYNE SIESENNOP, B.S., University of Missouri School of Mines and Metallurgy, 1961; M.S., 1963
 WILLIAM ALAN VAN DER SLUYS, B.S., Michigan College of Mining and Technology, 1961; M.S., 1963

In Veterinary Medical Science

RICHARD DAVID ANDREWS, A.B., Kearney State College, 1958; M.S., Iowa State University of Science and Technology, 1960
 JEROME LEROY MAHRT, B.S., M.S., Utah State University of Agricultural and Applied Science, 1960, 1963
 PREM PRAKASH, B.Sc., B.V.Sc. & A.H., M.V.Sc., Agra University, 1952, 1957, 1960; M.S., 1964
 HARRY AARON REYNOLDS, JR., A.B., Gettysburg College, 1952; V.M.D., University of Pennsylvania, 1956; M.S., 1963

In Zoology

NORMA JEAN JOHNSON, B.A., Northland College, 1957; M.S., Marquette University, 1960

Degree of Doctor of Education*In Education*

ERNEST FRANCIS ANDERSON, B.S., M.S., University of Tennessee, 1953, 1956
 FERRIS KEITH AUGER, B.S., Wisconsin State College, 1960; Ed.M., 1961
 THOMAS ELIOT BENNER, JR., B.S., Ed.M., 1950, 1954
 RICHARD DOYLE BIBERSTINE, B.S., Th.B., Olivet Nazarene College, 1952, 1954; B.D., Nazarene Theological Seminary, 1957; Ed.M., 1960
 GEORGE EDMUND BREHMAN, JR., B.S., M.S., Pennsylvania State University, 1950, 1952
 BRUCE DIXON CHENEY, B.S., Iowa State University of Science and Technology, 1954; M.S., University of Wisconsin, 1958
 DONALD ROGER DRAAYER, B.S., University of Minnesota, 1957; M.A., Western Michigan University, 1960
 PETER THOMAS GLOFKA, B.S., Pennsylvania State College (Mansfield), 1951; M.S., Saint Bonaventure University, 1960
 ROBERT EUGENE GRIFFIN, B.A., M.A., Michigan State University, 1955, 1956
 GLENN WARREN HAYES, B.S., Ed.M., 1961, 1963
 PHILIP ROBERT JONES, B.S., Illinois State University, 1956; Ed.M., 1961
 GERALD MILTON KNOWLES, B.S., A.M., Arizona State College, 1957, 1960
 FREDERICK ASHCROFT MACKINNON, B.A., B.Ed., M.Ed., University of Saskatchewan, 1932, 1945, 1950
 GREGORY PITTMAN MALTBY, B.S., M.S., Illinois State University at Normal, 1955, 1956
 FREDERICK ALEXANDER RODGERS, B.S., Fayetteville State College (North Carolina), 1960; Ed.M., 1962
 RICHARD KENNETH SCHWARTZ, A.B., William Jewell College, 1959; Ed.M., 1960
 VIRGINIA FAYE SHAFFER, B.S., Shurtleff College, 1950; M.A.Ed., Washington University, 1956
 JOHN ELMER TERWILLIGER, B.S., Ed.M., 1958, 1960

CARL ERIC THORNBLAD, B.S., M.S., Western Illinois University, 1955, 1960
 MARGARET GOEWY WEISER, B.S., Rutgers, The State University, 1943; M.S., Florida State University, 1959
 WILLIAM CHARLES WELLNER, A.B., Central College, 1950; M.A., State University of Iowa, 1957
 MARY FRANCIS YEAZELL, B.S., M.S., Southern Illinois University, 1953, 1955

In Music Education

JAMES MILTON BRINKMAN, B.S., Quincy College, 1957; M.S., 1960
 WILLIAM LEE JOHNSTON, B.S., Illinois State Normal University, 1946; M.S., 1948
 GRANT HOWARD NEWMAN, B.F.A., University of South Dakota, 1954; M.S., 1959
 ROBERT KARL WEBB, B.S., 1950; M.A., Northeast Missouri State Teachers College, 1955

Degree of Doctor of the Science of Law

DAN BYRON DOBBS, A.B., LL.B., University of Arkansas, 1956, 1956; LL.M., 1961

Degree of Master of Arts

In Art History

JAMES WILLIAM JORDAN, B.F.A., University of Texas, 1963; M.F.A., 1965

In Comparative Literature

APRIL IRENE APPELQUIST, A.B., 1963

In Economics

EDWARD MARTIN DI CICCIO, A.B., Northeastern University, 1960

In Education

THOMAS NELSON, B.A., Trenton State College, 1965

In History

HOMER HARRISON BLASS, B.A., University of Tulsa, 1962
 MICHAEL LAWRENCE DOCKRILL, B.Sc., University of London, 1961
 ROY EDWARD EKLAND, B.A., Reed College, 1965

In Home Economics

LAUREL RHEA SCHIFFER, A.B., 1965

In Labor and Industrial Relations

JAMES ROBERT BAVIS, A.B., Oberlin College, 1962
 MICHAEL CANNON STEWARD, B.A., Southern Illinois University, 1965

In Linguistics

CARL LEROY BAKER, A.B., Harvard College, 1961
 DOROTHY JEAN JAMES, B.S.Ed., Illinois State University, 1954
 MARTIN ALLEN MINOW, A.B., 1962

In Mathematics

MARTHA MARSH MCJUNKIN, B.A., Northwestern University, 1964
 THEODORE ROOSEVELT PORTIS, B.S., Alabama State College, 1955; M.S., 1960
 REBECCA LOU TUCKER, A.B., Kansas State University of Agriculture and Applied Science, 1964

In Philosophy

STEPHEN ALLAN PARRETT, B.S., 1964

In Political Science

SONDRA KAY FEAR, B.S., Eastern Illinois University, 1964
 ARTHUR ELLIOTT HARRISON, A.B., 1964
 JOAN ELAINE KERNS, A.B., Wheaton College (Illinois), 1961

In Psychology

HOWARD JOHN BIRKY, A.B., Bethel College (Kansas), 1963
 SANTOSH JUNEJA HAIDER, B.A., M.A., University of Baroda, 1958, 1960

ELLEN NANCY LITT, A.B., Cornell University, 1964
 SANDRA SERENA SMILEY, A.B., Whittier College, 1964
 PATRICK ALAN TYLER, B.A. (Honours), University of London, 1962

In Russian

ROXOLANA MARIA BURACZYNSKA, A.B., 1964
 JACK ARTHUR SCHILLINGER, A.B., Monmouth College, 1963

In Speech

MICHAEL HARRY MOTTLE, B.A., Columbia Union College, 1962

Degree of Master of Science

In Accountancy

JOHN KARL DICKASON, B.B.A., University of Cincinnati, 1958

In Advertising

RICHARD DANIEL ARROYO, B.S., Eastern Illinois University, 1964
 DAVID SHELDON BARENBERG, B.A., Western Michigan University, 1965
 IAN CURTIS BOWERS, B.S., 1965
 ALLEN JOSEPH LARSON, B.S., 1961
 PATRICIA ROE MORTON, B.S., 1965
 JOHN WILLIAM SCOTT, JR., A.B.J., University of Georgia, 1964

In Aeronautical and Astronautical Engineering

THOMAS EWING EDWARDS, B.S., Mississippi State University, 1964
 GARY LEE VIETH, B.S., 1965

In Agricultural Economics

RICHARD ARTHUR BENSON, B.S., 1965
 THOMAS LARRY COLTMAN, B.Sc., Ohio State University, 1965
 ALLEN GLEN SMITH, B.S., 1943
 DONALD RAY SMUCKER, B.S., 1965

In Agricultural Engineering

JOHN WILLIAM LITHERLAND, B.S., 1965
 ARDEN OSCAR WEISS, B.S., 1961

In Agronomy

CHUSAK CHAVENGSAKSONGKRAM, B.S., North Carolina State College of Agriculture and Engineering, 1961
 KENNETH CLARENCE WREDE, B.S., 1964

In Astronomy

JAMES PATRICK MCGUIRE, B.S., University of Wisconsin, 1962

In Chemical Engineering

LESLIE MITCHELL BLAIR, B.S., Pennsylvania State University, 1964
 JOHN RICHARD KRASKA, B.S., University of Minnesota, 1964
 DONALD THAL SMITH, B.S.Ch.E., Purdue University, 1964

In Chemistry

SUSAN KENWORTHY SMITH, A.B., Drew University, 1963

In Civil Engineering

PETER CLAUS KOHNKE, B.S.C.E., Purdue University, 1963
 ROBERT JOSEPH ZACK, B.S.C.E., Ohio University, 1964

In Dairy Science

JOSEPH PAUL HEGMANN, B.S., 1962
 JOHN MORRIS WEAVER, B.S., New Mexico State University, 1965

In Electrical Engineering

LARRY CARL ALLEN, B.E.S., Brigham Young University, 1965
 LALIT RAI BAHL, B.Tech.(Hons.), Indian Institute of Technology (Kharagpur), 1964

BRUCE WATTS BEVAN, B.S., University of Idaho, 1965
 ERNEST BRUCE BOGUSCH, B.S., 1965
 DENNIS ALAN CHRISTENSON, B.S.E.E., Iowa State University of Science and Technology, 1965
 FRED HOWARD HARRIS, B.S., Northwestern University, 1965
 DAVID GORDON MEDILL, B.S., University of Arizona, 1965
 GEORGE EMORY PERRINE, B.S., University of Akron, 1965
 RICHARD ALLEN RUNQUIST, B.S.(E.E.), B.S.(M.E.), 1965, 1965
 JOHN PETER SALCIUS, B.S., 1966
 LAVERNE ARTHUR SCHLIE, B.S., 1965
 RAYMOND WILLIAM STOLTEY, JR., B.S., 1965
 ROGER WALTER UHLHORN, B.S., 1965
 DOUGLAS KENNETH WAINEO, B.S.E.E., Wayne State University, 1964

