

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

April 23, 1965



The April meeting of the Board of Trustees of the University of Illinois was held in the Chicago Illini Union, 715 South Wood Street, Chicago, Illinois, on Friday, April 23, 1965, 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. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Harold Pogue, Mr. Timothy W. Swain, Mr. Kenney E. Williamson. Governor Otto Kerner, Mr. Ray Page, and Mrs. Frances B. Watkins were absent.

Also present were President David D. Henry; Executive Vice-President and Provost Lyle H. Lanier; Vice-President Norman A. Parker, Chicago Circle; Vice-President Joseph S. Begando, Medical Center; Director C. S. Havens of the Physical Plant; Mr. C. E. Flynn, Assistant to the President and Director of Public Information; Mr. James J. Costello, Legal Counsel; Mr. Vernon L. Kretschmer, Associate Director of the Physical Plant and Director of Auxiliary Services; Mr. Earl W. Porter, Assistant to the President and Associate Secretary to the Board; Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; Mr. David W. Bonham, Business Manager at the Medical Center; Mr. Clarence C. Leverenz, Director of the Union and Housing at the Medical Center; and the officers of the Board, Mr. R. R. Manchester, Treasurer; Mr. H. O. Farber, Comptroller; and Mr. A. J. Janata, Secretary.

MINUTES APPROVED

The Secretary presented the minutes of the meetings of the Board of Trustees on July 22, September 16, and October 21, 1964, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 1 to 210, inclusive.

VISITORS FROM INDIA

At the request of President Henry, Professor Robert W. Jugenheimer, Campus Director of Agency for International Development Programs at the University of Illinois, introduced the following guests from Jawaharlal Nehru Agricultural University, who are visiting the University of Illinois this month, and who had been invited to be guests of the Board at today's meeting:

- R. L. KAUSHAL, Dean, College of Veterinary Medicine, Jawaharlal Nehru Agricultural University
- S. L. VISHNOI, Director of Extension, Jawaharlal Nehru Agricultural University
- B. P. TIWARI, Director of Research, Jawaharlal Nehru Agricultural University.

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.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, 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>
ARTHUR L. CRANDALL	Chicago, Illinois	District of Columbia
HERBERT C. LAUVER	Harrisburg, Pennsylvania	Pennsylvania
WILLIAM CABLE YOUNGQUIST	Park Forest, Illinois	Ohio

I concur.

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

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

(2) The Director of the Institute of Labor and Industrial Relations recommends the following appointments to the Institute's Advisory Committee for terms of three years, beginning January 1, 1965, to fill vacancies:

Labor

- ROBERT G. GIBSON, Secretary-Treasurer of the Illinois State Federation of Labor and Congress of Industrial Organizations
- GEORGE E. SMITH, Business Manager of Local Union No. 702 of the International Brotherhood of Electrical Workers

Public

JOHN J. PASCUCCI, Assistant Professor of Economics and Business Administration at Knox College

Management

WILLARD J. REID, Vice-President and General Manager of the Genoa Branch of the Automatic Electric Company

I recommend approval.

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

COLLEGE OF PHARMACY ADVISORY COMMITTEE

(3) The Dean of the College of Pharmacy recommends the following appointments to the College of Pharmacy Advisory Committee:

ROBERT DEAN ANDERSON, Proprietor of the Holland Drug Store, West Frankfort, for a term ending June 30, 1968

HERBERT S. WILKINSON, Director of Canadian company of Abbott Laboratories, 181 East Foster Place, Lake Forest, for a term ending June 30, 1969

Mr. Anderson will replace Mr. George E. Parks of Anna and Mr. Wilkinson will replace Dr. Robert Hardt of Chicago, whose terms have expired.

I concur.

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

SABBATICAL LEAVES OF ABSENCE, 1965-66

(4) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1965-66 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 12, 1965. (It was reported at that time that some applications for sabbatical leaves during 1965-66 were still under administrative consideration and that additional recommendations would be submitted at a subsequent meeting.)

College of Engineering*Department of General Engineering*

ROBERT P. BORRI, Associate Professor of General Engineering, second semester, full pay.

Institute of Labor and Industrial Relations

BERNARD KARSH, Professor of Sociology in the Institute of Labor and Industrial Relations and in Liberal Arts and Sciences, first semester, one-half pay.

College of Liberal Arts and Sciences*Department of Political Science*

CHARLES B. HAGAN, Professor and Chairman of Political Science, full year, one-half pay.

*College of Nursing***Medical Center**

RACHEL BLISS, Associate Professor of Nursing, six months beginning September 1, 1965, full pay.

LILLIAN G. OERTEL, Assistant Professor of Nursing, six months beginning March 1, 1966, full pay.

*Department of English***Chicago Circle**

EUGENE B. VEST, Professor of English, second semester, full pay.

Department of Geology

ROBERT WHITCOMB KARPINSKI, Professor of Geology, second semester, full pay.

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

HONORARY DEGREES

(5) The University Senates have recommended that honorary degrees be conferred on the following:

Urbana-Champaign

LELAND JOHN HAWORTH, Director of the National Science Foundation and a former Professor of Physics at the University of Illinois, the degree of Doctor of Science.

HERMAN CHARLES KRANNERT, Chairman of the Board of the Inland Container Corporation and an alumnus of the University, Class of 1912, the degree of Doctor of Laws.

HAROLD DWIGHT LASSWELL, Professor of Law and Political Science at Yale University and a former member of the faculty of the University of Chicago, the degree of Doctor of Laws.

JOSEPH TYKOCINSKI TYKOCINER, a member of the faculty of the University of Illinois since 1921 and Research Professor of Electrical Engineering, *Emeritus*, since 1948, the degree of Doctor of Engineering.

Medical Center

WARD DARLEY, M.D., former Dean of the University of Colorado Medical School, later President of that University, and former Executive Director of the Association of American Medical Colleges, the degree of Doctor of Science. Dr. Darley will be the speaker at the Commencement Exercises for the Medical Center graduates on June 11, 1965.

I concur in the recommendations of the Senates. The first four degrees will be conferred at the Commencement Exercises at Urbana-Champaign on June 19, and Dr. Darley's degree at the Commencement Exercise in Chicago on June 11.

On motion of Mr. Swain, these degrees were authorized as recommended.

APPOINTMENTS TO THE FACULTY

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

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. YAO WEN CHANG, Visiting Assistant Professor of Materials Engineering (Chicago Circle), on one-third time, for the second semester, 1964-65, at a salary of \$1,500 (E33).
2. JOHN M. DOWD, Assistant Professor in the Department of Preventive Medicine, beginning March 22, 1965, at an annual salary of \$14,000 (DY).
3. THOMAS H. GUBACK, Assistant Professor of Journalism and Research Assistant Professor in the Institute of Communications Research (Urbana), beginning February 1, 1966, at an annual salary of \$8,600 (B).
4. BRUNO F. O. HILDEBRANDT, Associate Professor of German (Chicago Circle), beginning September 1, 1965, at an annual salary of \$10,500 (A).
5. NORMAN JACOBS, Professor of Sociology and in the Asian Studies Center (Urbana), beginning September 1, 1965, at an annual salary of \$13,000 (A).
6. FRANÇOIS JOST, Professor of French, on one-third time, and Director of the Program in Comparative Literature (Urbana), on two-thirds time, beginning September 1, 1965, at an annual salary of \$16,800 (A).
7. VERNON T. S. KAM, Assistant Professor of Accounting (Chicago Circle), beginning September 1, 1965, at an annual salary of \$9,500 (B).
8. JOHN KENYON, Research Assistant Professor of Psychology (Urbana), beginning September 1, 1965, at an annual salary of \$8,600 (DY).
9. LOUIS SEYMOUR BAZETT LEAKEY, George A. Miller Visiting Professor of Anthropology (Urbana), from April 1, 1965, through May 15, 1965, at a salary of \$4,500 (G).

10. THEODORE M. LIGHTNER, Assistant Professor in the Department of Linguistics, on three-fourths time, and in Slavic Languages and Literatures, on one-fourth time (Urbana), beginning September 1, 1965, at an annual salary of \$8,200 (B).
11. SUSAN M. MARKLE, Head, Programmed Instruction Division, Office of Instructional Resources, and Associate Professor of Psychology (Chicago Circle), beginning July 1, 1965, at an annual salary of \$13,000 (DY; AY).
12. DON R. MOSHER, Visiting Associate Professor of Metallurgy, in the Department of Mining, Metallurgy, and Petroleum Engineering (Urbana), for the second semester, 1964-65, without salary (E).
13. ROBERT L. NORTHROP, Assistant Professor of Microbiology, College of Medicine, beginning July 1, 1965, without salary (DY).
14. GILBERT J. PERLOW, Visiting Professor of Physics (Chicago Circle), on one-third time, for the second semester, 1964-65, at a salary of \$2,667 (E33).
15. ROSITA S. PILDES, Assistant Professor of Pediatrics, College of Medicine, on seven-tenths time, beginning March 1, 1965, at an annual salary of \$7,000 (DY70).
16. CHARLES W. PUFFENBARGER, Assistant Professor of Journalism (Urbana), beginning September 1, 1965, at an annual salary of \$10,000 (B).
17. JOHN ANTHONY QUINN, Assistant Professor in the Bureau of Community Planning, and Assistant Professor of Community Planning in Agricultural Economics Extension (Urbana), beginning March 15, 1965, at an annual salary of \$10,280 (DY).
18. K. EDWARD RENNER, Associate Professor of Psychology (Urbana), beginning September 1, 1965, at an annual salary of \$10,200 (A).
19. KEITH G. SCOTT, Research Assistant Professor of Psychology, in the Institute for Research on Exceptional Children (Urbana), beginning September 16, 1965, at an annual salary of \$9,000 (E).
20. DANIEL L. SLOTNICK, Professor of Computer Science (Urbana), for three months from June 1, 1965, at a salary of \$6,333 for the period; beginning September 1, 1965, at an annual salary of \$19,000 (G; A).
21. PETER R. STUBING, Psychiatrist and Assistant Professor of Health Science, in the Health Service (Urbana), beginning July 1, 1965, at an annual salary of \$17,000 (DY).
22. BRYAN TRUELOVE, Visiting Assistant Professor of Plant Physiology, in the Department of Agronomy (Urbana), for six months from April 1, 1965, at a salary of \$4,500 (G).
23. JOHN M. VICKERS, Assistant Professor of Philosophy (Chicago Circle), beginning September 1, 1965, at an annual salary of \$9,800 (B).
24. JOHN S. WERRY, Research Child Psychiatrist in the Children's Research Center, and Assistant Professor of Psychiatry, in the Department of Psychology (Urbana), beginning April 1, 1965, at an annual salary of \$21,000 (DY).

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

INSTRUCTIONAL DEVELOPMENT AWARDS FOR THE SUMMER OF 1965

(7) In order to encourage interest in studies designed to improve undergraduate instruction, the Executive Vice-President and Provost issued an invitation last October to faculty members to submit applications for "Undergraduate Instructional Awards" to be made for the summer of 1965. Each award would provide a full-time salary for two months (two-ninths of the academic-year salary).

It was announced that preference would be given to applications related to courses offered primarily for freshmen and sophomores, which also showed promise of creative innovation in one or more of the following respects: organization of course content, development of new instructional materials, improvements in teaching methods.

After approval by the heads of departments and review by the deans of the colleges concerned, a total of forty applications were submitted to the Executive Vice-President and Provost. Under the latter's chairmanship, a special committee has reviewed these applications and has recommended that full-time appointments for two months this summer, at current salary rates, be authorized for the following faculty members (total of thirty):

Chicago Circle

WILLIAM R. ANDERSON, Associate Professor of Physics
 JOHN D. DAVIS, Associate Professor of Psychology
 ROBERT E. DEMAR, Assistant Professor of Geology
 FLORA DINKINES, Professor of Mathematics
 MARGARET GEORGE, Assistant Professor of History
 GEORGE HENDRICK, Professor of English
 MOREEN JORDAN, Associate Professor of English
 DAVID W. LEVINSON, Professor of Metallurgy
 EDWARD B. MCNEIL, Professor of Physics
 JAMES B. ORR, Instructor in Geology
 SAMUEL SCHRAGE, Associate Professor of Chemistry
 DAVID SHOMAY, Associate Professor of Biological Sciences
 HAZEL VARDAMAN, Professor of German

Urbana-Champaign

THADDEUS M. ELSESSER, Associate Professor of Theoretical and Applied Mechanics
 JOHN P. HIPSKIND, Assistant Professor of General Engineering
 KOSTAS KAZAZIS, Instructor in Linguistics
 KURT KLEIN, Associate Professor of Russian
 J. O. KOPPLIN, Associate Professor of Electrical Engineering
 WILLIAM C. KURTH, Instructor in Classics
 LEO S. LAVATELLI, Professor of Physics
 ROBERT MCCOLLEY, Assistant Professor of History
 JOHN C. MCGREGOR, Professor of Anthropology
 JAMES E. MOYER, Associate Professor of Advertising
 HOWARD G. ROEPKE, Professor of Geography
 THOMAS O. SLOAN, Assistant Professor of Speech
 WILBERT F. STOECKER, Professor of Mechanical Engineering
 STANLEY G. STOLPE, Associate Professor of Physiology
 STAFFORD H. THOMAS, Assistant Professor of Verbal Communication in the Division of General Studies
 H. R. WETENKAMP, Professor of Theoretical and Applied Mechanics
 Graduate Assistant (full time) to be supervised by Dr. John R. Laughnan, Professor of Botany

In addition to these stipends, it is recommended that the following sums be appropriated for special expenses in connection with certain of these projects: (a) College of Engineering (Chicago Circle), \$950; (b) College of Liberal Arts and Sciences (Chicago Circle), \$500; (c) College of Engineering (Urbana-Champaign), \$840; (d) College of Liberal Arts and Sciences (Urbana-Champaign), \$4,468.

It is further recommended that funds for the stipends and the other expenses be assigned from the General Reserve.

I concur.

On motion of Mr. Hughes, these awards were authorized, as recommended, and the requested assignments of funds were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mr. Williamson; no, none; absent, Governor Kerner, Mr. Page, Mrs. Watkins.

DEAN OF FACULTIES AT CHICAGO CIRCLE

(8) The Vice-President of the University of Illinois at Chicago Circle recommends that the position of Dean of Faculties be established at the Chicago Circle campus, and that Dean Glenn Terrell, Jr., of the College of Liberal Arts and Sciences, be appointed Dean of Faculties, effective May 1, 1965. It is recommended further, with the strong and unanimous approval of the heads of departments in the College of Liberal Arts and Sciences, that Dean Terrell be designated to serve as Acting Dean of that College until the appointment of his successor as Dean becomes effective.

Dean Terrell will also continue to hold the rank of Professor of Psychology

on indefinite tenure. The administrative appointment will be from May 1, 1965, through August 31, 1967, consistent with the statutory provision of biennial tenure for deans and directors. The recommended salary is \$25,000 per year on a twelve months' service basis.

These recommendations are made after consultation with all of the deans and directors at the Chicago Circle campus and with their approval. The Acting Dean of the Graduate College and the Executive Vice-President and Provost endorse these recommendations.

The Dean of Faculties would serve as the chief educational officer at the Chicago Circle campus, under the Vice-President. Within the framework of established University policies and procedures, he would exercise general administrative supervision over the entire academic program conducted at that campus — including admissions, curricula, instruction, research, faculty relations, and such other academic responsibilities as might be delegated to him by the Vice-President.