In Finance

JAMES GUNNAR ROSELAND, B.S., St. Joseph's College, 1965

In Food Science

MICHAEL GRAHAM JOHNSON, B.S., 1964

In Geology

JAMES EDWIN SOUTER, B.S., Southern State College, 1960

In Home Economics

MARIAN LOUISE BUCH, B.S., 1965
 ELIZABETH MARIE SCHMITT, B.S., Framingham State College, 1955

In Horticulture

STANLEY WAYNE BINNIE, B.S., 1965
 JAMES DELBERT FISHER, B.S., Ohio State University, 1964

In Library Science

JOHN WILLIAM BEECHER, B.S., 1964
 MARTHA JO MARR PRING, B.S., Southwest Missouri State College, 1960

In Management

RALPH WALDO CALLENDER, A.B., Syracuse University, 1930

In Marketing

SAMUEL MABRY GILLESPIE, B.S., 1956

In Mathematics

TAPAS MAZUMDAR, M.S., University of Calcutta, 1957; Diploma, Imperial College of Science and Technology, 1963
 ROBERT REA PULLING, B.S., California Institute of Technology, 1949; University of Southern California, 1952

In Mechanical Engineering

THOMAS WAYNE DEGENHART, B.S., 1964
 LARRY DOUGLAS HOWLETT, B.S., 1965

In Metallurgical Engineering

JOHN MICHAEL BEDINGER, B.S.Met.E., Purdue University, 1965
 EDWARD JOHN EFSIC II, B.S., 1964

In Music Education

VALERIE JUNE DVORAK, B.M.E., Valparaiso University, 1964

In Physical Education

JURI VRZESNEVSKI DANIEL, B.P.H.E., B.A., University of Toronto, 1954, 1958
 LINDA BALTZELL CUNDIFF, B.S., Union University, 1961
 WILLIAM ARAM KACHADORIAN, B.S., Springfield College, 1965
 WILLIAM PODOLL, JR., B.S., Youngstown University, 1960

In Physics

MERLYN PAUL AUSTIN, B.S., University of Wisconsin, 1964

In Physiology

WINFRED DONALD MAGEE, B.S., Tougaloo College, 1960

PETER MICHAEL SPOONER, B.S., Bates College, 1964

In Plant Pathology

BRUCE LAWRENCE JOHNSON, B.S., 1964

In Radio and Television

JUNETTA BLYTHE KEMP GILLESPIE, A.B., Stanford University, 1952

SEONAI D WALTERS LAMB, B.A., University of Bristol, 1962; Dipl., University of Oxford, 1964

In the Teaching of Mathematics

WILLIAM CLARENCE ANDERSON, B.S., Northern Illinois University, 1962

HORACE SMITH, B.S., Mississippi Valley State College, 1961

In the Teaching of Physical Science

CECIL HENRY GRIFFITH, B.S., Eastern Illinois University, 1957

In Theoretical and Applied Mechanics

MOHAMMED HASSAN MOSTAFAVI REJALI, B.S., 1965

In Zoology

CAROL-ANN MANEN, A.B., Gettysburg College, 1964

MARIA CONSOLACION ROSALES RONQUILLO, B.S., University of the Philippines, 1950

MARGARET ESTERLY SCHELLING, B.S., 1964

ELISABETH ANN SMITH, A.B., Swarthmore College, 1964

Degree of Master of Music

JOHN ALLYN HOVERLAND, Mus.B., Oberlin College, 1965

WILLIAM RUSSELL SKIDMORE, B.Mus., 1963

Degree of Master of Education

GRACE GOULD BRANDT, A.B., Scripps College, 1962; A.M., 1965

NATHAN LOUIS COHEN, A.B., Brooklyn College, 1942

CARL THOMAS DESCH, B.S., Illinois State University, 1959

KATIEDELORIS WILLIAMS HARRISON, B.S., Tougaloo Southern Christian College, 1955

MARCIA ANN HEDIGER, A.B., A.M., 1959, 1961

HARRY LINCOLN MCGURK, B.S., Rose Polytechnic Institute, 1934

Degree of Master of Accounting Science

KARL FREDERICK SKOUSEN, B.S., Brigham Young University, 1965

Degree of Master of Television

PETER WATERMAN DUNCAN, B.A., Pennsylvania State University, 1960

Degree of Master of Landscape Architecture

JAMES WALTER POLLOCK, B.S., Pennsylvania State University, 1965

Degree of Master of Urban Planning

ROBERT LAWRENCE WEAVER, B.S., Northern Illinois University, 1962

Advanced Certificate*In Education*

MYRTL HOLLY DINGLEY HARADON, B.S., Drake University, 1953; Ed.M., 1958

RICHARD MORGAN LOWE, B.S., M.S., 1948, 1951

ROLLO DONN LUELL, B.S., University of Wisconsin, 1952; M.S.Ed., Wenona State College, 1964

EVELYN PEAVY, A.B., University of Kentucky, 1947; M.A., University of Chicago, 1949

COLLEGE OF LIBERAL ARTS AND SCIENCES**Degree of Bachelor of Arts***In Liberal Arts and Sciences*

ANDRA LESLEY ADDIS
 REGINA CONSTANCE FOG
 JEFFREY ALLAN GREENBERG
 MARLENE GREENBERG
 RICHARD IAN HABER
 ALAN ROBERT KASSIN
 NANCY CHARLENE MARLEY
 SUSAN DALE PENN

ROSEMARY ELIZABETH PETERNEL
 SANDRA ALICE PLACZEK
 JAMES BRUNO RISATTI, JR.
 DIANE SHIRLEE RZESZEWSKI
 ROBERT IRA WERTHEIMER
 SHARON ALOMA ZOGAS
 RICHARD ALGIE ZOLYNAS

In the Teaching of English

NANCY JEAN GADY
 ESTHER LIBBY GARTENKRAUT

CHRISTINE LOUISE JOHNSON

Degree of Bachelor of Science*In Liberal Arts and Sciences*

JOHN JAMES DELIMATA
 WILLIAM JOSEPH FEINBERG
 STEVEN LEE HEIMBURGER
 THEODORE MICHAEL HENDERSON

VICTORIA ANNE MEYERS
 ROBERT FRANKLIN PRICE
 STEPHEN WAYNE SAMET
 PATRICIA ANN WEAVER

In the Teaching of the Biological Sciences and General Science

JOAN MARGARET HANLON

COLLEGE OF LAW**Degree of Doctor of Law**

FREDERICK LEE BLANFORD, A.B., 1963

GARY NORBERT HOUDEK, B.S., Northwestern University, 1963

COLLEGE OF EDUCATION**Degree of Bachelor of Science***In Elementary Education*

FRANCES PAULSELL DeROUSSE

KAREN GRAVER, Honors

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**Degree of Bachelor of Science***In Accountancy*

ROGER DENNIS HAASE
 THOMAS WILLIAM LARKIN

THOMAS DALE RICHTER

In Finance

STEPHEN ANTHONY PYHRR

In Industrial Administration

GORDON LEE SHANKLAND

STEPHEN EDWARD THIEMS

In Marketing

RONALD JOHN BECKLEY

DONALD ROBERT MURPHY

COLLEGE OF JOURNALISM AND COMMUNICATIONS**Degree of Bachelor of Science***In Communications*

NANCY CAROL HOWALD
 KAREN SCHIEN MAY
 SARAHLOU McMURRY

JOSEPH PAUL THIEL
 JANET KATHLEEN WAGNER

COLLEGE OF FINE AND APPLIED ARTS**Degree of Bachelor of Fine Arts***In Industrial Design*

BERTIL THEODORE JOHNSON

WILLIAM EUGENE STUMPF

Degree of Bachelor of MusicDAVID HENRY CORRELL,
Highest Honors

WILLIAM ROBERT GERBER

COLLEGE OF PHYSICAL EDUCATION**Degree of Bachelor of Science***In Physical Education*RICHARD MICHAEL LEHMANN,
Honors

GLEN R. TRUGILLO

In Recreation

ALAN THOMAS SCHRAMM

*Degrees Conferred at the Medical Center***COLLEGE OF DENTISTRY****Degree of Bachelor of Science in Dentistry**

STEPHEN WOOD ALBERS
LEONARD EUGENE BEARE, JR.
FREDERICK DOUGLAS BEGEMAN
CHRISTIAN SVEN BERDY
JAMES BYRON BERKE
RONALD CARL BERQUIST
PAUL ROBERT BJORK
BRUCE PROCTOR BUCHANAN
DAVID ROBINSON BULLEN
RICHARD AARON CARLSON
LAWRENCE HOWARD COOPER
ALAN CARL ECKMAN
ROBERT ALVIN FAESSEL
RICHARD ELDRIDGE FRANCIS
DANIEL MICHAEL GIBBONS
JONATHAN GRANT HANSON
TERRY BURNELL HENERT
HAROLD ISENBERG
STEVEN CARTER IVES
PHILIP BRUNO JALOWIEC
JOHN ALLEN JANICKE
DENNIS LEE JOHNSON
KENNETH KASAI
DAVID ERWIN KEEKER
CHARLES ADAIR KOONZ,
High Honors
ARTHUR RAY KREMER
DARMON DOYLE KUNTZ
ANDA FARIDA LEGZDINS
SALVATOR PATRICK LIBERATI
STEPHEN EDWARD LINE
ARTHUR MAYER MARCUS
WAYNE WILLIAM MASON

PETER PAUL MENCONTI
GENE ELIOTT MENDELSON
ALLEN JACK MOSES
ELLIS JAY NEIBURGER
HOWARD EDWIN NELSON
RICHARD CLARENCE NELSON
GAYLORD DON NOREN
RICHARD WALTER OLSEN
RODNEY DUNCAN OWENS
THOMAS EDWARD PARRY
RICHARD THOMAS PERRY
RONALD GORDON PIROK
JOHN THOMAS POLACK
ROBERT JOHN RIGGS
GEORGE ROBERT RIVIERE
DANIEL MILTON SALZER
STUART SOLOMON SANDERS
JULIAN GEORGE SCHLESINGER
JACK ALVIN SHANNON
DAVID MICHAEL SILBERMAN
NATHAN MORRIS SIROTA
THOMAS JAMES SKIBA
PHILLIP PAUL SUKEL
DENNIS PATRICK SWEENEY
RUSSELL PAUL UMBRIGHT
DAVID FLOYD VAN ANROOY
LIONEL AUBREY WAISMAN
LANNY RICHARD WALKER
DANIEL JOSEPH WIATR
RICHARD RALPH WOHRLE
CHARLES ARTHUR WOERZ
GEORGE RAYMOND ZAGE, JR.

Degree of Doctor of Dental Surgery

DONALD EDWARD ISSELHARD

COLLEGE OF MEDICINE

Degree of Doctor of Medicine

MILTON JAMES COX
 NAHUM JOHANAN DUKER
 THOMAS PAUL FOERSTER
 IRWIN LAWRENCE GOLDEN

WILLIAM ANDREW GOODFELLOW
 MURRAY JOEL KRELSTEIN
 STEPHEN ISTVAN SIPOS
 GARY FRANK VELAT

SCHOOL OF ASSOCIATED MEDICAL SCIENCES

Degree of Bachelor of Science in Medical Record Administration

CAROL ONISKA LYONS

COLLEGE OF NURSING

Degree of Bachelor of Science in Nursing

BARBARA LYNNE BARTEL
 SALLY JEANETTE BROSZ
 RITA BOUTCHY JONES DIGGS
 KAREN LOUISE EARNEST, Honors
 MAUREEN LOU FRANK
 SANDRA LEE DAHLBERG GOA
 PAULINE JOYCE NELSON
 MELODIE ANN OLSON

MARY LYNNE PARSONS PERSCHKE
 MARY LOU PFLUM
 LUCILLE GERTRUDE PULCIANI
 BETTY LOU STUEBE
 LOIS MAE SWEARINGEN
 MONNA RUTH THOMPSON
 NANCY JOANNE WILSON

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; resignations, declinations, and cancellations; leaves of absence; cancellation of leave 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.)

- ABEL, WILLIAM R., Research Associate in Physics (C) (Urbana), one year from September 1, 1966, \$8,500 (9-1-66).
 AKCASU, ALAEDDIN, Visiting Professor of Pharmacology, College of Medicine, one year from September 1, 1966, \$12,500 (9-10-66).
 ALBRECHT, RONALD F., Assistant Professor of Anesthesiology, Department of Surgery, College of Medicine, $\frac{7}{10}$ time, one year from September 1, 1966, \$12,500 (8-24-66).
 ALLEN, JOHN W., Research Associate in the Bureau of Economic and Business Research (Urbana), one year from September 1, 1966, \$11,000 (9-14-66).
 ALLHANDS, JESSIE, Instructor in Mathematics (Urbana), academic year 1966-67, \$6,000 (8-30-66).
 ARDIS, MARK B., Consultant, with rank of Assistant Professor, in Psychology (Urbana), academic year 1966-67, without salary (9-10-66).
 ARLT, PHYLLIS, Instructor in Speech (Urbana), one year from September 1, 1966, \$9,700, supersedes (9-8-66).
 ARONSON, JOAB K., Assistant Professor of Chemistry (Chicago Circle), $\frac{2}{3}$ time, academic year 1966-67, \$4,900, supersedes (9-8-66).
 ASHENFELTER, JOHN W., Specialist in Education, in University High School (Urbana), academic year 1966-67, \$7,500 (9-20-66).
 BAGDALE, ALLEN D., Instructor in Pedodontics, College of Dentistry, $\frac{2}{5}$ time, one year from September 1, 1966, \$3,600, supersedes (7-5-66).
 BAIN, WILLIAM H., Instructor in Educational Administration, College of Education (Urbana), one year from September 1, 1966, \$9,200 (8-30-66).
 BAITTLE, BRAHM, Clinical Assistant Professor of Psychiatry, College of Medicine, $\frac{1}{4}$ time, one year from September 1, 1966, \$3,700 (8-11-66).
 BARNDT, MIRIAM W., Instructor in Music (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$3,300 (9-19-66).
 BEDNARSKI, THEODORE M., Research Associate in Chemistry (Urbana), one year from September 1, 1966, \$7,000 (9-10-66).

- BENSON, EDMUND W., Research Associate in Chemistry (Urbana), eleven months from October 1, 1966, \$6,600 a year, supersedes (9-20-66).
- BERG, CHARLES R., Assistant Professor of Dentistry and of Operative Dentistry, College of Dentistry, $\frac{4}{5}$ time, one year from September 1, 1966, \$8,600 (7-12-66).
- BEWLEY, LOIS M., Research Associate in the Library Research Center, Graduate School of Library Science (Urbana), one year from September 1, 1966, \$8,000 (8-4-66).
- BHASKARAN, MEEMPAT, Instructor in Mathematics (Urbana), academic year 1966-67, \$7,600 (8-24-66).
- BHATTACHARYA, ASHOK K., Research Associate in Electrical Engineering (Urbana), one year from September 1, 1966, \$7,800 (9-12-66).
- BINKLEY, STEPHEN B., Professor of Biochemistry, indefinite tenure from September 1, 1966, \$22,100; and Acting Head of the Department of Biochemistry, $\frac{1}{2}$ time, September 1, 1966, until further notice, \$600 a year additional; on leave of absence one-half time for one year from September 1, 1966, without pay (Medical Center), supersedes (8-26-66).
- BISHOP, DAVID H. L., Research Associate in Microbiology (Urbana), one year from September 1, 1966, \$7,500 (9-10-66).
- BISHOP, DOYLE W., Instructor in Recreation, $\frac{2}{3}$ time, \$5,000, and Instructor in Psychology, $\frac{1}{3}$ time, \$2,500 (Urbana), academic year 1966-67, total salary \$7,500, supersedes (9-19-66).
- BLEDSTEIN, BURTON J., Instructor in History (Chicago Circle), Winter and Spring quarters, 1967, \$9,000 a year (8-23-66).
- BLISS, LAWRENCE C., Professor of Botany (Urbana), indefinite tenure from September 1, 1966, \$14,100, supersedes (8-17-66).
- BLUE, H. DARRELL, Instructor in Radio and Television, College of Journalism and Communications (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$3,550 (8-12-66).
- BOHANNAN, MRS. LAURA, Associate Professor of Anthropology (Chicago Circle), academic year 1966-67, \$11,300, supersedes (9-10-66).
- BOTIAN, ALEXEY, Instructor in Fixed Partial Prosthodontics, College of Dentistry, one year from September 1, 1966, \$7,500 (9-16-66).
- BRAIDS, OLIN C., Research Associate in Soil Chemistry, Department of Agronomy (S) (Urbana), September 16, 1966-August 31, 1967, \$8,000 a year (8-29-66).
- BRANDABUR, AGNES, Instructor in English (Urbana), $\frac{2}{3}$ time, \$4,500, and Instructor in the Classics, $\frac{1}{3}$ time, \$2,250, academic year 1966-67, total salary \$6,750 (9-19-66).
- BRANDT, GARY W., Instructor in Veterinary Clinical Medicine (Urbana), $\frac{2}{3}$ time, one year from September 1, 1966, \$6,750 (8-4-66).
- BRENDTRO, LARRY, Assistant Professor of Special Education (Urbana), \$9,250, and in the Institute for Research on Exceptional Children, without salary, academic year 1966-67 (6-1-66).
- BROOKS, MARGO C., Instructor in Speech (Urbana), academic year 1966-67, \$6,000 (8-26-66).
- BROOKS, ROBERT D., Assistant Professor of Speech (Urbana), academic year 1966-67, \$9,300, supersedes (8-5-66).
- BROWER, CAROLYN J., Research Associate in Home Economics (C and S) (Urbana), $\frac{3}{4}$ time, Semester I 1966-67, \$2,250 (8-17-66).
- BROWN, RICHARD D., Instructor in Vocational and Technical Education (Urbana), $\frac{1}{4}$ time, academic year 1966-67, \$1,750 (9-10-66).
- BRYANT, ROBERT E., Assistant Professor of Dentistry, $\frac{9}{10}$ time, three months from September 16, 1966, \$9,360 a year, supersedes for the period only (8-11-66).
- BUNGE, CHARLES A., Research Associate in the Library Research Center, Graduate School of Library Science (Urbana), one year from September 1, 1966, \$7,800, supersedes (8-4-66).
- BUNGE, JOANNE C., Microanalyst in Chemistry (Urbana), $\frac{1}{2}$ time, one year from September 1, 1966, \$2,825 (8-8-66).
- BURCH, RICHARD D., Assistant Security Officer (Urbana), October 1, 1966-August 31, 1967, \$10,500 a year (9-15-66).
- BYRNE, ARCHIBALD J., Instructor in English (Chicago Circle), academic year 1966-67, \$8,400 (9-10-66).
- CALDWELL, CHARLEEN C., Program and Counseling Director, Union and Housing Division (Medical Center), one year from September 1, 1966, \$9,200, supersedes nonacademic appointment (8-24-66).