The deans of colleges and the directors of divisions would normally report to the Dean of Faculties concerning all academic matters, including those relating to instructional and research resources and needs. But the right of any dean or director to communicate directly with the Vice-President would continue to be recognized.

I concur.

On motion of Mr. Swain, this position was authorized and the appointment was approved.

REORGANIZATION OF OFFICE OF ADMISSIONS AND RECORDS

(9) The expansion of the educational programs at Chicago, the growing magnitude of the tasks facing the All-University Committee on Admissions, and the need for greater attention to the University's relationships with junior colleges — these and other considerations have made it increasingly desirable to consider changes in the organization of the Office of Admissions and Records.

At present, the Dean of Admissions and Records has two general types of responsibilities: (a) administrative direction of the operations conducted by the Office of Admissions and Records at its branches on the three campuses; (b) all-University coordination and evaluation of admission policies and procedures, together with administrative supervision over various related operations. The latter include: articulation with high schools and junior colleges; administration of the undergraduate scholarship program; research on admission tests and standards; the collection and organization of information concerning students.

After considerable study of the growing needs related to these two types of functions and their interrelations, the Dean of Admissions and Records has proposed the following changes in administrative organization and functions:

1. That the Office of Admissions and Records at each campus be administered by a Director who would report to the chief educational officer of that campus. Within the framework of general University policies and procedures, the respective offices of admissions and records would be conducted autonomously at each campus, under the general supervision of its chief educational officer.
2. That the present title of "Dean of Admissions and Records" be changed to "University Dean of Admissions and Records." He would be responsible, in consultation with the chief educational officer of each campus and the committees concerned, for the formulation and recommendation of all-University policy relating to admissions, student records, undergraduate scholarships, and relations with high schools and colleges. He would also be responsible for the coordination of operations and for evaluative studies in these areas.

The University Dean of Admissions and Records would report to the Executive Vice-President and Provost. He would work closely with the All-University Committee on Admissions, and with other committees at the several campuses concerned with problems in this general area.

The Executive Vice-President and Provost recommends approval of these changes, to become effective September 1, 1965. A revision of the University of Illinois Statutes will be required, and he recommends that the attached revision of

Section 47 be approved. It would be referred to the three Senates for advice before becoming effective, in accordance with Section 65 of the Statutes.

I concur.

On motion of Mr. Williamson, this recommendation and the proposed revision of Section 47 of the University Statutes, which appears below, were approved.

Sec. 47. (a) The University Dean of Admissions and Records shall be appointed biennially by the Board of Trustees on the nomination of the President. He shall be administratively responsible to the Executive Vice-President and Provost. He shall be responsible, in consultation with the chief educational officer at each campus and the committees concerned, for the formulation and recommendation of all-University policies relating to admissions, student records, undergraduate scholarships, and relations with high schools and colleges. He shall also be responsible for the coordination of the activities conducted by the Offices of Admissions and Records at the several campuses, and for evaluative studies related to these activities.

(b) A Director of Admissions and Records shall be appointed biennially by the Board of Trustees for each campus of the University, on the nomination of the President. Each Director of Admissions and Records will be administratively responsible to the Chief educational officer at his campus. He shall communicate with prospective students, pass upon credentials of students entering the colleges, schools, and divisions, supervise their entrance examinations, have charge of matriculation and registration, and be the official custodian of all academic records. He shall conduct appropriate programs of articulation with high schools and colleges. The Director of Admissions and Records shall also assess tuition and fees and keep detailed records of all tuition and other fees of students and report them to the Vice-President and Comptroller for collection.

HEADSHIP OF DEPARTMENT OF MATHEMATICS AT URBANA

(10) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. Paul T. Bateman, presently Professor and Associate Head of the Department of Mathematics, as Professor on indefinite tenure and Head of the Department of Mathematics in the College of Liberal Arts and Sciences beginning September 1, 1965, at an annual salary of \$23,000 on an academic year service basis.

This appointment will replace Professor Mahlon M. Day, who has asked to be relieved of his administrative duties as Head of the Department at the end of the current academic year.

This appointment is being recommended by a search committee¹ and is endorsed by the Acting Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

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

CHAIRMANSHIP OF DEPARTMENT OF POLITICAL SCIENCE AT URBANA

(11) The Department of Political Science at Urbana-Champaign is organized with a Chairman appointed biennially, and the chairmanship has been rotating for several years. The term of the present Chairman, Professor Charles B. Hagan, will expire at the end of the current academic year, and he has also requested a sabbatical leave of absence for next year.

Following consultation with the Executive Committee of the Department and the Executive Committee of the College, the Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Murray Edelman as Chairman of the Department of Political Science for two years from September 1, 1965,

¹ John W. Gray, Associate Professor of Mathematics; Maurice H. Heins, Professor of Mathematics; Howard A. Osborn, Associate Professor of Mathematics; John R. Pasta, Research Professor of Physics and Head of the Department of Computer Science; Irving Reiner, Professor of Mathematics; Nelson Wax, Professor of Electrical Engineering; and Nelson J. Leonard, Professor of Organic Chemistry, Chairman of the Committee.

at a salary to be determined when the budget for 1965-66 is submitted to the Board for approval. The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

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

DEPARTMENTS OF LANDSCAPE ARCHITECTURE AND OF URBAN PLANNING

(12) The College of Fine and Applied Arts and the Urbana-Champaign Senate recommend that the present Department of Urban Planning and Landscape Architecture be administratively divided into two departments, a Department of Landscape Architecture and a Department of Urban Planning, effective September 1, 1965.

It is the unanimous judgment of the faculty of the present Department that separation into two departments will best forward the educational program in each of these two professional fields. This administrative change will not affect the curricula or the degrees now granted.

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

I concur.

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

CHAIRMANSHIPS OF THE DEPARTMENTS OF URBAN PLANNING AND OF LANDSCAPE ARCHITECTURE

(13) A recommendation has been made to the Board of Trustees that the present Department of Urban Planning and Landscape Architecture in the College of Fine and Applied Arts be divided into two departments — a Department of Urban Planning and a Department of Landscape Architecture. Professor Louis B. Wetmore, now Head of the Department, has asked to be relieved of his administrative duties so that he may devote full time to teaching and research.

I have approved this change in his status effective August 31, 1965, and request confirmation of my action.

With the separation of the two divisions, the faculty members in Landscape Architecture and in Urban Planning who are eligible to vote on such matters have recommended that the new departments be organized with chairmen as executive officers, in accordance with the provision of the University of Illinois Statutes permitting such a change.

Chairmanship of the Department of Urban Planning

After consultation with the members of the faculty of professorial rank of the new Department of Urban Planning, the Dean of the College of Fine and Applied Arts recommends the appointment of Professor William I. Goodman, who has been a member of the faculty since 1956, as Professor of Urban Planning on indefinite tenure and Chairman of the Department for two years from September 1, 1965, at a salary to be determined when the budget for 1965-66 is submitted to the Board of Trustees for approval.

Chairmanship of the Department of Landscape Architecture

After consultation with the members of the faculty of professorial rank of the new Department of Landscape Architecture, the Dean of the College of Fine and Applied Arts recommends the appointment of Professor William G. Carnes, who has been a member of the faculty since 1962, as Professor of Landscape Architecture on indefinite tenure and Chairman of the Department for two years from September 1, 1965, at a salary to be determined when the budget for 1965-66 is submitted to the Board of Trustees for approval.

The Dean of the College of Fine and Applied Arts, the Acting Dean of the Graduate College, the Executive Vice-President and Provost, and I concur in all of the foregoing recommendations.

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

SCHOLARSHIPS FOR FOREIGN DISPLACED STUDENTS

(14) The Committee on Undergraduate Scholarships has recommended an extension of the Foreign Displaced Students Scholarship Program of fifteen tuition and fee scholarships for displaced persons or refugees, previously established by the Board of Trustees in 1949 and renewed in 1957 and 1961, for a four-year period beginning September, 1965.

The Executive Vice-President and Provost and I concur in this recommendation.

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

CENTER FOR HUMAN ECOLOGY

(15) The Acting Dean of the Graduate College recommends that a Center for Human Ecology be established at the University of Illinois as a separate unit of the Graduate College. Support for this recommendation comes from the executive officers of the Departments of Agronomy, Anthropology, Civil Engineering, Dairy Science, Geography, Marketing, Physiology and Biophysics, Psychology, Sociology, Urban Planning and Landscape Architecture, and Zoology; the University Research Board; and the Executive Committee of the Graduate College.

The University of Illinois has long maintained a distinguished record of leadership in human environmental studies. Studies are now under way in water and air pollution, radiological health, biometeorology, demography, and human ecology which have as their objective enlarging knowledge of the relationship of man to his total environment (the human ecosystem). The broad aim of the Center will be to develop and coordinate these various activities into an all-University program of education, research, and counsel concerning the human ecosystem.

The educational program will be a graduate minor. Students in training in traditional disciplines will take a series of interdisciplinary courses to acquire knowledge of concepts and methods of human ecology. Subsequently, they will participate in one of the interdisciplinary research projects of the Center to accumulate data for the doctoral dissertation.

Two major areas of research will be developed from investigations already under way: biology of human variability and ecology of health. The fundamental aim of this research will be to develop techniques and measurements which will allow the quantitative description of the healthy man. Such knowledge is urgently needed to study the impact of disturbances of the ecosystem on man. Concern for the problem is expressed in the growing national program of training and research in the environmental health sciences.

In addition to research, the Center should be prepared to give advice to state and national agencies and to engage in planning. One area that will be of great interest to the staff of the Center is the management of natural resources, both renewable and nonrenewable.

The Center will be administered by a Director and an Executive Committee. These individuals and other staff members will be appointed upon recommendation of the Dean of the Graduate College. It will be the primary function of the Executive Committee to implement the planning for and coordination of the Center's programs.

The members of the Center for Human Ecology will initially consist of the members of the present University Committee on Human Ecology. This group will become the University Council on Human Ecology. Additional members will be elected by the Council on the basis of their competence to contribute productively to the affairs of the Center, and with the concurrence of the departmental executive officers concerned.

I recommend approval.

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

**REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS
IN HISTORY, DESIGN, PLASTIC AND GRAPHIC ARTS
AT CHICAGO CIRCLE**

(16) The College of Art and Architecture and the Chicago Circle Senate recommend requirements for the Bachelor of Arts degree in Art History, Design, and Plastic and Graphic Arts, effective in September, 1965.

The first two years of art are designed to provide a common program for all students. With this foundation, students elect to concentrate study in one of the three areas of emphasis indicated. All curricula meet the general education requirements of the University.

Each curriculum is designed to provide a maximum of individual choice. It is the intention of the Department of Art to provide a range of offerings permitting flexible patterns of study from which each student, with faculty counsel, may select in order to attain the highest degree of comprehensive skill and knowledge.

Submitted herewith are general outlines of these curricula, including the basic requirements, copies of which are being filed with the Secretary of the Board for record.

The Senate Coordinating Council has been consulted and states that no other Senate jurisdiction is involved.

I recommend approval.

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

REVISION OF GENERAL CURRICULUM IN COLLEGE OF LIBERAL ARTS AND SCIENCES AT CHICAGO CIRCLE

(17) The College of Liberal Arts and Sciences and the Chicago Circle Senate recommend the following revisions in the major and minor requirements for the degree in the General Curriculum:

Major Program

1. That the major statement include the number of hours required for the major as well as a listing of any particular courses required of the majors.
2. That there should be a minimum of eight hours of 200 and 300 level courses required within the major department.
3. That no minimum grade-point average above that of the College (3.0) should be required for admission to a major program.

Minor Program

1. That no fewer than twelve hours be required for a minor in one department, or sixteen hours in two departments. No more than twenty-one hours total be required in either case.
2. That minors be selected by consultation between the student and the adviser in the major department and that no prior list of acceptable minors be specified by a department.
3. That minors may be selected outside the College only with approval of the department.

The requirements are expressed in terms of semester hours and will be converted into quarter hours when spelled out in the details of the curriculum.

The Senate Coordinating Council has been consulted and states that no other Senate jurisdiction is involved.

I recommend approval.

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

CHICAGO CIRCLE CURRICULUM PREPARATORY TO TEACHING IN THE ELEMENTARY SCHOOL

(18) The Division of Education and the Chicago Circle Senate recommend the approval of a curriculum Preparatory to Teaching in the Elementary School. The curriculum has the approval of the interim Council on Teacher Education at Chicago Circle and the Council on Teacher Education at Urbana.

The curriculum is designed to meet the requirements for teaching in the elementary and kindergarten-primary grades in the Chicago and Illinois schools. Its implementation is based upon a survey of the need for teachers in the elementary schools of Chicago and Illinois.

A minimum of 180 quarter hours of credit, exclusive of courses in physical education, will be required for graduation in this curriculum. Students will be distributed among the departmental courses of the College of Liberal Arts and Sciences during the first year and may be absorbed into present programs without additional staff.

The details of the curriculum will be filed with the Secretary of the Board for record.

The Senate Coordinating Council has been consulted and states that no other Senate jurisdiction is involved.

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

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

REVISION OF MAJOR IN HISTORY AT URBANA

(19) The College of Liberal Arts and Sciences and the Urbana-Champaign Senate recommend a revision in the requirements for a major in history, the basic changes being: an increase from twenty to twenty-four semester hours of courses in history required for the major; four semester hours earned, excluding freshman courses; all major students in history must take one survey course or its equivalent as a prerequisite for the major; introduction of a colloquium which will be required of all undergraduate majors.

A supporting statement from the College explaining the changes proposed, including a statement detailing the requirements to be included in official announcements, is submitted herewith and will be incorporated in the minutes as part of the record.

The Senate Coordinating Council has been consulted and states that no other Senate jurisdiction is involved.

I recommend approval.

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

MAJOR IN MATHEMATICS AND COMPUTER SCIENCE AT URBANA

(20) The College of Liberal Arts and Sciences and the Urbana-Champaign Senate recommend authorization of a major in mathematics and computer science to be offered by the Department of Mathematics in cooperation with the Department of Computer Science. This curricular program consisting of a major subject and two minor subjects is designed for students interested in mathematics who have a special interest in the use of computers. The format is composed of thirty-four hours of basic courses in mathematics. The first minor consists of twelve hours of courses in computer science and the second minor of not less than eight hours in an approved subject.

All courses required in this curriculum are now being offered with the exception of a new course in Intermediate Programming (Mathematics 295) which has been approved.

The University of Illinois, through its Digital Computer Laboratory, has been a leader in computer science for many years. Research work in this laboratory has been at the graduate level. It is believed that it is time to initiate an undergraduate program specifically designed for students interested in mathematics and computer science.

The Senate Coordinating Council has been consulted and states that no other Senate jurisdiction is involved.

I recommend approval, subject to approval of the State Board of Higher Education.

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

CHANGE IN THE CURRICULUM IN PAINTING AT URBANA

(21) The College of Fine and Applied Arts and the Urbana-Champaign Senate recommend a change in the fourth year of the curriculum in Painting to eliminate Art 248 (Special Problems) and to add the two hours freed by this action to the general elective requirements. Total electives for the fourth year would then be redistributed to three hours in each semester.

The change reflects the intent of the Department of Art to make improved use of visiting artists (who normally offer the course indicated) by giving them broader assignments and by using additional time saved to bring to the campus distinguished teachers as well as visiting artists.