- CARLIN, JAMES W., Instructor in Electrical Engineering (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$4,000, supersedes (8-31-66).
- CARPENTER, MARGARET A., Assistant Professor of English (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$5,600 (8-23-66).
- CARSS, BRIAN W., Research Assistant Professor of Secondary and Continuing Education (Urbana), one year from September 1, 1966, \$13,250 (9-1-66).
- CASE, ROBERT L., Instructor in Physical Education for Men (Urbana), $\frac{3}{4}$ time, academic year 1966-67, \$4,950, supersedes (8-8-66).
- CHURCHWELL, CHARLES D., Assistant Circulation Librarian, with rank of Assistant Professor, in the Library (Urbana), one year from September 1, 1966, \$10,500, supersedes (8-24-66).
- COHEN, CLAUDE, Instructor in Systems Engineering and in the Computer Program (Chicago Circle), $\frac{2}{3}$ time, academic year 1966-67, \$4,000 (7-26-66).
- CONWAY, ANNE, Instructor in Anatomy, College of Medicine, academic year 1966-67, \$8,600, supersedes (9-1-66).
- COON, RICHARD F., Research Associate in Civil Engineering (Urbana), academic year 1966-67, \$6,300 (9-14-66).
- COPPLESON, MRS. JOAN, Instructor in History (Chicago Circle), academic year 1966-67, \$6,000 (9-10-66).
- CORONEOS, PAUL P., Assistant Commandant, $\frac{1}{10}$ time, July 1, 1966-August 31, 1967, \$600, and Assistant Professor of Military Science (Urbana), without salary, supersedes (7-26-66).
- CRANE, ROBERT M., Staff Associate in the Office of the Chancellor at Chicago Circle, $\frac{1}{2}$ time, one year from September 1, 1966, \$7,850, and Associate Professor of Education (Chicago Circle), $\frac{1}{2}$ time, indefinite tenure from September 1, 1966, \$7,850; total salary, \$15,700; supersedes (8-24-66).
- CRAWFORD, JAMES E., Assistant to Chief of Party and Adviser in Student Affairs at the Njala University College, Njala, Sierra Leone, under Contract USAID/Afr-293, for two years from August 20, 1966, \$9,900 a year (8-23-66).
- DAVIS, SAMUEL C., Assistant Dean of Men (Urbana), one year from September 1, 1966, \$7,500 (9-10-66).
- DAYTON, DANIEL F., Horticulture Consultant, Uttar Pradesh Agricultural University, Pant Nagar, India, for service under Contract USAID/nesa-150, from September 10, 1966, through October 28, 1966, \$15,400 a year; and Professor of Plant Breeding, Department of Horticulture, College of Agriculture and Agricultural Experiment Station, indefinite tenure from October 29, 1966, \$14,000 a year, supersedes (9-8-66).
- DE FRANCISCO ZEA, CARLOS, Instructor in German (Chicago Circle) $\frac{2}{3}$ time, academic year 1966-67, \$4,700 (9-8-66).
- DICKERMAN, MRS. LOIS H., Instructor in Biological Sciences (Chicago Circle), academic year 1966-67, \$5,450 (9-10-66).
- DiLIBERTO, MENNO, Instructor in Vocational and Technical Education (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$3,500 (9-19-66).
- DOCTOR, RONALD, Instructor in Educational Psychology, College of Education (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$3,500 (9-20-66).
- EISENBERG, ROBERT C., Research Associate in Dairy Science (S) (Urbana), one year from September 1, 1966, \$7,000 (8-29-66).
- ELLIS, MICHAEL J., Research Associate in Recreation and Municipal Park Administration and in Physical Education for Men, College of Physical Education (Urbana), nine months from September 1, 1966, without salary (8-31-66).
- ELLISTON, MICHAEL J., Lecturer in Art (Chicago), academic year 1966-67, \$7,000 (9-10-66).
- ENGLISH, LESTER L., Professor of Agricultural Entomology (Urbana), one year from September 1, 1966, without salary (7-6-66). (Dr. English is employed as an Entomologist at the Illinois Natural History Survey.)
- ERAUT, MICHAEL R., Visiting Assistant Professor of Special Education Project for Disadvantaged Students (Chicago Circle), nine months from September 16, 1966, \$9,000 (9-10-66).
- EYDE, DAVID B., Instructor in Anthropology (Urbana), academic year 1966-67, \$9,500 (7-19-66).
- FAGAN, JAMES E., Instructor in Art (Urbana), academic year 1966-67, \$7,000 (9-10-66).
- FARDY, PAUL S., Instructor in Physical Education for Men (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$3,618 (7-22-66).

- FIDEL, KENNETH, Instructor in Sociology (Chicago Circle), academic year 1966-67, \$8,600 (6-23-66).
- FLAHERTY, BERNARD J., Research Engineering in Electrical Engineering (C) (Urbana), one year from September 1, 1966, \$9,000 (9-19-66).
- FLANIGAN, THOMAS E., Instructor in Physical Education for Men, College of Physical Education (Urbana), $\frac{3}{4}$ time, \$4,050, and Instructor in Educational Placement, College of Education, $\frac{1}{4}$ time, \$1,350, academic year 1966-67, total salary \$5,400 (9-2-66).
- FODA, YEHIA HASSEN, Research Associate in Horticulture (Urbana), two months from July 1, 1966, \$1,100 (9-10-66).
- FOLSOM, ANGELA T., Consultant, with rank of Assistant Professor, in Psychology (Urbana), academic year 1966-67, without salary (9-10-66).
- FOREMAN, RONALD, Instructor in Pharmacy, College of Pharmacy, $\frac{3}{4}$ time, academic year 1966-67, \$5,350 (9-1-66).
- GAIN, BRIAN, Instructor in Theoretical and Applied Mechanics, Urbana, $\frac{1}{2}$ time, academic year 1966-67, \$2,900 (9-13-66).
- GANS, BENJAMIN, Assistant Professor of Oral and Maxillofacial Surgery, College of Dentistry, $\frac{2}{3}$ time, \$4,600, and Clinical Assistant Professor in the Department of Surgery, College of Medicine, without salary, one year from September 1, 1966 (8-23-66).
- GARDNER, DAVID M., Instructor in Marketing (Urbana), academic year 1966-67, \$10,000, supersedes (9-1-66).
- GEDO, JOHN E., Clinical Assistant Professor of Psychiatry, College of Medicine, $\frac{1}{4}$ time, one month from September 1, 1966, \$4,000 a year, and $\frac{35}{100}$ time, eleven months from October 1, 1966, \$6,000 a year, supersedes (8-23-66).
- GEIS, MICHAEL L., Instructor in Linguistics (Urbana), academic year 1966-67, \$8,600 (8-30-66).
- GEORGE, MARGARET Y., Director, NDEA Summer Institute, Department of History (Chicago Circle), June 16-August 31, 1966, \$2,400 (9-1-66).
- GEORGIOULIS, EVANGELOS A., Instructor in Medicine, College of Medicine, $\frac{1}{2}$ time, one year from September 1, 1966, \$6,250, supersedes (8-24-66).
- GILES, GEORGE C., JR., Assistant Professor of Education (Chicago Circle), and Director of Illinois Board of Higher Education Title I Teacher Education Project, ten months from September 1, 1966, \$9,500, supersedes (9-10-66).
- GNIESLAW, IDA, Instructor in Nursing, College of Nursing, academic year 1966-67, \$7,000 (8-23-66).
- GOBBEL, GERTRUDE G., Instructor in Child Development, Department of Home Economics (C) (Urbana), academic year 1966-67, \$7,200, supersedes (8-23-66).
- GREEN, ROGER J., Research Associate in the Bureau of Economic and Business Research (Urbana), $\frac{3}{4}$ time, one year from September 1, 1966, \$8,250 (9-15-66).
- GRUNAU, JOHN A., Research Associate in Microbiology (Urbana), eleven months from October 1, 1966, \$8,190 a year, supersedes (9-20-66).
- GUEVARA, WALTER, Instructor in Spanish (Chicago Circle), academic year 1966-67, \$6,500 (8-12-66).
- HAFER, GEORGE B., Instructor in the Department of Advertising (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$3,200 (8-26-66).
- HALL, MRS. JOANNA Z., Instructor in Physical Education for Women (Chicago Circle), academic year 1966-67, \$6,650 (7-27-66).
- HALL, MILLARD W., Instructor in Civil Engineering (C) (Urbana), Semester I 1966-67, \$3,600 (8-29-66).
- HALSTED, DAVID W., Clinical Counselor, with rank of Instructor, in the Student Counseling Service (Urbana), one year from September 1, 1966, \$10,500 (8-24-66).
- HANNAFORD, MRS. MARY M., Instructor in English (Chicago Circle), $\frac{2}{3}$ time, academic year 1966-67, \$4,200, supersedes (9-15-66).
- HARRIS, DONALD J., Assistant Professor of Economics (Urbana), academic year 1966-67, \$10,950, supersedes (9-10-66).
- HARRIS, MARVYN R., Assistant Professor of French (Urbana), academic year 1966-67, \$9,000, supersedes (9-20-66).
- HARTSOE, CHARLES E., Instructor in Recreation and Municipal Park Administration (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$5,000 (9-6-66).
- HEADINGTON, JOHN T., Assistant Professor of Pathology for an assignment on the Faculty of Medicine at the Chiangmai Hospital, Thailand, for service under