The Senate Coordinating Council has been consulted and states that no other Senate jurisdiction is involved.

I recommend approval.

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

POLICY CONCERNING STUDENT HOUSING

(22) In February, 1962, the Board of Trustees reaffirmed its traditional policy of non-discrimination in all of its operations and acted to particularize the policy with regard to the housing of students in Urbana-Champaign. Accordingly, at that time the Board adopted the following statement of policy:

The Board of Trustees of the University of Illinois reaffirms its position that discriminatory practices based on considerations of race, creed, or national origin affect the general welfare of its students and are detrimental to a proper educational environment. So far as may be practicable and consistent with its paramount obligation to provide appropriate facilities for higher education of qualified students, the Board will discourage, limit, or seek to eliminate student involvement in such discriminatory practices. The Board now deems it appropriate to particularize this policy further as it relates to the housing of students at the Urbana-Champaign campus. It is therefore determined that:

From and after September 1, 1965, single undergraduate students will not be permitted to reside in commercially-operated rooming houses in which the occupants are selected on the basis of race, creed, or national origin. There may be excepted from the foregoing a residence in any facility which is the private home of the landlord and in which no more than three rooms are rented.

In succeeding months the results have been encouraging: over two-thirds of the spaces in private approved housing now are covered by landlords' pledges of non-discrimination and it is expected that by September, 1965, nearly all approved housing spaces will be so covered. The fraction of spaces covered in February, 1962, was approximately one-half. In addition, the University has received pledges of non-discrimination from those who wish to make use of University listing services in offering housing which does not require approval, i.e., apartments and rooms for graduate and other students not required to live in approved housing.

Although the exclusion feature of the February, 1962, policy statement (the final sentence which excepts private homes in which no more than three rooms are rented) was a common one and is a part of the federal law, its removal now will give further emphasis to University policies—the objective being to encourage a proper educational environment by discouraging student involvement in discriminatory practices.

The number of housing places affected by such a change is 225 places or about six per cent of the total supply of private approved housing, and will not affect in any material way the University's fulfillment of its obligation to provide qualified students appropriate facilities for higher education. September, 1966, is a fair deadline for this change.

Upon the recommendation of the Director of Housing, the Director of Auxiliary Services, the Dean of Students, and the Executive Vice-President and Provost, the following amendment (a substitution for the last sentence) to the Statement of Policy adopted by the Board on February, 1962, is submitted for approval:

There may be excepted from the foregoing until September 1, 1966, a residence in any facility which is the private home of the landlord and in which no more than three rooms are rented.

I concur.

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

SUPPLEMENTAL AGREEMENTS WITH THE THREE ARMED FORCES DEPARTMENTS TO CHANGE THE UNIVERSITY'S R.O.T.C. PROGRAMS AS ALLOWED UNDER THE NEW "R.O.T.C. VITALIZATION ACT"

(23) The new R.O.T.C. Vitalization Act (Public Law 88-647) authorizes three possible patterns of military instruction at institutions of higher education: (1) a

four-year program only (two years of basic and two years of advanced instruction); (2) a two-year program of advanced instruction only (with a summer of intensive training preceding the junior year); (3) both the two-year and the four-year programs offered concurrently. Only students electing the four-year program are eligible for the scholarships provided under Public Law 88-647.

All three of the Armed Forces departments have announced that they will provide R.O.T.C. instruction in accordance with any one of the foregoing patterns. Each institution is asked to designate its choice among these options, and to negotiate supplemental agreements with the three military departments if any changes in the existing Army, Navy, or Air Force programs are desired.

The University Committee on Military Affairs recommends that the University offer: (1) both two-year and four-year programs of military instruction at Urbana-Champaign (Army, Navy, Air Force); (2) the Army two-year and four-year programs of military instruction at Chicago Circle. (Neither the Navy nor the Air Force is able to provide military instruction at Chicago Circle.) The Executive Vice-President and Provost approves this recommendation and recommends further that the Board of Trustees authorize the negotiation of the required supplemental agreements with the Secretary of the Army, the Secretary of the Navy, and the Secretary of the Air Force.

I concur.

At the University of Illinois, the Department of Air Science—Air Force R.O.T.C.—has been renamed “Department of Air Force Aerospace Studies.”

On motion of Mr. Dilliard, this recommendation was approved, and authority was given as requested.

CHICAGO CIRCLE STUDENT UNION SERVICE CHARGE

(24) On December 16, 1964, the Board of Trustees authorized the assessment of the Chicago Circle Student Union service fee beginning with the 1965 Summer Session on the basis of information that the building would be completed in the spring and in operation in the summer. Since the scheduled opening of the building has now been delayed, it is recommended that assessment of the service fee be deferred until September, 1965.

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

WORKING CASH FUND FOR CHICAGO CIRCLE

(25) The Vice-President and Comptroller recommends authorization of a working cash fund of \$25,000 to meet the needs of the Business Office at Chicago Circle. This amount can be transferred from the Urbana working cash fund.

It is further recommended that a new bank account be established at the First National Bank of Chicago entitled “University of Illinois at Chicago Circle, R. R. Manchester, University Treasurer.”

I concur.

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

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

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

Urbana-Champaign

Renovation and remodeling for which the funds are assigned to the

Physical Plant Department:

Remodeling in the Administration Building.....	\$ 32 720 00
Heating, air conditioning, and ventilating system in the Electrical Engineering Building	43 500 00
Construction of an Illini Forum area southeast of Harker Hall..	4 007 00
<i>Total for Urbana-Champaign.....</i>	<i>(80 227 00)</i>

Medical Center, Chicago

Research and Educational Hospitals, remodeling for a cafeteria for nursing personnel

\$ 10 900 00

Chicago Circle

Wages, expense, and equipment to supplement regular departmental budget appropriations	279 643 00
Department of Chemistry, special equipment.....	72 316 00
Department of Geology, special equipment.....	41 980 00
Library additions.....	100 000 00
<i>Total for Chicago Circle</i>	(493 939 00)
<i>Grand Total</i>	\$585 066 00

I concur.

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

**CONTRACTS FOR NEW SEATING AND RESILIENT FLOORING
IN DENTISTRY-MEDICINE-PHARMACY BUILDING**

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommended award of contracts for new seating and resilient flooring in lecture rooms 221 and 423 of the first unit Dentistry-Medicine-Pharmacy Building at the Medical Center, the award in each case being to the lowest acceptable bidder:

Resilient flooring — Gateway Floor Corporation, 5409 West Lake Street, Melrose Park, Illinois.....	\$ 2 579
Seating — Chicago Seating Company, 801 Burlington, Downers Grove, Illinois.....	18 480
<i>Total</i>	\$21 059

The work will include removing and replacing the seats and tile flooring in rooms 221 and 423. The existing seats and tile flooring were installed more than thirty years ago when the building was built and are of the unupholstered variety. The new upholstered seats and new tile flooring will provide a better environment for the functions held in these rooms.

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

A supporting memorandum from the Physical Plant, including a schedule of the bids received, is submitted herewith, and a copy is being filed with the Secretary.

I concur.

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

CONTRACT FOR REPAIRS TO ARMORY ROOF SKYLIGHT

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contract for \$15,910 to Industrial Roofing Company, Mattoon, for repairs to the Armory roof skylight.

Funds are available in the Physical Plant Department budget.

I concur.

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

**CONTRACT FOR EXTENSION AND REPLACEMENT
OF UNDERGROUND UTILITIES**

(29) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$54,248 to Robert Gordon, Inc., Chicago, for

pipng installations for extension of steam services to Morrill Hall Addition and replacement of piping for steam services to Allen Hall.

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

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

I concur.

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

CONTRACT WITH THE NORTHERN ILLINOIS WATER CORPORATION

(30) The Director of the Institute of Aviation and the Vice-President and Comptroller recommend authorization of an agreement with the Northern Illinois Water Corporation for the installation of twelve- and eight-inch water mains to the airport entrance road and through the south part of the golf course. The total cost of this construction will be \$26,710 of which the water company will pay \$7,939, making a net cost to the University of \$18,771.

Funds are available in the appropriation previously made by the Board of Trustees for a water distribution system.

I concur.

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

CONTRACT WITH ILLINOIS POWER COMPANY FOR PURCHASE OF POWER AT URBANA-CHAMPAIGN

(31) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with the Illinois Power Company for the purchase of up to 8,000 KW of three-phase electric energy at approximately 4,160 volts to supplement the generating capacity of the Abbott Power Plant in accordance with the following terms and conditions:

1. The Company will install, own, and operate and maintain a substation of adequate capacity to furnish the electrical requirements on University property adjacent to the Abbott Power Plant at no expense to the University.
2. The University will pay for the cost of the electrical energy in accordance with the rates and charges and upon the terms and conditions set forth in the Illinois Power Company's service classification 21 and riders A, B, and C, Illinois Commerce Commission number 5 and the applicable rules, regulations, terms, and conditions, all of which are now on file with the Illinois Commerce Commission as part of the Illinois Power Company's electric rate schedule.
3. The contract shall not become effective or binding until approved by order of the Illinois Commerce Commission.
4. The contract term shall be for a period commencing July 1, 1965, and ending June 30, 1967, and shall be subject to renewal for successive twenty-four-month periods.

The University's building program for the biennium 1963-65 included a request for funds for the expansion of the Abbott Power Plant which would have met the electric requirements of the Urbana-Champaign campus. However, sufficient funds were not appropriated and it is now necessary to contract for additional power to supplement the capacity of the Abbott Power Plant to meet the demands caused by new buildings now under construction or planned for completion in the next biennium.

Expenditures under this contract will be from the 1965-66 Operation and Maintenance budget of the Physical Plant Department.

I concur and recommend that the Comptroller and the Secretary of the Board of Trustees, with the concurrence of the Legal Counsel, be authorized to execute such an agreement with the Illinois Power Company.

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

TRANSFER OF JURISDICTION OF PROPERTY FOR CONSTRUCTION OF VETERINARY MEDICINE CLINIC AND HOSPITAL BUILDING

(32) The Illinois Building Authority has requested the Board of Trustees of the University of Illinois to transfer the real estate and jurisdiction thereof which constitutes the site of the Veterinary Medicine clinic and hospital building (Phase 1 of the program for construction of the Veterinary Medicine Complex) to be constructed by the Authority for the University under a lease agreement authorized by the Board on February 19, 1964.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend the adoption of the following resolution to authorize the transfer requested by the Illinois Building Authority.

I concur.

Resolution

WHEREAS The Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that the Illinois Building Authority construct a Veterinary Medicine Clinic and Hospital Building in Urbana, Illinois for and on behalf of The Board of Trustees of the University of Illinois; and

WHEREAS for that purpose it will be necessary for the Illinois Building Authority to acquire the real estate and jurisdiction thereof upon which said Veterinary Medicine Clinic and Hospital Building will be located; and

WHEREAS The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois with its principal office in Urbana, Illinois, has been requested by the Illinois Building Authority to transfer the real estate and jurisdiction thereof for the construction of the Veterinary Medicine Clinic and Hospital Building.

Now, therefore, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That the Comptroller and the Secretary of The Board of Trustees of the University of Illinois be and they are authorized to execute, acknowledge and deliver in the name and on behalf of this corporation an instrument of transfer of jurisdiction of the following described property to the Illinois Building Authority to wit:

Situated in the State of Illinois, the County of Champaign, in Section 19, Township 19 North, Range 9 East of the Third Principal Meridian, and being more fully described as follows:

Beginning at a point 20.0 feet distant South of and 33.0 feet distant West of the SE Corner of the NE $\frac{1}{4}$ of said Section 19, said point being on the West property line of S. Lincoln Avenue Road and being marked with an iron pipe monument; thence Westerly along a line parallel to the South line of said NE $\frac{1}{4}$ of Section 19, a distance of 933.0 feet to a corner, said corner being marked with an iron pipe monument; thence Northerly along a line parallel to the West line of the SE $\frac{1}{4}$ of said NE $\frac{1}{4}$ of Section 19, a distance of 100.0 feet to a corner, said corner being marked with an iron pipe monument; thence Westerly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 180.0 feet to a corner, said corner being marked with an iron pipe monument; thence Northerly along a line parallel to the said West line of the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, a distance of 80.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 85.0 feet to a corner, said corner being marked with an iron pipe

monument; thence Northerly along a line parallel to the said West line of the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, a distance of 140.0 feet to a corner, said corner being marked with an iron pipe monument, thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 75.0 feet to a corner, said corner being marked with an iron pipe monument; thence Northerly along a line parallel to the said West line of the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, a distance of 100.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 82.0 feet to a corner, said corner being marked with an iron pipe monument; thence Northerly along a line parallel to the said West line of the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, a distance of 295.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 65.0 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the East line of said Section 19, a distance of 187.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 40.0 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the said East line of Section 19, a distance of 116.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 168.0 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the said East line of Section 19, a distance of 90.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 51.0 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the said East line of Section 19, a distance of 282.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the said South line of the NE $\frac{1}{4}$ of Section 19, a distance of 547.0 feet to a corner on the West property line of said South Lincoln Avenue Road and being marked with an iron pipe monument; thence Southerly along the said West property line of South Lincoln Avenue Road, a distance of 40.0 feet to the place of beginning, containing 5.31 acres, more or less.

Being the site upon which the Illinois Building Authority is to construct and complete the Veterinary Medicine Clinic and Hospital Building.

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

TRANSFER OF JURISDICTION OF PROPERTY FOR CONSTRUCTION OF FIRE TRAINING BUILDING AND RELATED FACILITIES

(33) The Illinois Building Authority has requested the Board of Trustees of the University of Illinois and the Department of Public Safety of the state of Illinois jointly to transfer the real estate and jurisdiction thereof which constitutes the site of the Fire Training Building and Related Facilities to the Illinois Building Authority pursuant to the Illinois Building Authority Act so that said Fire Training Facilities may be constructed thereon.

The Seventy-third General Assembly has declared the construction of such Fire Training Facilities for and on behalf of the Department of Public Safety to be in the public interest.

The Department of Public Safety has agreed that said real estate and jurisdiction thereof is to be returned to the University when the terms of the Department's lease with the Illinois Building Authority have been complied with.

The Vice-President and Comptroller and the Director of the Physical Plant recommend the adoption of the following resolution to authorize the transfer requested by the Illinois Building Authority.

I concur.

Resolution

WHEREAS The Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that the Illinois Building Authority construct a Fire Training Building and Related Facilities, Urbana-Champaign, Illinois for and on behalf of the Department of Public Safety of the State of Illinois; and

WHEREAS for that purpose it will be necessary for the Illinois Building Authority to acquire the real estate and jurisdiction thereof upon which said Fire Training Building and Related Facilities will be located; and

WHEREAS The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois with its principal office in Urbana, Illinois, has been requested by the Director of the Department of Public Safety to join with that Department in transferring to the Illinois Building Authority jurisdiction of the real estate for the construction of the Fire Training Building and Related Facilities.

Now, therefore, be it and it is hereby resolved by the Board of Trustees of the University of Illinois as follows:

Section 1. That the Comptroller and Secretary of The Board of Trustees of the University of Illinois be and they hereby are authorized to execute, acknowledge and deliver in the name and on behalf of this corporation an instrument of transfer of jurisdiction of the following described property to the Illinois Building Authority to wit:

Situated in the State of Illinois, the County of Champaign, and being a part of the $S\frac{1}{2}$ $S\frac{1}{2}$ of section 24 Township 19 North and range 8 East of the Third Principal Meridian, and more fully bounded and described as follows:

Beginning at a corner of the North line of the $S\frac{1}{2}$ $S\frac{1}{2}$ of said section 24, said corner being 170.0 feet East of the NE corner of the $SW\frac{1}{4}$ $SE\frac{1}{4}$ of said section 24 and being marked with an iron pipe monument; thence southerly along a line parallel to the East line of the $SW\frac{1}{4}$ $SE\frac{1}{4}$ of said section 24, a distance of 80.0 feet to a corner, said corner being marked with an iron pipe monument, thence westerly along a line parallel to the said North line of the $S\frac{1}{2}$ $S\frac{1}{2}$ of section 24, a distance of 170.0 feet to a corner, said corner being marked with an iron pipe monument; thence southerly along the said East line of the $SW\frac{1}{4}$ $SE\frac{1}{4}$ of Section 24, a distance of 120.0 feet to a corner, said corner being marked with an iron pipe monument; thence westerly along a line parallel to the said North line of the $S\frac{1}{2}$ $S\frac{1}{2}$ of section 24, a distance of 420.0 feet to a corner, said corner being marked with an iron pipe monument; thence southerly along a line parallel to the said East line of the $SW\frac{1}{4}$ $SE\frac{1}{4}$ of section 24, a distance of 500.0 feet to a corner, said corner being marked with an iron pipe monument; thence westerly along a line parallel to the said North line of the $S\frac{1}{2}$ $S\frac{1}{2}$ of section 24, a distance of 200.0 feet to a corner, said corner being marked with an iron pipe monument; thence northerly along a line parallel to the said East line of the $SW\frac{1}{4}$ $SE\frac{1}{4}$ of section 24, a distance of 200.0 feet to a corner, said corner being marked with an iron pipe monument; thence easterly along a line parallel to the said North line of the $S\frac{1}{2}$ $S\frac{1}{2}$ of section 24, a distance of 150.0 feet to a corner, said corner being marked with an iron pipe monument; thence northerly along a line parallel to the said East line of the $SW\frac{1}{4}$ $SE\frac{1}{4}$ of section 24, a distance of 500.0 feet to a corner, on the said North line of the $S\frac{1}{2}$ $S\frac{1}{2}$ of section 24, said corner being marked with an iron pipe monument; thence easterly along said North line of the $S\frac{1}{2}$ $S\frac{1}{2}$ of section 24, a distance of 640.0 feet to the place of beginning, containing 4.19 acres, more or less.

in such terms as will permit said Illinois Building Authority to construct thereon said Fire Training Building and Related Facilities and lease same to the Department of Public Safety of the State of Illinois.

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

EASEMENTS TO COMMONWEALTH EDISON COMPANY

(34) The Director of the Physical Plant and the Vice-President and Comptroller recommend that easements be granted the Commonwealth Edison Company:

At the Medical Center for extension of utilities to supply electric service to the former Board of Education warehouse, now owned by the University; and

In DeWitt County for construction of a high-voltage transmission line across the corner of a property consisting of eighty acres of farm land, which the University will receive through a bequest of Grace V. Campbell, deceased, upon termination of a trust under which her niece has a life interest. The Company requests a 150 foot easement, and will pay the University \$300 for permission to construct a tower on the land, plus \$50 per acre for the land included within the easement strip, the same rates being paid other landowners.

I concur and submit resolutions to implement these easements.

Resolution

WHEREAS, the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, is the owner of the following described premises:

Lots 11 to 26, both inclusive, and Lots 53 to 58, both inclusive in Potter Palmers Subdivision of Lot 11 and that part of Lot 12 lying South of Polk Street (except Winchester Avenue) in Codwise's Subdivision of the West half of the Southeast quarter of Section 18, Township 39 North, Range 14 East of the Third Principal Meridian (except 1 chain and 37 links all along the left side thereof);

Situated in the City of Chicago, County of Cook, State of Illinois.

AND, of the hereinafter described strips of land being certain portions of former public alleys adjacent to said premises, as vacated by ordinance of the City Council of the City of Chicago as noted in their Minutes of November 16, 1964, Page 3322, and described in that certain document No. 19323647, recorded December 3, 1964, at the Recorder's Office, Cook County, Illinois;

Be It, and It Is Hereby Resolved by this Board of Trustees of the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to the Commonwealth Edison Company, an Illinois Corporation, hereinafter referred to as "GRANTEE," its successors and assigns, the right, permission, and authorization to construct, operate, use, maintain, repair, relocate, replace, renew and remove, poles, cross-arms, wires, cables, conduit and other overhead and underground equipment, or both, for the transmission and distribution of electrical energy in, under, over, across and along the strips of land hereinafter described, with the right of ingress to and egress from said land at all times for any and all such purposes. It is an express condition of this grant that Grantee shall, upon the written request of the Grantor, or any successor in title, and upon sixty (60) days written notice from said Grantor, move and relocate its equipment to another suitable location on said land, upon said Grantor, or any successor in title, paying to Grantee the cost and expense incurred by reason thereof. In case a building or structure is to be erected in dangerous proximity to said equipment, said Grantor, its successor and assigns, shall notify Grantee prior to the construction of any such building or structure, and Grantee shall move and relocate its equipment to another suitable location on said land to provide safe clearance, upon said Grantor, its successors and assigns, paying to Grantee its cost and expense incurred by reason thereof.

If such relocation on said easment is not feasible for any reason, said Grantor, its successors and assigns, shall furnish to Grantee, without cost and expense to said Grantee, a good and sufficient easement substantially in the form of this Agreement for said equipment at a location satisfactory to Grantee and said Grantee shall move and relocate its equipment to such location upon said Grantor, its successors and assigns, paying to Grantee its cost and expense incurred by reason thereof.

The right-of-way easement shall terminate ninety (90) days after the Grantee ceases to use said facility for rendition of services. The right-of-way easement shall be located upon, over, and under said part of property of said Grantor described as follows:

That part of the East 10 feet of the North and South vacated public alley, 16 feet wide, lying West of and adjoining the West line of Lots 53 to 58, both inclusive, and said West line extended North, which lies South of the South line of Lots 15 and 16 and lies North of a line 160 feet South of and parallel to the South line of the said Lots 15 and 16, as measured along the West line of Lots 53 to 58, all in Potter Palmer's Subdivision, aforesaid;

ALSO

That part of the North 10 feet of the East and West vacated public alley 16 feet wide, lying South and adjoining the South line of Lots 15 to 20, both inclusive, which lies East of the West line of said Lot 20, extended South and lies West of the West line of Lots 53 to 58 extended North, all in Potter Palmer's Subdivision, aforesaid.

On motion of Mr. Johnston, this resolution was adopted.

Resolution

Be It, and It Is Hereby Resolved by the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this corporation be, and they hereby are, authorized, for and on behalf of, and in the name of, this public corporation, to make, execute, acknowledge and deliver such documents and instruments in writing as to them may seem necessary and desirable to convey and grant to Commonwealth Edison Company, to the extent that this public corporation's interest in the hereinafter described property will permit, a right-of-way and easement for the purpose of the construction, reconstruction, renewal, operation, use, patrolling and maintenance of an electric transmission line, including towers, underground counterpoise and necessary fixtures and conductors attached thereto, in, over, upon and through the following described property:

A strip of land 145 Feet in width perpendicularly to the center line, which center line shall be the center line of the transmission line mentioned above, and which center line shall be located on or within 100 Feet of a line extending Northeastwardly from a point on the West line of the East one-half of the Northwest Quarter of Section 9 which is Nine Hundred Fifteen Feet (915) South of the Northwest corner of said property, to a point on the North line of said property which is Eight Hundred Seventy-five (875) Feet West of the Northeast Corner thereof, all in Township 20 North, Range 1 East of the Third Principal Meridian, DeWitt County, Illinois;

together with the right to cut, trim and control the growth of trees and bushes on said easement strip, and the right of access thereto; to have and to hold for so long as said property, right-of-way and easement shall be used for the purposes hereinbefore described, but all rights and interests herein granted shall terminate immediately upon cessation or abandonment of said use by Grantee, without further act or deed; in consideration of the payment by Grantee to Grantor of the sum of \$50.00 per acre for all land included within the easement strip plus \$300.00 for each tower constructed on said premises, and of Grantee's promise to pay for all damage done.

On motion of Mr. Johnston, this resolution was adopted.

**ADDITION TO CONTRACT FOR CONSTRUCTION OF ADDITION
TO EAST CHEMISTRY BUILDING**

(35) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$4,638.26 in the contract with Kuhne-Simmons Co., Inc., Champaign, for construction of the addition to the East Chemistry Building to provide for revisions and additions in the basement machine shop area.

Funds are available in the construction budget.

I concur.

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

**ADDITION TO CONTRACT FOR CONSTRUCTION
OF MATERIALS RESEARCH LABORATORY**

(36) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$2,666.60 in the contract with Johnson, Drake & Piper, Incorporated, Terre Haute, Indiana, for construction of the Materials Research Laboratory to include installation of mechanical decontaminating floor mats and related equipment in the entrance areas of the mass spectroscopy and emission spectroscopy rooms.

Funds are available in the construction budget for this work.

I concur.

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

**ADDITION TO CONTRACT FOR CENTRAL NATIONAL BANK BUILDING
REMODELING AT CHICAGO CIRCLE**

(37) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$23,243 in the contract with Mutual Contracting Company, Chicago, for remodeling the Central National Bank Building at Chicago Circle, to provide a suitable subbase for paved parking areas adjacent to the building.

The University contract documents for the construction of the parking lot assumed an adequate subbase. The fill material left by the wrecking contractor, employed by the Department of Urban Renewal, did not provide this base, and therefore, some material must be removed and the area backfilled with compacted clay.

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

I concur.

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

**ADDITION TO CONTRACT FOR CONSTRUCTION OF CHICAGO CIRCLE
SITE DEVELOPMENT AND LECTURE CENTER**

(38) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$6,452.98 in the contract with Gust K. Newberg Construction Co., Chicago, for Site Development and Lecture Center work at Chicago Circle to provide temporary parking facilities for occupants of University Hall (Staff and Administration Building) until the permanent parking area No. 1 can be completed.

The work includes grading and surfacing with crushed stone the area bounded by Morgan Street, Harrison Street, Vernon Park Place, and vacated Carpenter Street.

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

I concur.

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

**ADDITION TO CONTRACT FOR CONSTRUCTION OF UNION
BUILDING AT CHICAGO CIRCLE**

(39) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,607.74 in the contract with Power Construction, Inc., Oak Park, for modifications in the fire alarm system in the Chicago Circle Union Building.

To comply with recent suggestions of the Chicago Fire Department, the main fire alarm punch register, which identifies the location of source of the alarm within the building complex, will be relocated at the first-floor level entrance. The work will also include installation of an additional fire alarm register in the administrative office areas.

Funds are available from the sale of revenue bonds to finance construction of the Union Building.

I concur.

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

ADDITION TO CONTRACT FOR ARCHITECTURAL SERVICES FOR UNION BUILDING AT CHICAGO CIRCLE

(40) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a change in the contract with C. F. Murphy Associates, Inc., Chicago, for architectural services for the Union Building at Chicago Circle to include coordination and design services on items not covered in the present contract, including selection of china, and other dining room service equipment, graphics, paperware in the snack bar, and other miscellaneous projects. The additional services will be reimbursed in accordance with terms of the original contract, i.e., at usual and customary hourly rates for technical personnel plus 100 per cent for overhead and commission.

The estimated cost of the above services is \$6,000 for which funds are available from the sale of revenue bonds for the construction of the Union Building and parking facilities.

I concur.

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

EMPLOYMENT OF ENGINEERS, URBANA-CHAMPAIGN

(41) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the following firms for engineering services including design and preparation of bid documents for the projects, and on the terms indicated:

Sargent & Lundy, Engineers, Chicago

Extensions of steam and electric utility systems to serve the Florida Avenue Residence Halls, the Krannert Center for the Performing Arts, the Psychology Building, the Addition to the Women's Gymnasium, the Physical Education Building, the Faculty Center, the Coordinated Science Laboratory, and the Undergraduate Library

Fee

Same as present Sargent & Lundy contract¹

Wilson and Anderson, Champaign

Extensions of storm sewers for the Krannert Center for the Performing Arts, the Addition to the Women's Gymnasium, the Civil Engineering Building, the Coordinated Science Laboratory, the Psychology Building, and the Faculty Center

Schedule A of minimum fees of Illinois Society of Professional Engineers

Extension of sanitary sewers for the Psychology Building, the Addition to the Women's Gymnasium, and the Undergraduate Library

Schedule A of minimum fees of Illinois Society of Professional Engineers

Extensions of water mains for the Krannert Center for the Performing Arts, the Addition to the Women's Gymnasium, the Physical Education Building, the Psychology Building, and the Undergraduate Library

Schedule A of minimum fees of Illinois Society of Professional Engineers

Extension of main interceptor storm sewer for the Physical Education Building

Schedule B of minimum fees of Illinois Society of Professional Engineers

Funds for these services, through June 30, 1965, are available from the Universities Building Fund, and all subsequent costs will be paid from the construction funds.

¹ The present Sargent & Lundy fee is based on a current expense charge for engineering and drafting at actual salaries and wages, plus 50 per cent of the stenographic and clerical services and travel expenses and miscellaneous expenses at actual cost and a fixed fee charge of 1½ per cent of the mutually agreed estimate of the cost of the project to completion exclusive of charges included above and the University's engineering supervisory and overhead costs. If a resident field engineer is requested, the service will be billed at actual salary plus 15 per cent, plus traveling and field expenses.

The Committee on Buildings and Grounds and the Advisory Committee on the Selection of Architects and Engineers have been consulted and support these recommendations.

I concur.

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

EMPLOYMENT OF SPECIAL COUNSEL

(42) The Board has authorized the Legal Counsel to take such steps as are necessary or appropriate, including employment of special counsel, to defend Dr. Warren H. Cole and Dr. Danely Slaughter of the College of Medicine who have been named as defendants, along with others, in litigation instituted by a number of persons seeking an injunction to restrain interference with the distribution and use of Krebiozen, and also asking compensation for damages.

Former President George D. Stoddard is also a defendant in the litigation. Since his involvement is related to official actions taken by him as President of the University, he has indicated, through his own attorney, his desire to have the University provide counsel to defend his legal rights in the matter. It is recommended that the above authorization be extended to include the defense of former President George D. Stoddard.

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

ENGINEERING HALL

(43) The Dean of the College of Engineering has recommended that the new building being constructed for the Department of Civil Engineering be named officially "Civil Engineering Hall"; and that the name of the building now known as "Civil Engineering Hall" be changed back to "Engineering Hall," the name given the building when it was constructed in 1894. "Engineering Hall" was renamed "Civil Engineering Hall" when the present Electrical Engineering Building and Mechanical Engineering Building were constructed.

With the completion in the near future of the new Civil Engineering Building, the above changes are necessary to avoid confusion.

I concur.

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

CENTENNIAL YEAR

(44) The Board of Trustees has previously approved the designation of the period from February 28, 1967, to March 2, 1968, as the official calendar for the observance of the University of Illinois Centennial. The Act of the General Assembly of Illinois creating the Illinois Industrial University, now the University of Illinois, was signed by Governor Richard J. Oglesby on February 28, 1867, and the University came into legal being on that date. The first meeting of the first Board of Trustees was held on March 12 of that year. The University opened on March 2, 1868, and the official program inaugurating the Illinois Industrial University was held on March 11 of that year. Accordingly, I propose that the official terminal date be changed to March 11, 1968.