- Contract AID/fe-2, from August 1 through August 5, 1966, and from August 27, 1966, through August 23, 1968, \$17,750 a year (8-23-66). He will not be on appointment during August 6, 1966, through August 26, 1966.
- HEITNER, ROBERT R., Professor of German (Chicago Circle), indefinite tenure, and Acting Head of the Department, one year from September 1, 1966, academic year service basis, \$20,000 a year, supersedes (9-10-66).
- HEMP, PAUL E., Associate Professor of Vocational and Technical Education, College of Education (Urbana), indefinite tenure from September 1, 1966, twelve months' service basis, \$15,000 a year, supersedes (8-29-66). He will be on sabbatical leave of absence for six months beginning February 1, 1967, on full pay.
- HIGHTON, RONALD M., Instructor in Operative Dentistry, College of Dentistry, $\frac{3}{10}$ time, one year from September 1, 1966, \$2,400 (8-17-66).
- HOGDEN, ALLEN J., Associate Professor in the Library (Chicago Circle), indefinite tenure from September 1, 1966, \$13,100 a year, supersedes (9-24-66).
- HORWITZ, OLGA, Instructor in Oral Diagnosis, College of Dentistry, $\frac{1}{2}$ time, one year from September 1, 1966, \$4,700, supersedes (8-23-66).
- HUNERYAGER, S. G., Assistant Dean of Management and Acting Coordinator of Management (Urbana), one year from September 1, 1966, and Associate Professor of Management, on indefinite tenure from September 1, 1966, \$16,000 (9-7-66).
- JACKSON, AURORA P., Instructor in Medical Social Work, College of Medicine, one year from September 1, 1966, \$7,000 (8-23-66).
- JACKSON, DONALD D., Associate Director and Editor, University Press, with rank of Professor (Urbana), indefinite tenure from September 1, 1966, one year from September 1, 1966, \$18,000, supersedes (9-10-66).
- JAEGER, ROBERT T., Lecturer in Architecture (Chicago Circle), $\frac{1}{2}$ time, academic year 1966-67, \$4,750, supersedes (9-8-66).
- JENKINS, EDWARD S., Specialist in Education, in the University High School (Urbana), $\frac{1}{4}$ time, academic year 1966-67, \$2,025 (9-20-66).
- JORDEN, ROGER M., Research Associate in Civil Engineering (C) (Urbana), full time for Semester I, \$3,500, and $\frac{1}{2}$ time for Semester II, 1966-67, \$1,750, academic year service basis, total salary \$5,250, supersedes (8-31-66).
- JOYNER, ALAN E., JR., Research Associate in Dairy Science (Urbana), September 6, 1966-August 31, 1967, \$7,000 a year (9-15-66).
- KALENDA, LENORE, Instructor in Physical Education for Women (Chicago Circle), academic year 1966-67, \$6,950, supersedes (8-10-66).
- KAPLAN, WILLIAM M., Instructor in Music (Chicago Circle), academic year 1966-67, \$8,500 (9-8-66).
- KASNER, FRED, Instructor in Chemistry (Chicago Circle), $\frac{1}{2}$ time, academic year 1966-67, \$3,300 (9-1-66).
- KAUVAR, ELAINE, Instructor in English (Chicago Circle), $\frac{2}{3}$ time, academic year 1966-67, \$4,350 (9-6-66).
- KELLEY, JEAN L., Housing Coordinator for Women's Residence Halls (Urbana), one year from September 1, 1966, \$8,500 (9-1-66).
- KHURSHEED, ZIA-E, Instructor in Mathematics (Chicago Circle), academic year 1966-67, \$6,000 (9-10-66).
- KIRSTEIN, LAURETTE A., Coordinator of Foreign Students (Chicago Circle), $\frac{2}{3}$ time, one year from September 1, 1966, \$8,000, and Assistant Professor of English for Foreign Students (Chicago Circle), $\frac{1}{3}$ time, academic year 1966-67, \$3,300; total salary \$11,300; on leave of absence during Semester II, with full pay, supersedes (9-1-66).
- KLEHR, HAROLD, Director of Student Counseling Service (Chicago Circle), one year from September 1, 1966, \$17,000, and Professor of Psychology (Chicago Circle), without salary, indefinite tenure from September 1, 1966, supersedes (8-25-66).
- KNIGHTEN, CAROL S. M., Instructor in Mathematics (Chicago Circle), academic year 1966-67, \$8,200 (8-24-66).
- KOSHIRO, KAZUTOSHI, Research Associate in the Institute of Labor and Industrial Relations (Urbana), one year from September 1, 1966, \$7,600, supersedes (9-21-66).
- LANDOLT, ROBERT G., Research Associate in Chemistry (Urbana), one year from September 1, 1966, \$7,600 (9-12-66).

- LANG, ALVIN L., Soils Consultant at the Uttar Pradesh Agricultural University, Pant Nagar, Uttar Pradesh, India, for service under Contract USAID/nesa-150, beginning September 6, 1966, and continuing through December 5, 1966, \$14,960 a year (8-24-66).
- LANGDON, LOIS M., Assistant Specialist in Education, Department of Vocational and Technical Education (Urbana), one year from September 1, 1966, \$6,600 (9-10-66).
- LAPLANTE, MARGARET J., Counselor in the Student Counseling Service (Chicago Circle), one year from September 1, 1966, \$6,500 (9-1-66).
- LAPREVOTTE, GUY L., Visiting Assistant Professor of French (Urbana), academic year 1966-67, \$9,000 (8-2-66).
- LAWRENCE, ALBERT G., Technical Associate in General Engineering (Urbana), one year from September 1, 1966, \$10,000 (9-10-66).
- LEE, SHUNG-WU, Research Associate in Electrical Engineering (C) (Urbana), one year from September 1, 1966, \$10,500 (9-8-66).
- LEKAN, EUGENE C., Associate Professor in the Department of Oral and Maxillo-facial Surgery, College of Dentistry, $\frac{1}{2}$ time, indefinite tenure from September 1, 1966, \$5,500, and Clinical Associate Professor in the Department of Surgery, College of Medicine, without salary, supersedes (9-1-66).
- LIMBACHER, PHILIP C., Assistant Commandant, $\frac{1}{10}$ time, July 1, 1966-August 31, 1967, \$600, and Assistant Professor of Air Force Aerospace Studies (Urbana), without salary, supersedes (7-26-66).
- LIMING, ORA N., Assistant Director, Campus Office of AID Projects (Urbana), September 6, 1966-August 31, 1967, \$17,600 (9-13-66).
- LIPMAN, VIVIAN, Assistant Professor of Psychology (Chicago Circle), $\frac{1}{2}$ time, \$4,750, and Assistant Dean of the College of Liberal Arts and Sciences (Chicago Circle), $\frac{1}{2}$ time, \$4,750, academic year 1966-67, total salary \$9,500, supersedes (8-23-66).
- LIU, CHIU FAN, Associate Professor of Chemistry (Chicago Circle), June 16-August 31, 1966, \$3,000 (9-8-66).
- LOZAR, CHARLES C., Instructor in Architecture (Urbana), academic year 1966-67, \$8,000 (8-5-66).
- LUSTY, BEVERLY, Assistant Professor of Speech (Chicago Circle), academic year 1966-67, \$8,400, supersedes (9-1-66).
- LYONS, EDMUND D., Extension Specialist, Conference Programs, Division of University Extension (Urbana), September 6, 1966-August 31, 1967, \$10,000 a year (9-8-66).
- MA, WEI-YI, Cataloger, with rank of Instructor, in the Special Languages Department of the Library (Urbana), September 16, 1966-August 31, 1967, \$6,800 a year (9-1-66).
- MACDONALD, HUGH F., Research Associate in Physics (C) (Urbana), October 16, 1966-August 31, 1967, \$8,700 a year, supersedes (9-20-66).
- MACPHERSON, LEONARD, Lecturer in Bioengineering, Department of Information Engineering (Chicago Circle), academic year 1966-67, without salary (8-12-66).
- MAJARAKIS, JAMES D., Clinical Associate Professor of Surgery, College of Medicine, $\frac{3}{10}$ time, September 1, 1966-June 30, 1967, \$3,000 a year (8-23-66).
- MALNICK, JOEL R., Instructor in Geography (Chicago Circle), academic year 1966-67, \$5,500 (8-10-66).
- MALTBY, GEORGE R., Cataloger, with rank of Instructor, in the Library (Urbana), $\frac{1}{2}$ time, one year from September 1, 1966, \$3,400 (8-29-66).
- MASLIN, MRS. ALICE A. VON LEHMEN, Research Associate in Veterinary Pathology and Hygiene (Urbana), one year from September 1, 1966, \$6,600 (8-22-66).
- MCGOVERN, MICHAEL B., Instructor in Physical Education (Chicago Circle), academic year 1966-67, \$5,200, plus overtime basis \$800, total salary \$6,000 (9-8-66).
- MEAD, WILLIAM R., Instructor in Psychology (Urbana), academic year 1966-67, \$9,000 (9-20-66).
- MEINTS, RALPH E., Instructor in Chemistry (Chicago Circle), $\frac{1}{2}$ time, academic year 1966-67, \$3,200 (9-15-66).
- MINTURN, LEIGH, Visiting Associate Professor of Psychology (Chicago Circle), academic year 1966-67, \$11,000 (9-8-66).
- MOPPER, K. WILLIAM, Instructor in Pedodontics, College of Dentistry, $\frac{3}{10}$ time, one year from September 1, 1966, \$2,400 (7-5-66).