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

PURCHASES

(45) The President submitted a report of purchases authorized by his office, on recommendation of the Director of Purchases and the Vice-President and Comptroller. He also presented a list of purchases recommended by him.

The reports 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 \$ 745 802 25

From Institutional Funds

Purchases Authorized \$ 8 700 00

Purchases Recommended 745 802 25

Grand Total \$ 754 502 25
\$1 125 741 73

A complete list of the purchases authorized and the 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 President's approval of purchases was confirmed and purchases he recommended were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

(46) The Comptroller's report of contracts executed during the period March 1 to 31, 1965.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Hoffman-LaRoche, Inc.	Effects of sulfonamides on the nutrition of the non-ruminant	\$ 4 000 00	March 19, 1965
The Norwich Pharmacal Company	Relationship of endometrial changes to the species of bacterial organism present	8 705 00	March 19, 1965
State of Illinois, Department of Mental Health	Normal dreaming and drug induced hallucinations	25 680 00	February 15, 1965
United States Agency for International Development AID/fe-142	Potential for establishing a university to university industrial extension project, in the Philippines	6 000 00	January 23, 1965
United States Air Force AF33(615)-2406	Response of nonlinear structures to random excitations	25 000 00	March 4, 1965
United States Air Force AF41(609)-2655	Blood flow and rate of gaseous nitrogen elimination of anesthetized dogs exposed to simulated altitude	8 332 00	February 19, 1965
United States Air Force AF-AFOSR-272-65	Source-detector studies in the sub-millimeter region	63 400 00	February 1, 1965
United States Air Force AF-AFOSR-390-65	Modulation and detection of coherent optical radiation	89 050 00	February 1, 1965
United States Air Force AF-AFOSR-889-65	Anatomy of insect central nervous systems	15 693 00	March 1, 1965
United States Bureau of Public Roads CPR-11-2558	Traffic accident reporting system	10 000 00	March 15, 1965
United States Bureau of Ships NObs-92226	Effects of internal weld defects on fatigue behavior	60 000 00	March 18, 1965
United States Department of Health, Education, and Welfare OE-4-20-002	Transfer as a psychological and educational process	149 156 00	June 30, 1964
United States Department of the Interior 14-08-0001-9811	Training course in geodesy and photogrammetry	19 300 00	February 19, 1965
United States Navy N123-(953)52765A	Discrete and sampled-data control systems	24 277 00	February 1, 1965
<i>Total</i>		<u>\$508 593 00</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Board of Trustees of Southern Illinois University (subcontract of Illinois Board of Economic Development)	Economic studies for statewide planning	\$28 715 00	January 1, 1965
J. P. Marlowe and Associates	Orchestra for dance	370 00	February 27, 1965
J. P. Marlowe and Associates	Orchestra for concert	337 00	March 18, 1965
<i>Total</i>		<u>\$29 422 00</u>	

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Harvester Company	Farm machinery: five items	\$ 893 00 (annual rental)	July, August, September, and October, 1964
New Idea Farm Equipment Co.	Farm machinery: three items	406 00 (annual rental)	July, 1964
Young Men's Christian Association of Metropolitan Chicago	Lease of Duncan Monroe Building, 1515 W. Monroe St., and Duncan Ashland Building, 101 S. Ashland, Chicago	9 200 00 rental (February 15-June 30)	February 15, 1965
<i>Total</i>		<u>\$10 499 00</u>	

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Crop-Hail Insurance Actuarial Association	Hail risk analysis for Illinois	\$ 9 000 00	February 10, 1965
Shell Chemical Corporation	Chlorinated hydrocarbon compounds as insecticides	2 500 00	February 10, 1965
State of Illinois, Department of Conservation	Performance of small dams in view of improving design and construction practice	5 000 00	February 14, 1965
United States Air Force AF29(601)-6101	Fabrication and installation of 4 ft. diameter dynamic gas loading facility	31 000 00	February 10, 1965
United States Air Force AF30(602)-3946	Submillimeter wave receiver techniques	3 500 00	March 2, 1965
United States Air Force AF33(657)-10822	Deformation and fracture of crystalline solids under dynamic loading	31 854 00	April 1, 1965
United States Army DA-11-032-Civeng-65-15	Water resource planning	639 00	March 1, 1965
United States Army DA-28-043-AMC-00073 (E)	Military applications in accordance with technical guide lines	1 200 000 00	February 26, 1965
United States Atomic Energy Commission AT(11-1)-1142	Kinetic isotope effects and related chemical kinetic problems	46 000 00	February 1, 1965
United States Department of Health, Education, and Welfare PH43-62-467	Medical supervision, control, and coordination of clinical evaluation studies in cancer chemotherapy	6 885 00	March 1, 1965
United States Department of the Interior 1410-0529-2743	Archeological survey and site salvage of the Shelbyville reservoir area and Henderson River flood control project	2 500 00	February 10, 1965
United States Navy Nonr-1834(22)	Radio astronomy	3 500 00	March 9, 1965
United States Navy Nonr-3985(02)	Biophysical and biochemical studies on electrical organs and muscle membranes of fish	16 564 00	March 9, 1965
<i>Total</i>		<u>\$1 358 942 00</u>	

Adjustments Made in 1964-65 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
George S. Grimmett and Company (Plastering)	Fourteen items from deduct \$83.66 to add \$1,750.00	\$ 5 955 00	January, February, and March, 1965

Summary

Amount to be paid to the University.....	\$1 867 535 00
Amount to be paid by the University.....	45 876 00

This report was received for record.

ANNUAL REPORT OF THE TREASURER

(47) In accordance with the By-Laws of the Board of Trustees, the Treasurer of the University has submitted a report of receipts and disbursements of University

funds in his custody for the period March 1, 1964, to February 28, 1965, certified by the Comptroller. A copy of this report was sent to each member of the Board of Trustees prior to today's meeting, and a copy is filed with the Secretary of the Board.

This report was received for record.

CAPITAL APPROPRIATIONS FOR 1965-67

(48) On March 30 Governor Kerner presented his budget to the General Assembly for the state of Illinois for 1965-67. In his message the Governor identified the great needs in higher education during the immediate years ahead and made extraordinary provision for a program toward meeting these needs as they have been outlined by the Board of Trustees of the University of Illinois and by the Illinois Board of Higher Education.

The Governor's recommendations for *operating* funds for the University of Illinois are identical with those of the Board of Higher Education; these were accepted by the Board of Trustees on January 20, 1965.

In considering *capital* appropriations for the University of Illinois, the Governor made recommendations which require adjustment of the original request of the Board of Trustees and of the recommendations of the Board of Higher Education. In compliance with the Governor's recommendations for capital funds, a request as outlined in the following schedules is submitted for the approval of the Board of Trustees with authorization to the President to present such a request to appropriate state agencies and to committees of the General Assembly.

Capital Budget from State Funds 1965-67 As Provided in Revised Governor's Budget

	Approved by Board of Higher Education	Governor's Budget		
		Building Authority	General Revenue	Reduction
Chicago Circle Campus				
Classroom Complex.....	\$ 1 300 000	\$ 1 300 000	\$	\$
Engineering and Sciences Laboratories.....	9 565 000	9 565 000	.....	.....
Engineering and Sciences Offices.....	5 280 000	5 280 000	.....	.....
Library.....	3 990 000	3 990 000	.....	.....
Art and Architecture Laboratories.....	3 645 000	3 645 000	.....	.....
Physical Education Building...	4 735 000	4 735 000	.....	.....
Planning Funds (Phase III)...	1 295 000	.....	800 000	495 000
Campus Improvement Projects	1 260 000	.....	1 260 000	.....
Heating Plant Addition and Utilities Distribution System.....	1 930 000	1 930 000	.....	.....
Total, Chicago Circle....	(33 000 000)	(30 445 000)	(2 060 000)	(495 000)
Medical Center Campus				
College of Nursing.....	2 800 000	2 800 000	.....	.....
East Dentistry-Medicine-Pharmacy Building Addition...	2 400 000	2 400 000	.....	.....
Medical Sciences Addition.....	920 000	920 000	.....	.....
Remodeling, Rehabilitation, and Minor Additions.....	1 183 000	.....	300 000	883 000
Protection of Life and Property	324 000	.....	275 000	49 000
Public Improvement Projects...	70 000	.....	70 000	.....
Total, Medical Center....	(7 697 000)	(6 120 000)	(645 000)	(932 000)
Urbana-Champaign Campus				
Civil Engineering Building....	1 630 000	1 630 000	.....	.....
Psychology Department Building.....	4 040 000	4 040 000	.....	.....

<i>Urbana-Champaign Campus</i> (Continued)	<i>Approved by</i> <i>Board of</i> <i>Higher</i> <i>Education</i>	<i>Governor's Budget</i>		<i>Reduction</i>
		<i>Building</i> <i>Authority</i>	<i>General</i> <i>Revenue</i>	
Undergraduate Library Building.....	\$ 2 700 000	\$ 2 700 000	\$	\$
Center for the Performing Arts	2 400 000	.....	2 400 000	.....
Physical Education Building and Women's Gymnasium Addition.....	1 480 000	.....	.....	1 480 000
Remodeling, Rehabilitation, and Minor Additions.....	1 000 000	.....	300 000	700 000
Land Acquisition.....	3 354 500	.....	1 522 650	1 831 850
Protection of Life and Property	285 900	.....	225 000	60 900
Public Improvement Projects..	1 427 400	.....	164 000	1 263 400
Campus Improvement Projects	230 500	.....	230 500	.....
Utilities Distribution System...	3 802 000	.....	2 320 750	1 481 250
Equipment for 1963-65 Buildings.....	529 200	.....	.....	529 200
<i>Total, Urbana-Champaign</i> (22 879 500)		(8 370 000)	(7 162 900)	(7 346 600)
<i>Grand Total</i>	\$63 576 500	\$44 935 000	\$9 867 900	\$8 773 600

**Capital Budget 1965-67 as Approved by Governor
Showing Costs from State Funds and Other Sources**

	<i>Total</i> <i>Cost</i>	<i>State</i> <i>Funds</i>	<i>Non-State</i> <i>Funds</i>
<i>Chicago Circle Campus</i>			
Classroom Complex.....	\$ 1 300 000	\$ 1 300 000	\$
Engineering and Sciences Laboratories..	9 565 000	9 565 000	.....
Engineering and Sciences Offices.....	5 280 000	5 280 000	.....
Library.....	4 990 000	3 990 000	1 000 000
Art and Architecture Laboratories.....	3 645 000	3 645 000	.....
Physical Education Building.....	4 735 000	4 735 000	.....
Planning Funds (Phase III).....	800 000	800 000	.....
Campus Improvement Projects.....	1 260 000	1 260 000	.....
Heating Plant Addition and Utilities Distribution System.....	1 930 000	1 930 000	.....
<i>Total, Chicago Circle</i>	(33 505 000)	(32 505 000)	(1 000 000)
<i>Medical Center Campus</i>			
College of Nursing.....	5 300 000	2 800 000	2 500 000
East Dentistry-Medicine-Pharmacy Building Addition.....	2 900 000	2 400 000	500 000
Medical Sciences Addition.....	1 220 000	920 000	300 000
Remodeling, Rehabilitation, and Minor Additions.....	300 000	300 000	.....
Protection of Life and Property.....	275 000	275 000	.....
Public Improvement Projects.....	70 000	70 000	.....
<i>Total, Medical Center</i>	(10 065 000)	(6 765 000)	(3 300 000)
<i>Urbana-Champaign Campus</i>			
Civil Engineering Building (Phase IIa)	3 130 000	1 630 000	1 500 000
Psychology Department Building.....	5 700 000	4 040 000	1 660 000
Undergraduate Library Building.....	3 700 000	2 700 000	1 000 000
Center for the Performing Arts.....	12 400 000	2 400 000	10 000 000
Physical Education Building and Women's Gymnasium Addition.....	6 310 000	.....	6 310 000
Remodeling, Rehabilitation, and Minor Additions.....	300 000	300 000	.....
Land Acquisition.....	1 522 650	1 522 650	.....
Protection of Life and Property.....	225 000	225 000	.....

Public Improvement Projects.....	\$ 164 000	\$ 164 000	\$
Campus Improvement Projects.....	230 500	230 500	.....
Utilities Distribution System.....	2 320 750	2 320 750	.....
Equipment for 1963-65 Buildings.....			.....
<i>Total, Urbana-Champaign.....</i>	<i>(36 002 900)</i>	<i>(15 532 900)</i>	<i>(20 470 000)</i>
<i>Grand Total.....</i>	<i>\$79 572 900</i>	<i>\$54 802 900</i>	<i>\$24 770 000</i>

On motion of Mr. Johnston, authority was given as requested.

LOW-COST STUDENT HOUSING

(49) A Committee on Married Student Housing,¹ appointed by the Executive Vice-President and Provost to study the problem of providing permanent low-cost housing for married students, has recommended employment of an architect to make preliminary design studies to determine the feasibility of constructing family housing which can be offered at rentals of approximately \$65 to \$70 per month, excluding utilities.

If, in the opinion of professional cost consultants, the designs submitted by the architect can be constructed within the required cost goals, it will be recommended that 250 such units be built, most of which would be two-bedroom unfurnished units containing approximately 550 to 600 gross square feet per unit.

On the basis of discussions with local contractors and architects, housing in this very low-price category can not be constructed if the project has to bear the relatively high cost of land. The University, therefore, would need to subsidize the married-student housing to the extent of providing the land. The Committee endorsed the suggestion of its married-student members that the occupants of these units do their own interior decorating, floor maintenance, and window washing—in order to minimize the costs of operation and maintenance.

The Committee also recommended that the thirty to thirty-five families now living in Stadium Terrace, who plan to continue at the University, be allowed to occupy units in Stadium Terrace until August 31, 1966, and this recommendation has been approved. However, the Executive Vice-President has pointed out that there are inherent risks in the continued use of these structures and has asked that all possible safety precautions be taken by those remaining in the units.

By locating the remaining families in Stadium Terrace in the northeast corner of the present area, it will be possible to complete the land fill necessary to bring the area up to the proper level for its contemplated use in the physical fitness program of the University. There will be no fill requirement in the northeast portion.

In its report, the Committee noted that while there appeared to be an adequate overall supply of apartments (rental rates not considered) to meet the needs of the community and the University, there was a shortage of rental units available at less than \$100 a month. According to the Committee, a rental rate of \$110 a month is at best "moderate" and the need of many married students is for lower-cost housing that would rent for approximately \$65 to \$70 a month excluding utilities. The Committee expressed hope, and some confidence, that its proposed specification and procedures would ultimately result in housing that could be offered at these lower rates.

Specific recommendations for the employment of an architect and other professional services and for assignments of funds for this purpose will be made to the Board later.

On motion of Mr. Williamson, this report was received for record, and the program was approved in principle.

COMMUNICATION FROM CENTRAL ILLINOIS FRIENDS OF STUDENT NON-VIOLENT COORDINATING COMMITTEE

(50) President Henry presented the following communication from "Central Illinois Friends of SNCC" (Student Non-Violent Coordinating Committee), 801

¹ The Committee is made up of representatives of the faculty, married students, the Small Homes Council, the Housing Division, the Graduate College, and the Office of the Dean of Students. Wendell E. Miller, Professor of Electrical Engineering and Associate Head of the Department, is Chairman.

South Wright Street, Champaign, Illinois, which was delivered to the President's Office on April 22 and was telephoned to Chicago:

"TO THE PRESIDENT AND THE BOARD OF TRUSTEES:

"We, as members of the University community, request that President David Dodds Henry and other administration officials act now to withdraw the economic support which the University lends to the state of Alabama's system of racial exploitation through the University's use of Hammermill paper."

(The communication carried the names of ten students who had signed the original.)

In the discussion of the subject, individual members of the Board and the President expressed their sympathy with the purposes which the SNCC group is endeavoring to achieve in elimination of discriminatory employment practices wherever they exist. The Trustees reiterated their stand for equality in all areas of human relations and civil rights, noting that the University's employment policies and personnel practices in this respect have been exemplary.

No action was taken on the request of the SNCC group since the Board can not legally act in the specific situation presented. The regulations of the Illinois Purchasing Act require the University to purchase from the lowest responsible bidder. Under Executive Order No. 10925 of March 16, 1961, as amended, when purchases are made from federal funds, bidders are required to take affirmative action to ensure nondiscriminatory employment practices and to file compliance reports. Provision is also made in this order to declare non-complying bidders ineligible for further United States government contracts. The University, of course, complies with these federal regulations in all purchases from federal funds.

Discussion by the Trustees indicated that the University would lend its support to legislation, should such be introduced, providing requirements and procedures for purchases from state funds similar to the federal requirements.

STATE UNIVERSITIES RETIREMENT SYSTEM

On nomination of Mr. Pogue, Mr. Jones was elected as one of the three representatives of the Board of Trustees of the University of Illinois on the Board of Trustees of the State Universities Retirement System, succeeding Mr. Pogue who had asked to be relieved.

FUTURE MEETINGS OF THE BOARD

President Clement announced that the next three meetings of the Board will be held as scheduled: May 19, 1965, Chicago (Chicago Circle Campus); June 16, 1965, Urbana; July 21, 1965, Urbana.

REPORT OF THE FINANCE COMMITTEE

Treasurer's Bond

Mr. Williamson, for the Finance Committee, reported that it has received from Robert R. Manchester, Treasurer of the University, a bond, dated March 12, 1965, in the amount of \$6,000,000 with the Continental Casualty Company as surety.

The bond has been approved by the Legal Counsel and by the Business Office. The Finance Committee has accepted the bond and reports its receipt for record.

This report was received for record.

Purchases, Contracts, and Contract Change Orders

Mr. Williamson, for the Finance Committee, requested that the Board consider a change in the present regulations of the Board relating to purchases, contracts, and contract change orders, in effect since 1951, in view of the increasing volume of purchases requiring Board approval

and the change in the value of the dollar. Following this discussion, he offered the following motion:

It is moved that prior actions by the Board of Trustees relating to the amounts of individual purchases, contracts, and contract change orders which must be presented for specific approval by the Board of Trustees be deemed amended to increase the same to \$5,000 in the case of purchases and contracts, and to \$10,000 in the case of contract change orders.

Purchases, contracts, and contract change orders in excess of \$2,500 will be reported to the Board of Trustees.

This motion was adopted.

FACULTY CONFERENCE

At this point, Mr. Dilliard asked for the floor to make the following statement and motion:

The Report of University President Henry on Selected Topics of Current Interest presented today contained so many items of importance that, in a sense, it is unfair to the others to take notice of any one of them. However, the second on the list, namely the work of the University President's Eighth Annual Faculty Conference, March 26-28, is of such long-term significance that I would like to move a vote of commendation for the membership of the Conference for its preparation, through the work of the Steering Committee, for its thoughtful deliberations and in general for its conclusions and recommendations. A major portion of this Report faces squarely, and none too soon, the problems concerned with educating the disadvantaged youth of Illinois and this means primarily the Negro youth, at the University of Illinois. In my opinion, nothing in our nation today is of greater urgency than the subject matter of this report, including the removal of racial discrimination in all public areas. I trust it can be said that the trustees as a whole hope for positive and effective implementation as speedily as sound preparation and administration will permit. If a motion of commendation is approved, I request that it be transmitted to the chairman of the conference's steering committee, Professor Broudy of the College of Education, for the information of his colleagues at the conference and the University faculty staff at large. I so move.

This motion was adopted.

CONTRACTS FOR PUBLICATION OF PROGRAMMED BOOKS PREPARED BY FACULTY MEMBERS AT THE MEDICAL CENTER

On December 16, 1964, the Board of Trustees authorized tripartite contracts for publication of four programmed books prepared as scholarly contributions by faculty members at the Medical Center with the assistance of the Office of Research in Medical Education. The contracts will provide for division of royalties between the authors and the University, and the action of the Board is with reference to a specific publishing firm. It now appears that the recommendation from the Medical Center was for approval of publication and not necessarily by the single publisher indicated.

Accordingly, the Secretary requests authority to amend the minutes of December 16, 1964, by deleting the name of the publisher and providing that tripartite contracts be authorized between the University, the senior professor, and a publisher to be approved by the Executive Vice-President and Provost.

On motion of Mr. Dilliard, this amendment was authorized.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; resignations and declinations; leaves of absence; change in sabbatical 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.)

- AITKEN, WEBSTER, Visiting Lecturer in Music, Summer Session of 1965, June 21-August 14, 1965, \$3,300 for the period (2-17-65).
- AREVALO BOLANOS, FREDERICO R., Research Associate in Pediatrics, College of Medicine, seven months from February 1, 1965, without salary (3-12-65).
- ASHRI, AMRAM, Research Associate in Botany, $\frac{1}{2}$ time, February 15-October 31, 1965, \$4,333 a year (2-8-65).
- BABLOUZIAN, BARKEV L., Research Engineer in Chemistry, February 16-August 31, 1965, \$10,000 a year (3-8-65).
- BAKER, RICHARD H., Research Associate in Zoology, seven months from February 1, 1965, \$6,500 a year (3-1-65).
- BARENBERG, ERNEST J., Assistant Professor of Civil Engineering (C and S), Semester II, 1964-65, \$9,300 a year, supersedes (3-1-65).
- BARTHEL, HAROLD O., Associate Professor of Aeronautical and Astronautical Engineering (C), $\frac{1}{2}$ time, two months from June 16, 1965, \$1,244 (3-17-65).
- BERTLAND, ALEXANDER U., Research Associate, Department of Chemistry and Chemical Engineering, seven months from February 1, 1965, \$6,500 a year (3-8-65).
- BIANCHINI, ALBERT C., Associate Professor of Theoretical and Applied Mechanics, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$1,023 for the period (3-8-65).
- BLACK, ROBERT L., JR., Associate Professor of Business Law, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$1,123 for the period (3-17-65).
- BLURTON, MICHAEL A. S., Research Associate in the Bureau of Economic and Business Research, six months from March 1, 1965, \$3,900, supersedes (3-12-65).
- BROOKS, ROBERT D., Assistant Professor of Speech, Department of Speech and Theatre and Division of General Studies, Semester II, 1964-65, \$7,800 a year, supersedes (3-1-65).
- BURNS, HARRIS, JR., Visiting Lecturer in Chemistry, Semester II, 1964-65, \$7,600 a year, and Research Associate in Chemistry, June 16-August 31, 1965, \$7,000 a year, supersedes (3-17-65).
- CAMERON, NEIL M., Research Associate in Theoretical and Applied Mechanics (C), Semester II, 1964-65, \$3,075, supersedes (2-24-65).
- CAMMACK, T. EMERSON, Associate Professor of Finance, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$1,056 for the period (3-31-65).
- CARLSON, DONALD E., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$900 for the period (3-17-65).
- CLARK, ROBERT K., Lecturer in Physics, Chicago Circle, $\frac{2}{3}$ time, five months from February 1, 1965, \$4,000 (2-10-65).
- CLAUS, HELMUT, Research Associate in Metallurgical Engineering (C), March 29, 1965-February 28, 1966, \$8,000 a year, supersedes (4-5-65).
- CORDES, CLAUS, Research Associate in Chemistry, seven months from September 1, 1965, \$7,000 a year (2-10-65).

- CORLEY, ROBERT N., Associate Professor of Business Law, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$1,223 for the period, supersedes previous Summer Session appointment on full time (3-17-65).
- CRESWELL, WILLIAM H., JR., Professor of Health Education and Program Director of Undergraduate Professional Curriculum in Health Education, College of Physical Education, $\frac{3}{4}$ time, and Professor of Health Education in the Division of University Extension, $\frac{1}{4}$ time, indefinite tenure from March 1, 1965, academic year service basis, \$12,900 a year, supersedes (3-31-65).
- CURRAN, BARBARA A., Visiting Assistant Professor of Law, $\frac{1}{2}$ time, February 1-June 15, 1965, \$7,600 a year (3-17-65).
- DAHL, DELBERT T., Instructor in 4-H Club Work (E), April 10-December 31, 1965, \$583.33 a month (3-18-65).
- DUE, MRS. JEAN M., Visiting Professor of Agricultural Economics (S), full time, two months from March 1, 1965, \$1,200 a month, and $\frac{1}{4}$ time, two months from May 1, 1965, \$300 a month (3-19-65).
- DUNKELBERGER, RICHARD H., Clinical Instructor in Medicine, College of Medicine, six months from March 1, 1965, without salary (3-18-65).
- ECONOMOU, STEVEN G., Clinical Associate Professor of Surgery, College of Medicine, $\frac{2}{5}$ time, five months from April 1, 1965, \$4,000 a year, supersedes (3-8-65).
- EISENBERG, JANET, Instructor in French, Chicago Circle, $\frac{3}{4}$ time, Semester II, 1964-65, \$2,438 (3-29-65).
- FINNEGAN, RITA, Chief Medical Record Librarian (Research and Educational Hospitals) and Acting Head, Curriculum in Medical Record Administration, School of Associated Medical Sciences, College of Medicine, six months from March 1, 1965, \$9,000 a year, supersedes her nonacademic appointment (2-19-65).
- FISHER, DOUGLAS, Instructor in Economics, Chicago Circle, $\frac{1}{2}$ time, Semester II, 1964-65, \$1,400 (2-10-65).
- FLORIO, AURELIO E., Professor of Safety Education and Program Director for Safety and Driver Education, College of Physical Education, indefinite tenure from March 1, 1965, academic year service basis, \$15,000 a year, supersedes (3-22-65).
- GERVILAS, LEO L., Associate Professor of Physical Education for Men, Chicago Circle, June 25 through August 20, 1965, \$2,267 (3-19-65).
- GILLETTE, NEDRA P., Instructor in Occupational Therapy, College of Medicine, $\frac{1}{3}$ time, six months from March 1, 1965, \$2,800 a year, supersedes (3-1-65).
- GOLD, HENRY O., Research Associate, Department of Administration, assigned to Cleft Palate Center, College of Dentistry, $\frac{1}{2}$ time, six months from March 1, 1965, \$1,500 a year (3-22-65).
- GRIMM, ARTHUR, Assistant Professor of Histology, College of Dentistry, eleven months from February 1, 1965, \$12,000 a year; this is in addition to his appointment as Assistant Professor of Physiology, College of Medicine, without salary; supersedes (3-18-65).
- HAGGARD, ERNEST A., Professor of Psychology, Department of Psychiatry, College of Medicine, one year from January 1, 1965, \$19,000, supersedes (3-18-65).
- HALKO, ARLENE A., Clinical Assistant Professor of Radiology, College of Medicine, $\frac{1}{2}$ time, eight months from January 1, 1965, \$1,800 a year (12-28-65).
- HEIGOLD, WILLIAM G., Instructor in French, $\frac{1}{3}$ time, Semester II, 1964-65, \$1,000 (2-26-65).
- HENCLEY, STEPHEN P., Professor of Educational Administration and Supervision, Summer Session of 1965, June 21-August 14, 1965, \$2,778 for the period, supersedes previous Summer Session appointment on $\frac{1}{2}$ time (3-8-65).
- HENDERSON, ROBERT A., Associate Professor of Special Education, Summer Session of 1965, June 21-August 14, 1965, \$2,356 for the period, supersedes previous Summer Session appointment on $\frac{1}{2}$ time (3-8-65).
- HIDVEGI, ALFRED J., Lecturer in Architecture, Chicago Circle, $\frac{1}{3}$ time, Semester II, 1964-65, \$1,334 (3-19-65).
- HILDEBRANDT, MRS. LIESELOTTE M., Instructor in German, Chicago Circle, academic year beginning September 1, 1965, \$7,000 (3-17-65).
- HODGE, MRS. LORRAINE A. S., Instructor in Home Management-Home Economics Extension (E), six months from March 1, 1965, \$7,500 a year (1-18-65).

- HOLT, ORVAL C., Research Associate in Vocational Agriculture (S), six months from April 1, 1965, \$4,000 (3-29-65).
- HOLTAN, BOYD, Visiting Lecturer in Secondary and Continuing Education, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$1,200 for the period (3-8-65).
- HOVDE, CHRISTIAN A., Lecturer in Anatomy, College of Medicine, five months from April 1, 1965, without salary (3-1-65).
- HUFFMAN, WARREN J., Professor of Health Education, College of Physical Education, $\frac{3}{4}$ time, and Associate Professor of Health Education, Division of University Extension, $\frac{1}{4}$ time, indefinite tenure from February 1, 1965, academic year service basis, \$13,000 a year, supersedes (3-31-65).
- JAEGER, ROBERT T., Instructor in Architecture, Chicago Circle, $\frac{1}{2}$ time, Semester II, 1964-65, \$2,000 (3-19-65).
- JOHNSTON, MRS. SHIRLEY A., Instructor in English, Chicago Circle, Semester II, 1964-65, \$3,350 (3-17-65).
- JONES, MRS. RUTH T. B., Instructor in Home Economics (C), $\frac{1}{4}$ time, February 15-June 15, 1965, \$1,500 a year (3-17-65).
- KATZ, MOISES J., Research Associate in Pediatrics, College of Medicine, 7/10 time, January 25-August 31, 1965, \$7,000 a year (3-1-65).
- KAUFMAN, JEROME L., Visiting Associate Professor of Urban Planning and Landscape Architecture, 11/100 time, Semester II, 1964-65, \$700 (3-1-65).
- KENDALL, MADELYN A. R., Instructor in Germanic Languages and Literatures, Summer Session of 1965, June 21-August 14, 1965, \$1,556 for the period (3-2-65).
- KENNEY, HAROLD E., Assistant Dean of the College of Physical Education, $\frac{3}{4}$ time, six months from March 1, 1965; and, Professor of Physical Education for Men, $\frac{1}{4}$ time, indefinite tenure from March 1, 1965, \$17,250 a year, supersedes (3-19-65).
- KNUDSON, CHARLES A., Professor of French, Summer Session of 1965, June 21-August 14, 1965, \$4,023 for the period, supersedes previous Summer Session appointment on $\frac{3}{4}$ time (3-1-65).
- KNUDSON, EDWARD C., Assistant Professor of Economics, Chicago Circle, $\frac{1}{2}$ time, Semester II, 1964-65, \$2,000 (3-19-65).
- KRIKELAS, JAMES, Instructor in Library Science, $\frac{1}{2}$ time, four months from February 15, 1965, \$1,332, supersedes (3-12-65).
- LANER, FRANCES J., Research Associate in Secondary and Continuing Education, College of Education, February 22-August 31, 1965, \$10,500 a year (4-5-65).
- LEACH, JAMES L., Assistant Campus Director, AID Projects, for service in India, March 1 through April 15, 1965, \$1,701.48 a month; Professor of Mechanical Engineering (C), $\frac{3}{4}$ time, and Assistant Campus Director, AID Projects, $\frac{1}{4}$ time, April 16 through May 31, 1965, \$1,288.88 a month; and Professor of Mechanical Engineering (C), $\frac{3}{4}$ time, indefinite tenure, and Assistant Campus Director, AID Projects, $\frac{1}{4}$ time, June 1 through August 31, 1965, \$644.44 a month, supersedes (3-5-65).
- LEES, ROBERT B., Professor of Linguistics, Summer Session of 1965, June 21-August 14, 1965, \$3,056 for the period, supersedes previous Summer Session appointment on one-half time (3-19-65).
- LEPPER, MARK H., Professor of Preventive Medicine and Head of the Department, indefinite tenure, and Acting Head of Department of Public Health, College of Medicine, March 1, 1965-August 31, 1966, \$24,800 a year, supersedes (3-1-65).
- LERNER, LEON, Research Associate in Biological Chemistry, College of Medicine, five months from April 1, 1965, \$8,400 a year (3-8-65).
- LEVINE, EDWIN B., Associate Professor of English, Chicago Circle, indefinite tenure from September 1, 1965, on an academic year basis, \$10,000 a year (2-17-65).
- LINDLEY, DAVID H., Research Associate in Physics (C), four months from February 1, 1965, \$8,100 a year (3-8-65).
- LOEB, HENRY S., Clinical Instructor in Medicine, College of Medicine, six months from March 1, 1965, without salary (3-18-65).
- LOUIS, JOHN, Research Associate in Medicine, College of Medicine, 9/10 time, six months from March 1, 1965, \$9,400 a year (3-18-65).