- MORALES, MARTIN C., Instructor in Veterinary Physiology and Pharmacology (Urbana), $\frac{3}{4}$ time, August 16, 1966-August 31, 1967, \$7,822.58 (8-30-66).
- MORGAN, JOSEPH, Instructor in Pedodontics, College of Dentistry, $\frac{3}{10}$ time, one year from September 1, 1966, \$2,400 (7-5-66).
- MORRISON, NANCY A., Instructor in Social Work in the Jane Addams Graduate School of Social Work (Urbana), academic year 1966-67, \$8,250 (8-30-66).
- MULLER, PAUL, Instructor in Chemistry (Chicago Circle), academic year 1966-67, \$7,100 (8-10-66).
- MURATA, TADAO, Assistant Professor of Electrical Engineering (Chicago Circle), academic year 1966-67, \$9,000 (9-6-66).
- MYERS, VICTOR V., *Printing Expert at the Njala University College, Njala, Sierra Leone, for service under Contract USAID/Afr-293, October 1, 1966-March 31, 1967, \$16,000 a year (9-24-66).*
- NANCE, MRS. JEAN P., Research Associate in Secondary and Continuing Education (Urbana), $\frac{1}{2}$ time, one year from September 1, 1966, \$4,500 (9-20-66).
- NEALEY, MRS. VICKI G., Research Associate in Social Work in the Jane Addams Graduate School of Social Work (Urbana), $\frac{1}{2}$ time, October 1, 1966-August 31, 1967, \$4,100 a year (8-30-66).
- NEDELSKY, LEO, Research Associate in Teacher Education, College of Dentistry, $\frac{1}{4}$ time, one year from September 1, 1966, \$4,000 (9-6-66).
- NICHOLAS, WARWICK L., Visiting Professor of Zoology (Urbana), five months from September 1, 1966, \$11,800 a year (5-17-66).
- NICOLAS, GREGORIO, Research Associate in Plant Pathology (S) (Urbana), $\frac{4}{5}$ time, one year from September 1, 1966, \$3,000 (9-8-66).
- NISONOFF, ALFRED, Professor of Microbiology, College of Medicine, indefinite tenure from September 1, 1966, \$20,550, supersedes appointment at Urbana (9-1-66).
- NORMAN, WESLEY P., Instructor in Anatomy, College of Medicine, academic year 1966-67, \$8,600 (9-15-66).
- O'BRIEN, GORDON E., Research Associate in Psychology (Urbana), one year from September 1, 1966, \$10,000 (9-20-66).
- OGREN, WILLIAM L., Assistant Professor of Plant Physiology, Department of Agronomy (S) (Urbana), one year from September 1, 1966, without salary (8-1-66).
- ORDAL, Z. JOHN, Professor of Food Microbiology (C and S), $\frac{3}{4}$ time, indefinite tenure from September 1, 1966, and Assistant Director of the Agricultural Experiment Station, $\frac{1}{4}$ time (Urbana), one year from September 1, 1966, \$19,200, supersedes (9-10-66).
- OSBORN, JO-ANN, *Bibliographer, with rank of Instructor, in the Library (Urbana), September 15, 1966-August 31, 1967, \$6,600 a year (9-6-66).*
- OSCHWALD, WILLIAM R., Associate Professor of Soil Classification Extension in Agronomy (S and E) (Urbana), indefinite tenure from September 1, 1966, \$13,500 (9-21-66).
- PALMQUIST, DONALD L., Research Associate in Dairy Science (S) (Urbana), one year from September 1, 1966, \$7,350 (8-29-66).
- PAPAGEORGIOU, SOPHIE, Spectroscopist in Chemistry (Urbana), one year from September 1, 1966, \$5,650 (8-15-66).
- PARASKEVOPOULOS, I., Research Associate in the Office of the University Dean of Admissions and Records (Urbana), $\frac{1}{4}$ time, \$2,900, and Research Associate in the Institute for Research on Exceptional Children, $\frac{3}{4}$ time, \$7,200, one year from September 1, 1966, total salary \$10,100 (8-15-66).
- PARSONS, TERENCE D., Assistant Professor of Philosophy (Chicago Circle), academic year 1966-67, \$9,100, supersedes (8-23-66).
- PATACSIL, GREGORIO B., JR., Research Associate in Pediatrics, College of Medicine, $\frac{3}{5}$ time, July 1, 1966-August 31, 1967, \$2,400 a year, supersedes nonsalaried appointment (7-12-66).
- PERLMUTTER, MRS. SHIRLEY, Occupational Therapist in the Division of Services for Crippled Children, $\frac{9}{10}$ time, one year from September 1, 1966, \$4,890, and Instructor in Occupational Therapy, College of Medicine, one year from September 1, 1966, without salary, supersedes (9-15-66).
- PETERSEN, GOODWIN G., Instructor in Vocational and Technical Education (Urbana), $\frac{1}{2}$ time, academic year, 1966-67, \$3,500 (9-19-66).
- PHILLIPS, MARILYNN J., Assistant Specialist in Education (Urbana), one year from September 1, 1966, \$6,600 (9-19-66).

- PHILLIPS, RUBY J., Specialist in Education, in the Institute for Research on Exceptional Children (Urbana), academic year 1966-67, \$7,200 (8-26-66).
- POWERS, RICHARD J., Instructor in Medicine, College of Medicine, $\frac{4}{100}$ time, four months from September 1, 1966, \$275 a month (8-17-66).
- PRAIRIE, RICHARD L., Assistant Professor of Biochemistry (Urbana), academic year 1966-67, \$9,500 (8-29-66).
- PUNDT, MRS. SHIRLEY L., Lecturer in Architecture (Chicago Circle), $\frac{1}{2}$ time, Fall quarter 1966, \$375 a month (9-8-66).
- QUAY, MRS. LORENE C., Assistant Professor of Elementary Education (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$6,400 (8-24-66).
- QUESTIAUX, LILLIAN, Instructor in Chemistry (Chicago Circle), $\frac{1}{2}$ time, academic year 1966-67, \$3,250 (9-1-66).
- RADIOJEVIC, BRATISLAV, Research Associate in the Center for Zoonoses Research (Urbana), one year from September 1, 1966, \$7,500 (9-10-66).
- RATCLIFFE, ROBERT H., Assistant Professor of Education (Chicago Circle), academic year 1966-67, \$9,800, supersedes (7-21-66).
- RAYL, MARTIN, Research Associate in Physics (C) (Urbana), one year from September 1, 1966, \$8,500 (8-29-66).
- ROGERS, ELIZABETH P., Instructor in Inorganic Chemistry (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$3,750 (7-26-66).
- ROGERS, JOHN, Assistant Professor of Health Science and Staff Psychiatrist in the Health Service (Chicago Circle), $\frac{1}{2}$ time, one year from September 1, 1966, \$8,500, supersedes (9-1-66).
- ROSEN, CARL-GUSTAF, Research Associate in Chemistry (Urbana), one year from September 1, 1966, \$8,000 (8-29-66).
- ROSEN, ELLEN, Instructor in Psychology (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$3,500 (9-16-66).
- ROSSETTI, GUISEPPE P., Research Associate in Chemistry (Urbana), September 8, 1966-August 31, 1967, \$7,200 a year (8-29-66).
- RUBIN, LAURENCE H., Research Associate in the Cleft Palate Center, College of Dentistry, $\frac{3}{4}$ time, one year from September 1, 1966, \$6,300 (8-23-66).
- RUNGE, EDWARD C. A., Assistant Professor of Pedology, Department of Agronomy (C, S, and E) (Urbana), one year from September 1, 1966, \$12,400, supersedes (9-16-66).
- RYAN, HOLLIS F., Instructor in Electrical Engineering (C) (Urbana), one year from September 1, 1966, \$6,363.56, supersedes (9-1-66).
- SABET, TAWFIK Y., Associate Professor of Histology, College of Dentistry, indefinite tenure from January 1, 1967, \$15,600 a year (8-8-66).
- SAGER, WILLIAM F., Professor of Chemistry (Chicago Circle), $\frac{1}{2}$ time, Summer quarter, 1966, \$1,945 (8-26-66).
- SANDOR, BELA I., Research Associate and Instructor in Theoretical and Applied Mechanics (C) (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$4,000, supersedes (6-13-66).
- SAXENA, K. M. S., Research Associate in Plant Pathology (S) (Urbana), one year from September 1, 1966, \$6,600 (9-15-66).
- SCAVNICKY, GARY E. A., Instructor in Spanish (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$3,867 (8-11-66).
- SCHLEUNES, KARL, Assistant Professor of History (Chicago Circle), academic year 1966-67, \$8,450, supersedes (9-6-66).
- SCHUNK, JOHN F., Instructor in Speech (Urbana), academic year 1966-67, \$5,500 (8-26-66).
- SERAUSKAS, ROBERT V., Research Associate in Chemistry (Urbana), one year from September 1, 1966, \$6,900 (8-29-66).
- SHIMOMURA, YOSHIHARU, Research Associate in Physics (C) (Urbana), one year from September 1, 1966, \$9,000 (8-2-66).
- SHULMAN, HAROLD S., Assistant Professor of Psychology (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$5,000 (9-20-66).
- SIFFERD, CALVIN S., Coordinator in the Men's Residence Halls (Urbana), $\frac{1}{2}$ time, one year from September 1, 1966, \$4,000, supersedes (9-6-66).
- SILVERGLADE, LEE, Assistant Professor of Oral Pathology, College of Dentistry, $\frac{1}{2}$ time, one year from September 1, 1966, \$4,750, supersedes (8-11-66).
- SIMON, HAROLD A., Associate Professor of Energy Engineering (Chicago Circle), three months from June 15, 1966, \$3,666 (8-8-66).