- LYMAN, THOMAS W., Lecturer in Architecture, Chicago Circle, $\frac{2}{3}$ time, five months from February 1, 1965, \$3,267 (3-17-65).
- MAMER, STUART M., Visiting Lecturer in Law, 33/100 time, Semester II, 1964-65, \$4,400 a year (3-17-65).
- MATHUR, HARI HAR, Research Associate in Chemistry, March 16-August 31, 1965, \$6,500 a year (12-28-64).
- MATSUMOTO, YORIMI, Instructor in Biophysics, Department of Physiology and Biophysics, five months from April 1, 1965, \$7,350 a year, supersedes (3-17-65).
- MAZER, GILBERT E., Visiting Lecturer in Educational Psychology, Summer Session of 1965, June 21-August 14, 1965, \$2,000 for the period (2-13-65).
- MCCARTHY, WILLIAM H., Instructor in Surgery, College of Medicine, 65/100 time, January 18-August 31, 1965, \$7,200 a year (2-8-65).
- MCGHEE, GORDON D., Clinical Instructor in Medicine, College of Medicine, six months from March 1, 1965, without salary (3-24-65).
- MCGLAMERY, MARSHAL D., Research Associate in Agronomy (S and E), March 11-August 31, 1965, \$10,000 a year (3-31-65).
- MCLEOD, JOHN, Visiting Research Associate in the Institute for Research on Exceptional Children, $\frac{1}{2}$ time, academic year, 1965-66, \$4,050 (3-1-65).
- MILLET, STANTON, Associate Professor of English, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$1,050 for the period, supersedes previous Summer Session appointment on full time (3-2-65).
- MINSEK, ROBERT C., Clinical Instructor in Medicine, College of Medicine, six months from March 1, 1965, without salary (3-18-65).
- MOCHEL, MARTIN O., JR., Senior Pharmacist in Hospital Pharmacy, College of Pharmacy, March 8-August 31, 1965, \$8,500 a year (3-29-65).
- MOLNAR, JANOS, Research Associate in Biological Chemistry, College of Medicine, one year from January 1, 1965, \$11,000 a year, supersedes (3-17-65).
- MRAZEK, RUDOLPH G., JR., Clinical Associate Professor of Surgery, College of Medicine, 45/100 time, five months from April 1, 1965, \$5,000 a year, supersedes (3-8-65).
- NEAL, JOHN A., Research Associate in Theoretical and Applied Mechanics (C), $\frac{2}{3}$ time one month from February 1, 1965, \$333.33, and full time Semester II, beginning March 1, 1965, \$3,000, supersedes (3-8-65).
- NELL, RACILIA J., Assistant Reference Librarian, with the rank of Instructor, Chicago Circle, February 15-August 31, 1965, \$6,100 a year (3-19-65).
- NOBLE, FRANK C., JR., Visiting Lecturer in Educational Psychology, Summer Session of 1965, June 21-August 14, 1965, \$2,200 for the period (2-13-65).
- NOTARO, VINCENT A., Research Associate in Chemistry, February 16-August 31, 1965, \$6,100 a year, supersedes (3-8-65).
- O'BYRNE, (MISS) ALLYN K., Staff Pharmacist in Hospital Pharmacy, College of Pharmacy, six months from March 1, 1965, \$8,000 a year (3-17-65).
- PENNIMAN, WILLIAM D., Associate Editor of Engineering Publications (C), seven months from February 1, 1965, \$9,000 a year (3-1-65).
- PERRY, KENNETH I., Instructor in French, Chicago Circle, academic year, 1965-66, \$7,600 (3-8-65).
- PETERS, J. WILLIAM, Associate Professor of Mathematics, Summer Session of 1965, June 21-August 14, 1965, \$2,545 for the period, supersedes previous Summer Session appointment on $\frac{2}{3}$ time (3-19-65).
- RAINS, RUTH R., Assistant Professor of French, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$789 for the period (3-1-65).
- RINGER, ALEXANDER L., Professor of Music, Summer Session of 1965, June 21-August 14, 1965, \$2,912 for the period, supersedes previous Summer Session appointments on $\frac{1}{2}$ time (3-17-65).
- RUBINSTEIN, RICHARD I., Clinical Instructor in Obstetrics and Gynecology, College of Medicine, five months from April 1, 1965, without salary (4-5-65).
- RUSS, AUBREY, Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, one year from September 1, 1964, without salary (4-5-65).
- RYAN, DAVID G., Professor of Mechanical Engineering (C), $\frac{1}{2}$ time, two months from June 16, 1965, \$1,567 (3-17-65).
- SAGARTZ, JOHN W., Instructor in Veterinary Clinical Medicine, College of Veterinary Medicine, $\frac{1}{2}$ time, February 15-August 31, 1965, \$2,708.29 (3-24-65).

- SAIN, MICHAEL K., Instructor in Electrical Engineering (C), 14/100 time, one month from February 1, 1965, \$62.50 (3-26-65).
- SALOMON, LAWRENCE, Instructor in Art, Chicago Circle, $\frac{2}{3}$ time, Semester II, 1964-65, \$2,400 (3-19-65).
- SARELAS, APHRODITE F., Coordinator for Student Employment Services, Chicago Circle, April 15-August 31, 1965, \$9,300 a year (3-29-65).
- SAVIGNON, GABRIEL M., Instructor in French, Summer Session of 1965, June 21-August 14, 1965, \$1,445 for the period, supersedes previous Summer Session appointment on $\frac{1}{2}$ time (3-1-65).
- SCHMIDT, NORBERT O., Instructor in Civil Engineering (C), Semester II, 1964-65, \$4,250 (2-22-65).
- SHIRELY, LELAND K., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$900 for the period (3-17-65).
- SILLIKER, JOHN H., Visiting Professor of Food Science (S), $\frac{1}{4}$ time, four months from March 1, 1965, \$1,200; this is in addition to his appointment as Research Associate in Preventive Medicine, College of Medicine, on 70/100 time (3-12-65).
- SMITH, PAUL B., Instructor in Veterinary Physiology and Pharmacology, College of Veterinary Medicine, $\frac{2}{3}$ time, seven months from February 1, 1965, \$4,375 (3-2-65).
- SPAHN, THEODORE J., Assistant Reference Librarian, with the rank of Instructor, in the Library, Chicago Circle, seven months from February 1, 1965, \$6,500 a year (3-8-65).
- SUEDFELD, PETER, Visiting Assistant Professor of Psychology, Summer Session of 1965, June 21-August 14, 1965, \$1,834 for the period (2-13-65).
- SWANSON, J. WESLEY, Staff Associate in the Office of the President, $\frac{1}{2}$ time, seven months from February 1, 1965, \$7,200 a year (2-23-65).
- THOMAS, ELIZABETH C., Instructor in Elementary Education, College of Education, and Graduate College, $\frac{2}{3}$ time, Semester II, 1964-65, \$2,244.50 (3-2-65).
- THORNTON, MELVIN C., Instructor in Mathematics, Semester II, 1964-65, \$6,000 a year (3-1-65).
- TOTTEN, DONALD F., Instructor in Mathematics, Semester II, 1964-65, \$6,000 a year (3-1-65).
- TOTTEN, STANLEY M., Research Associate in Geology, two months from January 1, 1965, \$1,500 (3-1-65).
- TSUBOI, TEICHI, Research Associate in Computer Science, Graduate College, one year from April 1, 1965, \$8,000 (2-22-65).
- TSUI, JAMES, Research Associate in Electrical Engineering (C), seven months from February 1, 1965, \$4,200 (1-28-65).
- WAGH, PREMANAND V., Research Associate in Biological Chemistry, College of Medicine, April 19-August 31, 1965, \$7,500 a year (3-17-65).
- WALLER, ROBERT A., Assistant Professor of History and Director of Illinois NDEA History Institute, Semester II, 1964-65, \$7,950 a year, supersedes (3-8-65).
- WETZEL, JOHN E., Assistant Professor of Mathematics, College of Liberal Arts and Sciences and College of Commerce and Business Administration, Semester II, 1964-65, \$987.50; this is in addition to his present appointment (3-29-65).
- WHITMER, ROGER G., Lecturer on Materials and Methods of Construction, Department of Architecture, Chicago Circle, $\frac{1}{3}$ time, Semester II, 1964-65, \$1,500 (3-19-65).
- WILLIAMS, EDMUND C., Visiting Lecturer in Music, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$700 for the period (2-17-65).
- WILSON, GEORGE M., Assistant Professor of History, Semester III, 1964-65, \$7,500 a year, supersedes (3-8-65).
- WINDESHEIM, KARL A., Associate Professor of Speech and Theatre, Summer Session of 1965, $\frac{1}{2}$ time, June 21-August 14, 1965, \$1,023 for the period (3-31-65).
- WINNIKOW, MRS. SWITLANA, Assistant Professor of Mechanical Engineering (C), Semester II, 1964-65, \$6,700 a year, supersedes (3-17-65).
- WISE, E. SPENCER, Visiting Lecturer in Botany, Summer Session of 1965, June 21-August 14, 1965, \$1,445 for the period (2-24-65).

RESIGNATIONS AND DECLINATIONS

- AHEARN, RAYMOND J., Instructor in Geography, Chicago Circle — resignation effective March 1, 1965.
- ANDREWS, JAMES A., Instructor in Accounting, Chicago Circle — resignation effective March 1, 1965.
- BLAUFUSS, JOHN, Staff Pharmacist in the College of Pharmacy — resignation effective March 6, 1965.
- BORASKY, RUBIN, Electron Micrographer in the School of Life Sciences — resignation effective April 14, 1965.
- CARROLL, JOHN A., Program Director, Illini Union — resignation effective April 22, 1965.
- COLBY, MARY M., Associate Professor of Geography, Chicago Circle, Summer Session of 1965 — declination effective June 25, 1965.
- DECHARMS, DESIREE, Music Library Assistant, with rank of Instructor — resignation effective April 11, 1965.
- DEWAN, EDMUND J., Research Assistant in the Coordinated Science Laboratory — resignation effective June 1, 1965.
- FELLO, MICHAEL A., Research Assistant in Medicine (Medicine) — resignation effective January 1, 1965.
- IRGENS, ROAR L., Research Associate in Agricultural Engineering — resignation effective April 10, 1965.
- JOHNSON, FALK S., Associate Professor of English, Chicago Circle, Summer Session of 1965 — declination effective June 25, 1965.
- KOPPLIN, JULIUS O., Associate Professor of Electrical Engineering, Summer Session of 1965 — declination effective June 21, 1965.
- LEONARD, JAMES W., Associate Professor of Finance, Summer Session of 1965 — declination effective June 21, 1965.
- MATLON, RONALD J., Instructor in Speech in the Department of Speech and Theatre, Chicago Circle — resignation effective March 1, 1965.
- MCGUIRE, JANICE G., Research Assistant in Microbiology — resignation effective April 16, 1965.
- METCALF, CHARLES W., Clinical Instructor in Medicine (Medicine) — resignation effective February 8, 1965.
- MIGNON, CHARLES W., JR., Assistant Professor of English, Summer Session of 1965 — declination effective June 21, 1965.
- MILLER, MRS. MARY, Bibliographer, with rank of Instructor, in the Library — resignation effective April 1, 1965.
- NAOUMIDES, MARK, Assistant Professor of the Classics, Summer Session of 1965 — declination effective June 21, 1965.
- ROBINSON, DONALD W., Visiting Lecturer in Educational Psychology, Summer Session of 1965 — declination effective June 21, 1965.
- ROHRER, RONALD A., Assistant Professor in the Coordinated Science Laboratory and Assistant Professor of Electrical Engineering — resignation effective September 1, 1965.
- SANKARAN, NILAKANTAN, Visiting Lecturer in Mathematics, Summer Session of 1965 — declination effective June 21, 1965.
- SHELLEY, SUE A., Research Assistant in Botany — resignation effective March 1, 1965.
- SLOAN, THOMAS O., Assistant Professor of Speech and Theatre, Summer Session of 1965 — resignation effective June 21, 1965.
- THORNTON, WILMOT A., Assistant Professor of Zoonotic Ecology, Department of Veterinary Pathology and Hygiene, and Associate Member, Center for Zoonoses Research, College of Veterinary Medicine — resignation effective May 16, 1965.
- TILLMAN, ALBERT C., Instructor in English, Summer Session of 1965 — resignation effective June 21, 1965.
- WINZLER, RICHARD J., Professor of Biological Chemistry and Head of the Department (Medicine) — resignation effective September 1, 1965.

LEAVES OF ABSENCE

- BARBOUR, IAN M., Research Associate in Physics, College of Engineering — leave of absence, without pay, April 16 to April 30, 1965.

- BECKER, WESLEY C., Professor of Psychology—leave of absence, with pay, February 8 through February 28, 1965, on account of sickness.
- CHALMERS, W. ELLISON, Professor of Economics, College of Commerce and Business Administration, and in the Institute of Labor and Industrial Relations—leave of absence, without pay, September 1, 1965, through August 31, 1967, so that he may accept a position as Visiting Professor of Industrial Relations at the University of Singapore.
- FELL, EGBERT H., Clinical Professor of Surgery (Rush), College of Medicine—leave of absence, without pay, for an indefinite period beginning February 1, 1965, so that he may do work in the Arabian Mission field.
- PFLUGER, CLARENCE E., Assistant Professor of Analytical Chemistry—leave of absence, without pay, for the academic year 1965-66, so that he may accept a Fulbright award to Denmark to do work at the Technical University in Copenhagen.
- SCHLOSSER, ROBERT E., Associate Professor of Accountancy—leave of absence, without pay, September 1, 1965, through August 31, 1966, so that he may continue on his professional project while with Price Waterhouse & Co.
- STONE, G. WILLIAM, Assistant Professor and 4-H Club Specialist, Cooperative Extension Service in Agriculture and Home Economics—leave of absence, without pay, April 1, 1965, through December 31, 1965, so that he may serve on the staff of the National 4-H Club Foundation, Washington, D.C.
- TRASK, ANNE E., Assistant Professor of Education, Bureau of Educational Research—leave of absence, without pay, for one year from September 1, 1965, so that she may accept a professional assignment in the United States Office of Education as Director of the Innovation Project in Vocational Education which is being established in their new Occupational Research and Planning Program.