- SINEATH, TIMOTHY W., Instructor in Library Science, Conference Programs, Division of University Extension (Urbana), $\frac{1}{2}$ time, one year from September 1, 1966, \$4,500 (9-15-66).
- SISKIND, MRS. CAROLINE C., Instructor in English (Chicago Circle), $\frac{2}{3}$ time, academic year 1966-67, \$3,750, supersedes (9-15-66).
- SKINNER, MRS. JOAN, Assistant Professor of Physical Education for Women (Urbana), academic year 1966-67, \$7,200 (5-26-66).
- SKLAN, BASIL, Instructor in Health Science and Staff Physician in the Health Service (Chicago Circle), $\frac{1}{2}$ time, academic year 1966-67, \$7,500 (7-26-66).
- SMITH, MRS. MARGARET A., Assistant Research Engineer in the Coordinated Science Laboratory (C) (Urbana), one year from September 1, 1966, \$6,700 (8-30-66).
- SMITH, WILLIAM L., Instructor in Prosthodontics, College of Dentistry, $\frac{3}{10}$ time, one year from September 1, 1966, \$2,900 (7-19-66).
- SMITH, WILLIAM O., JR., Technical Associate in General Engineering (C) (Urbana), one year from September 1, 1966, \$12,500 (9-10-66).
- SOUTHWICK, HARRY W., Clinical Professor of Surgery, College of Medicine, $\frac{35}{100}$ time, September 1, 1966-June 30, 1967, \$5,000 a year (8-23-66).
- STABELL, ROLF, Research Associate in Astronomy (Urbana), one year from September 1, 1966, \$9,000 (9-19-66).
- STEINER, THEODORE E., Instructor in Psychology (Urbana), academic year 1966-67, \$9,000 (9-20-66).
- STETZER, DONALD FOSTER, Instructor in Geography (Chicago Circle), $\frac{3}{4}$ time, academic year 1966-67, \$4,500 (8-5-66).
- STINESPRING, W. FORREST, Associate Professor of Mathematics (Chicago Circle), indefinite tenure from September 1, 1966, academic year service basis, \$14,000 a year (9-10-66).
- STOLLER, EDWARD W., Assistant Professor of Plant Physiology, Department of Agronomy (S) (Urbana), one year from September 1, 1966, without salary (8-1-66).
- SULLIVAN, JUDITH M., Instructor in Medical Social Work, College of Medicine, September 7, 1966-August 31, 1967, \$7,000 a year (9-6-66).
- SULLIVAN, MARY E., Consultant, with rank of Associate Professor, in the Jane Addams Graduate School of Social Work (Chicago Circle), academic year 1966-67, \$12,500, supersedes (8-4-66).
- SUSSMAN, HANS G., Assistant Professor of Oral Pathology, College of Dentistry, one year from September 1, 1966, \$11,000, and Assistant Professor of Preventive Medicine and Community Health, College of Medicine, without salary, supersedes (7-21-66).
- SWAIN, MRS. BARBARA C., Cataloger, with rank of Instructor, in the Library and in Latin-American Studies (Urbana), one year from September 1, 1966, \$6,600 (9-19-66).
- TALMAGE, MRS. HARRIET, Instructor in Education (Chicago Circle), $\frac{2}{3}$ time, academic year 1966-67, \$6,000 (9-10-66).
- TAYLOR, SAMUEL G., III, Professor of Medicine, College of Medicine, $\frac{2}{5}$ time, one year from July 1, 1966, \$3,420 (8-29-66).
- TENG, CHENG Y., Instructor in Medicine, College of Medicine, $\frac{3}{5}$ time, one year from September 1, 1966, \$4,750 (8-17-66).
- TERWILLIGER, JOHN E., Assistant Director, Bureau of Institutional Research, with rank of Assistant Professor (Urbana), one year from September 1, 1966, \$14,500, supersedes (9-20-66).
- THOMAS, IAN B., Research Associate in Electrical Engineering (C) (Urbana), one year from September 1, 1966, \$9,600 (9-10-66).
- THOMPSON, JOHN, Director of the Center for Latin-American Studies, $\frac{45}{100}$ time, \$6,650, one year from September 1, 1966, and Professor of Geography and Head of the Department, $\frac{55}{100}$ time, \$7,850, indefinite tenure from September 1, 1966 (Urbana), total salary \$14,500, supersedes (8-23-66).
- THOMPSON, RALPH B., Visiting Professor of Marketing and Management (Chicago Circle), nine months from September 16, 1966, \$16,000, supersedes (9-8-66).
- TIBBETTS, CHARLENE N., Research Associate at University High School (Urbana), academic year 1966-67, \$6,500, supersedes (9-15-66).
- TIGERMAN, STANLEY, Associate Professor of Architecture (Chicago Circle), $\frac{3}{4}$ time, academic year 1966-67, \$8,267, supersedes (9-8-66).

- TIMBERLAKE, PHOEBE, Departmental Library Assistant, with rank of Instructor, in the Library (Urbana), one year from September 1, 1966, \$6,600 (8-11-66).
- TREGER, HARVEY, Consultant, with rank of Assistant Professor, in the Jane Addams Graduate School of Social Work (Chicago Circle), one year from September 1, 1966, \$12,750, supersedes (8-2-66).
- TSITSPOULOS, STAMATIS, Instructor in Linguistics (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$3,600 (8-2-66).
- TUREK, BURTON S., Instructor in Pedodontics, College of Dentistry, $\frac{2}{3}$ time, one year from September 1, 1966, \$3,400, supersedes (7-5-66).
- TYROLER, ROBERT L., Research Associate in the Graduate College (Medical Center), August 1, 1966-August 31, 1967, \$12,000 a year (9-15-66).
- VALLENTI, ROBERT R., Instructor in Electrical Engineering (C) (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$2,800 (8-11-66).
- VANDREY, PHILIP L., Instructor in Spanish (Chicago Circle), academic year 1966-67, \$7,800 (7-26-66).
- VATTANO, ANTHONY J., Consultant, with rank of Assistant Professor, in the Jane Addams Graduate School of Social Work (Urbana), one year from September 1, 1966, \$12,750 (8-2-66).
- VETTER, CRAIG W., Research Associate in Secondary and Continuing Education and in the Curriculum Laboratory, College of Education (Urbana), one year from September 1, 1966, \$7,150 (9-20-66).
- VIANELLO, KENNETH J., Instructor in Physical Education for Men (Chicago Circle), academic year 1966-67, \$5,400, plus overtime basis, \$800, total salary \$6,200 (9-8-66).
- VIDMAR, NEIL J., Research Associate in Psychology (Urbana), $\frac{2}{3}$ time, academic year 1966-67, \$5,000 (9-14-66).
- WALLACE, ROBERT C., Specialist in Education, in University High School (Urbana), $\frac{1}{4}$ time, academic year 1966-67, \$1,825 (9-20-66).
- WALLER, GILBERT R., Professor of Music, $\frac{1}{2}$ time, \$6,800, and Professor of Music in the Division of University Extension, $\frac{1}{2}$ time, \$6,800 (Urbana), nine months from September 16, 1966, total salary \$13,600, supersedes (8-8-66).
- WALLHAUS, ROBERT A., Management Methods Analyst in the Statistical Service Unit, and Teaching Assistant in Mechanical and Industrial Engineering (C) (one-fourth time during the academic year) (Urbana), one year from September 1, 1966, \$12,000 (9-6-66).
- WEBB, ROBERT J., Adviser in Dairy Science at the Uttar Pradesh Agricultural University, Pant Nagar, India, for service under Contract USAID/Nesa-150, beginning August 28, 1966, and continuing through February 27, 1967, \$18,865 a year; and Professor of Animal Science Extension, on indefinite tenure; Assistant Director of the Agricultural Experiment Station, and Superintendent of Extension Programs at Dixon Springs Agricultural Center, in the Agricultural Experiment Station and in the Cooperative Extension Service in Agriculture and Home Economics, beginning February 28, 1967, through August 31, 1967, \$17,150 a year, supersedes (8-24-66).
- WEISS, MARVIN B., Associate Professor of Operative Dentistry, College of Dentistry, indefinite tenure from September 1, 1966, \$15,250, supersedes (9-7-66).
- WELLER, Carolyn R., Physical Education Library Assistant, with rank of Instructor, in the Library (Urbana), one year from September 1, 1966, \$6,600 (8-24-66).
- WELLER, CHARLES M., Assistant Professor of Secondary and Continuing Education (Urbana), academic year 1966-67, \$10,300 (9-2-66).
- WHISLER, FRANK D., Assistant Professor of Soil Physics, Department of Agronomy (S) (Urbana), one year from September 1, 1966, without salary (9-1-66).
- WICKERSHEIM, ROBERT D., Instructor in Electrical Engineering (C) (Urbana), $\frac{1}{2}$ time, academic year 1966-67, \$2,800 (8-11-66).
- WILKEN, RAYMOND E., Instructor in Secondary and Continuing Education (Urbana), academic year 1966-67, \$7,000 (9-7-66).
- WILLIAMS, JOHN S., Visiting Lecturer in Geology (Chicago Circle), $\frac{7}{10}$ time, Fall quarter 1966, \$1,759 (9-15-66).
- WILLIS, JUDITH H., Assistant Professor of Entomology (Urbana), academic year 1966-67, \$9,200, supersedes (8-17-66).
- WOLF, EDWARD L., Research Assistant Professor in the Coordinated Science Laboratory (C) (Urbana), one year from September 1, 1966, \$10,000, supersedes (8-29-66).

- WOOD, MRS. BARBARA S., Assistant Professor of Speech (Chicago Circle), academic year 1966-67, \$8,700, supersedes (9-1-66).
- WOOLWINE, JAMES R., Staff Assistant in the Office of the Chancellor (Chicago Circle), one year from September 1, 1966, \$10,000 (9-13-66).
- WU, SHU-YAU, Research Associate in Electrical Engineering (C) (Urbana), Semester I 1966-67, \$7,855 a year (9-6-66).
- WYER, ROBERT S., Assistant Professor of Psychology (Chicago Circle), academic year 1966-67, \$10,400, supersedes (8-26-66).
- YOUNGBERG, RICHARD S., Instructor in Physical Education for Men (Urbana), academic year 1966-67, \$8,000, supersedes (8-23-66).
- ZACCARIA, JOSEPH, Assistant Professor of Educational Psychology (Urbana), academic year 1966-67, \$10,000 (8-29-66).
- ZAVARELLA, VICTOR, Research Associate in the Bureau of Institutional Research (Urbana), one year from September 1, 1966, \$12,000 (9-14-66).

RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

- ALBRIGHT, ELSIE F., Instructor in Medical Social Work, College of Medicine—resignation effective September 10, 1966.
- BREIDENSTEIN, BURDETTE C., Associate Professor of Animal Science (Urbana)—resignation effective September 15, 1966.
- CONNOR, AUDLEY F., JR., Assistant Professor of Health Science and Staff Physician in the Health Service (Chicago Circle)—resignation effective October 1, 1966.
- CORNELL, HARRISON K., Assistant Editor with rank of Instructor in Veterinary Medicine (Urbana)—resignation effective September 12, 1966.
- DAY, H. SUMMERFIELD, Supervising Architect (Chicago Circle)—resignation effective October 16, 1966.
- FARRIS, R. E., Research Associate in Ceramic Engineering (Urbana)—cancellation effective September 1, 1966.
- FIELD, MRS. HOLLY, Instructor in Speech Correction, Department of Otolaryngology, College of Medicine—resignation effective September 15, 1966.
- GRABOWSKI, MRS. CATHLEEN, Staff Pharmacist in Manufacturing Pharmacy, College of Pharmacy—resignation effective October 2, 1966.
- GRIMES, D. MICHAEL, Research Engineer in Civil Engineering (Urbana)—cancellation effective September 1, 1966.
- HEYNE, PAUL T., Assistant Professor of Marketing (Urbana)—resignation effective September 1, 1966.
- KAPLAN, MRS. ETHEL K., Instructor in English (Urbana)—declination effective September 1, 1966.
- NOSKER, HERBERT D., Assistant Extension Editor with rank of Assistant Professor of Agriculture (Urbana)—resignation effective October 1, 1966.
- PICACHE, URSULA, Cataloger, with rank of Instructor, in the Library (Urbana)—declination effective September 1, 1966.
- SMITH, CEDRIC M., Professor of Pharmacology, College of Medicine—resignation effective October 1, 1966.
- STEINER, WILLIAM G., Instructor in Electrical Engineering (Urbana)—resignation effective September 1, 1966.
- STONE, ARTHUR, Instructor in Operative Dentistry, College of Dentistry—declination effective September 1, 1966.
- SWANDA, JOHN R., JR., Student Activities Adviser in the Housing Division and Assistant Dean of Men (Urbana)—resignation effective September 1, 1966.
- TERRAS, VICTOR, Professor of Russian, Department of Slavic Languages and Literatures (Urbana)—resignation effective September 1, 1966.
- THOMPSON, M. N., Research Associate in Physics (Urbana)—resignation effective October 1, 1966.
- TOMITA, GIITI, Research Associate in Botany (Urbana)—resignation effective September 1, 1966.
- WEAVER, LELLAND A., Instructor in Electrical Engineering (Urbana)—declination effective September 1, 1966.

LEAVES OF ABSENCE

- BECKETT, GRACE, Associate Professor of Economics (Urbana)—leave of absence, without pay, for the academic year 1966-67, due to family illness.
- JOHNSTON, BEN B., JR., Associate Professor of Music (Urbana) and Associate

Member of the Center for Advanced Study—leave of absence, without pay, 71 per cent of academic year 1966-67.

PETERS, DOLY B., Associate Professor of Soil Physics, Department of Agronomy, in the Cooperative Extension Service in Agriculture and Home Economics (Urbana)—leave of absence, without pay, for one year from September 1, 1966.

CANCELLATION OF LEAVE OF ABSENCE

REISNER, RALPH, Assistant Professor of Law (Urbana)—leave of absence, without pay, for Semester I 1966-67, is hereby cancelled.

RECESS AND EXECUTIVE SESSION

President Clement stated that an executive session had been requested and was being ordered for consideration of reports and recommendations relating to patentable inventions and property acquisition.

On motion of Mrs. Watkins, the Board recessed.

When the Board reconvened, the same members of the Board, officers of the Board, and officers of the University as recorded at the beginning of these minutes were present, except Mr. Ray Page.

The Board considered the following reports and recommendations from the President of the University.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(29) The University Patent Committee submits, with the concurrence of the Chairman of the University Research Board, the following recommendations relating to patentable inventions:

1. Neutralization of biological toxins—Sol Roy Rosenthal, Director of Institution for Tuberculosis Research, at the Medical Center, inventor. This is a phenomena wherein the lethal effects in mice of fractions of burned skin are inhibited by other fractions of the same skin.

It is recommended that this invention be released to the inventor, subject to full recognition of the rights of the United States Navy, the sponsoring agency.

2. Preservation of enamel by use of dichloro-s-triazinyl and polyfunctional aziridinyl compounds in polycondensation reaction—Philip P. Goland, Research Associate in Orthodontics, at the Medical Center, inventor. This is a system produced by the chemical bonding of dichloro-s-triazinyl and polyfunctional aziridinyl (ethylenimine) derivatives in polycondensation reaction with various receptor sites in dental enamel.

It is recommended that this invention and supplemental ideas be released to the University of Illinois Foundation for study, development, and possible filing of patent applications, subject to the rights of the United States Government.

3. Preparation of stabilized derivatives of animal and plant origin by condensation reaction with halo-s-triazines—Nicholas G. Grand, Professor of Oral Pathology, and Philip P. Goland, Research Associate in Orthodontics, at the Medical Center, inventors. This is a system produced by the chemical bonding of halo-s-triazines, such as cyanuric chloride, chloro-s-triazine dyes and related colorless compounds with various organic agents, materials, and substrates.

It is recommended that this invention and supplemental ideas be released to the University of Illinois Foundation for study, development, and possible filing of patent applications, subject to the rights of the United States Government.

4. Human learning recorder—Jerome S. Allender, formerly in the Office of Research in Medical Education, and George Luhr, Director of the Physiology Instrument Shop, at the Medical Center, inventors. This is an electromechanical instrument for presenting programmed teaching materials and for recording data on the progress of a student using such materials; its novelty lies in the particular components, the arrangement, the reliability, and the relative inexpensiveness of the components that were used.

It is recommended that the rights of the University be released to the inventors with full recognition of the rights of the United States Government.

5. Soil-gas emanation measurement system used for radon-222—John E. Pearson, Professor of Nuclear Engineering, of Civil Engineering, and of General

Engineering, at Urbana, inventor. A radon-222 collection system, consisting of a pump, traps to remove water, carbon dioxide, and radon-222 and a flow meter was modified for use in determining release of radon-222 gas from soil. Modification included addition of the gas collection device, replacement of a wet test meter by a rotometer to determine flow, and the arrangement of the apparatus so that the gas collector was located in the system where its internal pressure was approximately that of the atmosphere.

It is recommended that the rights of the University be released to the inventor with full recognition of the rights of the United States Government.

I concur in these recommendations.

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

**PURCHASE OF PROPERTY AT 1006-1008 WEST
CALIFORNIA AVENUE, URBANA**

(30) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees request the University of Illinois Foundation to purchase the property at 1006-1008 West California Avenue, Urbana, at a price of \$44,000, and lease the property to the University at a rental adequate to pay the interest on a bank loan to the Foundation to finance the purchase until the University has funds for its acquisition. This property is adjacent to the Krannert Center for the Performing Arts and is required for future expansion of the University.

The property is improved with a two-story dwelling with basement on a lot 60 feet x 150 feet (9,000 square feet).

I concur.

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

On motion of Mr. Swain, the Board adjourned.

EARL W. PORTER
Secretary

HOWARD W. CLEMENT
President

A. J. JANATA HONORED AT LUNCHEON

The Trustees met for luncheon with the President and other officers of the University and took occasion to honor the former Secretary of the Board, Mr. A. J. Janata. Each of the Trustees present rose to make a personal expression of affection and respect for Mr. Janata, who then responded briefly.