CHANGE IN SABBATICAL LEAVE OF ABSENCE

- TOUCHBERRY, ROBERT W., Professor of Genetics, Department of Dairy Science—sabbatical leave of absence, with full pay, from September 1, 1965, through February 28, 1966, a change in the period of leave previously approved for the second half of the academic year 1964-65.

RECESS AND EXECUTIVE SESSION

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

On motion of Mr. Pogue, the Board recessed.

During the luncheon recess, representatives of the Medical Center Commission, officers in the central administration, and representatives of the faculty and representatives of the students at the Medical Center were guests of the Board at luncheon and were introduced.

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.

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

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

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

That the rights of the University in the following invention be released to the inventor because of the improbability of commercial value:

1. Use of grain boundaries in integrated circuits—Paul Handler, Professor of Electrical Engineering and of Physics. In this application, the silicon or other material used is not a single crystal but would be cut from a boule containing a

fixed array of grain boundaries. Since it has been shown that impurities diffuse very rapidly along grain boundaries, it is possible to produce a slice of material containing highly conducting grain boundary regions while the remainder of the material will remain essentially unchanged.

That the rights of the University in the following inventions be released to the University of Illinois Foundation for further study, development, and possible patent application, subject to any rights that the United States government may have in each particular case:

1. Cartridge loop detector — Jack R. Baird, Assistant Professor of Electrical Engineering, and Murray D. Sirkis, Professor of Electrical Engineering; developed under Contract AF-30(602)-3046. The cartridge loop detector is a new physical configuration for a microwave crystal detector. The cartridge is inserted into an electromagnetic field through a hole in one of the conducting walls which form the boundaries of the field. The strong magnetic field near the conducting boundary induces a voltage in the coupling loop which applies to a microwave signal to the point-contact diode. The output is then taken from the center conductor of the cartridge unit. The novel feature is the unique combination of a coupling loop and point-contact diode. The output is then taken from the center conductor of the imbedding of the semiconductor crystal so that it is flush with the end wall of the unit.

2. Gaseous switching array for flat panel matrix displays — Donald L. Bitzer, Research Associate Professor in the Coordinated Science Laboratory and Associate Professor of Electrical Engineering, and Robert H. Willson, Research Assistant in the Coordinated Science Laboratory; developed under Contract No. DA-36-039-AMC-02208 (E). This invention is a switching network for a flat panel display device which is to be used as a display for a digital system. The unique feature of this invention is the switching elements used to select a spot for display. These elements are similar to the elements of the flat panel display device, and switching selection is accomplished by direct use of the computer generated binary code.

3. Artificial rainfall producer — Ven Te Chow, Professor of Hydraulic Engineering, Department of Civil Engineering, and Terence E. Harbaugh, Assistant in Civil Engineering; developed under Grant No. NSF-GP-1464. The unique features of the artificial rainfall producer are: to simulate various rainfall drop sizes within a high degree of reliability, to control the intensity of rainfall application over a wide range, to distribute the desired pattern of rainfall uniformly or nonuniformly according to specified patterns, and to turn on and off the rainfall supply almost instantaneously. These features are not present in other available methods for producing artificial rainfalls.

4. Reflecting beam waveguide — James E. Degenford, Research Associate in Electrical Engineering, Murray D. Sirkis, Professor of Electrical Engineering, and W. H. Steier, formerly Assistant Professor of Electrical Engineering; developed under Contract Nos. AF-30(602)-3046 and AF-30(602)-2456. The reflecting beam waveguide is essentially a free space transmission system using prolate spheroidal reflectors to guide a wave beam. The system has the advantage of component dimensions being large compared to a wavelength and single mode propagation.

5. Electromagnetic devices — Ladislav Goldstein, Professor of Electrical Engineering, and Felix T. Adler, Professor of Physics and of Nuclear Engineering. The essential novel feature of the device is that no mechanism or parts are inserted into the reactor which can be functionally impaired by the ambient radiation or which require cables inside or near the reactor core to connect the "in-pile" counting device to an "out-of-pile" instrument; moreover, the microwave device will not saturate under any practically envisageable situations.

6. Method and equipment for rapid freeze-drying of sliced foodstuffs — Alvin I. Nelson, Professor of Food Science, and Eugene V. Kwiat, formerly Research Assistant in Food Science. One of the main factors limiting the reduction of freeze-dehydration time of food products in slice form is the supply of sufficient heat to maintain a high rate of sublimation without severe damage to product quality. Once a dry layer is formed on the surface, the rate of heat transfer to the receding ice front is greatly reduced. The present invention offers a unique approach to achieve high dehydration rates whereby a multitude of evenly spaced

metal needles or pins are gradually introduced into the product from both above and below during the dehydration cycle. These needles may be heated and are kept in contact with the receding ice front.

I concur.

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

ACQUISITION OF PROPERTIES

Mr. Pogue made the following motion:

Mr. President, each of the recommendations for acquisition of properties, and the resolutions relating thereto, of the agenda now being presented for our consideration at this meeting, and identified as "Executive Session — 2" through "Executive Session — 11" calls for a roll call vote by the Board of Trustees. I move that the roll call votes on these recommendations and resolutions be deferred until all have been discussed and considered by the Board.

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

The discussions on the recommendations of items "Executive Session — 2" through "Executive Session — 11" having been completed, Mr. Johnston moved that a roll call vote now be taken, said roll call to be considered a roll call vote on each of said items separately, that the Secretary be instructed to record such vote as the separate vote of each member of the Board of Trustees on each of said items, and that this motion require the unanimous affirmative vote of the members of the Board here present for its adoption.

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

The President of the University then presented recommendations for the property acquisitions which appear below.

PURCHASE OF PROPERTY AT 605 SOUTH LINCOLN AVENUE. URBANA, ILLINOIS

(52) 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 605 South Lincoln Avenue, Urbana, Illinois, at a price of \$25,000, and lease the property to the University at a rental sufficient to pay the interest charges on a bank loan to the Foundation to finance the purchase. The property is immediately east of the area for the Krannert Center for the Performing Arts and is needed for future campus expansion.

The property is an irregular lot 48 feet by 130 feet (6,045 square feet) and is improved with a two-story frame dwelling.

It is further recommended that the contract for purchase provide that the owner may retain possession of the premises until July 1, 1966, in consideration of the price at which he is willing to sell.

I concur.

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

**PURCHASE OF PROPERTY AT 1001 SOUTH SIXTH STREET,
CHAMPAIGN, ILLINOIS**

(53) 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 1001 South Sixth Street, Champaign, at a price of \$41,000, and lease the property to the University of Illinois at a rental rate adequate to pay the interest on a bank loan to the Foundation to finance the purchase until such time as the University has funds to buy the property which is required for future expansion.

The property consists of a corner lot 74.25 feet by 78.9 feet (5,858 square feet) and is improved with a two-story and basement frame dwelling converted to apartments.

I concur.

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

**PURCHASE OF PROPERTY AT 1109 WEST CALIFORNIA AVENUE,
URBANA, ILLINOIS**

(54) The Board of Trustees on October 21, 1964, authorized condemnation proceedings for the acquisition of the property at 1109 West California Avenue, Urbana, or settlement at a price within University appraisals. The property consists of a lot 60 feet by 151 feet deep and is improved with a two-story and basement stucco residence. The land is needed as part of the site for the Krannert Center for the Performing Arts.

Through subsequent negotiations, and prior to trying this case, the owners agreed to sell for \$42,000 which is within the appraisals.

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 this property at the price of \$42,000, and lease it to the University at a rental rate adequate to pay the interest on a bank loan to the Foundation to finance the purchase of the property until the University has funds for its acquisition.

I concur.

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

**PURCHASE OF PROPERTY AT 902 WEST ILLINOIS STREET,
URBANA, ILLINOIS**

(55) 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 902 West Illinois Street, Urbana, Illinois, at a price of \$52,500, and lease the property to the University of Illinois 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 required for future expansion.

The property consists of a corner lot 52.4 feet by 75 feet and is improved with a two and one-half story brick rooming house.

I concur.

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

**PURCHASE OF PROPERTY AT 1116-1116½ WEST OREGON STREET,
URBANA, ILLINOIS**

(56) The Board of Trustees has authorized condemnation proceedings for the acquisition of the property at 1116-1116½ West Oregon Street, Urbana, Illinois, or settlement at a price within University appraisals. The property consists of a lot 65 feet by 130 feet deep and is improved with a one-story commercial building. The land is needed as part of the site for the Krannert Center for the Performing Arts.

Through subsequent negotiations and prior to trying this case, the owners have agreed to sell for \$52,900, which is within appraisals.

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 this property at the price of \$52,900, and lease it to the University at a rental sufficient to pay the interest on a bank loan to finance the purchase of the property until the University has funds for its acquisition. Possession of the premises will be delivered to the University on or before July 1, 1965, without tenants.

I concur.

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

**ACQUISITION OF PROPERTY AT 1012 SOUTH FIFTH STREET,
CHAMPAIGN, ILLINOIS**

(57) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees of the University of Illinois authorize the purchase of the property at 1012 South Fifth Street, Champaign, Illinois, at a price not to exceed \$60,000; and that if the property can not be acquired at that price, condemnation proceedings be authorized.

It is further recommended that if the property can be purchased for \$60,000 or less, the Board of Trustees of the University of Illinois request the University of Illinois Foundation to purchase it at such price and lease the property to the University of Illinois at a rental rate adequate to pay the interest on a loan to the Foundation to finance the acquisition until funds are available to the University for the purchase. The property is required for expansion of parking facilities and later as a building site.

The property consists of a lot 55 feet by 198 feet (10,890 square feet) and is improved with a two-story and basement frame dwelling.

I concur and recommend adoption of the resolution which appears below to implement this action.

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

**Resolution Authorizing Condemnation of Property at 1012 South
Fifth Street, Champaign, Illinois**

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

Lot Three (3) in Ben Baer's Addition to the City of Champaign, situated in the City of Champaign, in the County of Champaign, and State of Illinois; commonly known as 1012 South Fifth Street, Champaign, Illinois

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois for use as a vehicular parking facility of the University of Illinois and for other educational purposes conducted and to be

conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use, that funds are available to the University for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

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

Therefore, Be It, and It Is Hereby Further Resolved, Found and Declared by The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land can not be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

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

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

**ACQUISITION OF PROPERTY AT 503 SOUTH GREGORY PLACE
AND TRANSFER OF PROPERTY AT 807 WEST STOUGHTON,
URBANA, ILLINOIS**

(58) The Board of Trustees has authorized condemnation proceedings for acquisition of the property at 503 South Gregory Place, Urbana, Illinois, or settlement at a price within University appraisals. The property consists of a lot 30 feet by 65 feet and is improved with a one and one-half story and basement brick residence. The land is needed as part of the site for the Krannert Center for the Performing Arts.

Prior to trial of the case, representatives of the conservator of the estate of the owner proposed a settlement:

The University will complete condemnation proceedings for the acquisition of 503 South Gregory Place with a directed verdict of \$19,000.

The University will convey property it owns at 807 West Stoughton Street, Urbana, Illinois, to the estate of the owner of the property at 503 South Gregory Place, Urbana, Illinois, for a price of \$11,000.

Inasmuch as the prices for the two properties are within appraisals and the Stoughton Street property is not required for future expansion, the Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend that the Board of Trustees of the University of Illinois request the University of Illinois Foundation to pay the condemnation award of \$19,000, when entered, in consideration for which the University will transfer to the Foundation title to the property at 807 West Stoughton Street and \$8,000. The estate of the owner of the property at 503 South Gregory Place will purchase the 807 West Stoughton Street property from the Foundation for the price of \$11,000.

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

I concur.

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

**Resolution Regarding 503 South Gregory Place, Urbana, Illinois,
and Authorizing Conveyance of Property at 807 West
Stoughton Street, Urbana, Illinois, to Foundation**

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, hereinafter referred to as "University," that the Comptroller and Secretary of University be, and they hereby are, authorized for, and in the name of, and on behalf of University to enter into an agreement with University of Illinois Foundation, a not-for-profit corporation of the State of Illinois, hereinafter referred to as "Foundation" providing for the conveyance to Foundation of title to the property hereinafter described and located at 807 West Stoughton Street, Urbana, Illinois, in consideration of the acquisition by the University of title to the property located at 503 South Gregory Place, Urbana, Illinois, and upon the following terms and conditions:

1. Foundation shall pay to the County Treasurer of Champaign County, Illinois, the amount of the award, Nineteen Thousand Dollars (\$19,000.00), entered in, and in accordance with the terms of the Judgment Order of the Circuit Court of the Sixth Judicial District, Champaign County, Illinois, entered in, the condemnation case entitled "The Board of Trustees of the University of Illinois, a public corporation, Petitioner; vs. Florence A. Nyberg, and Emma N. Ekblaw, Conservator of the Estate of Florence A. Nyberg, an incompetent person, Defendants" No. 64-L-924, in order that University thereby will acquire title to the property located at 503 South Gregory Place, Urbana, Illinois;

2. University shall pay to the Foundation the sum of Eight Thousand Dollars (\$8,000.00) at the time of payment of said award by Foundation, and shall convey to Foundation title to the property located at 807 West Stoughton Street, Urbana, Illinois, subject to the presently existing lease of said premises and the right of the present tenant thereunder to remain in possession of said premises until August 31, 1965.

3. Such other terms and conditions as said Comptroller and Secretary may deem necessary or desirable.

Be It Further Resolved that upon compliance with the terms of said agreement by Foundation, and in accordance with the terms thereof, said Comptroller and Secretary be, and they hereby are, authorized and directed, to execute, acknowledge, and deliver, in the name, and in behalf of, University and under its corporate seal, a Warranty Deed, with Federal Documentary Tax Stamps affixed at University's expense, and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to Foundation title to the property located at 807 West Stoughton Street, Urbana, Illinois, and described as follows, viz:

The North Half (N $\frac{1}{2}$) of Lot Forty-five (45) in Master in Chancery's Subdivision of the South part of the Southwest Quarter (SW $\frac{1}{4}$) of Section Eight (8), Township Nineteen North, Range Nine (9) East of the Third Principal Meridian, situated in the City of Urbana, in the County of Champaign, and State of Illinois.

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

ACQUISITION OF PROPERTIES FOR KRANNERT CENTER FOR THE PERFORMING ARTS

(59) On October 21 and November 24, 1964, the Board of Trustees adopted resolutions declaring that various properties are needed by the University as part of the site for the Krannert Center for the Performing Arts and for related educational purposes, and that title to such land should be acquired by exercise of the right of eminent domain through condemnation proceedings.

The condemnation suits are now being tried individually in the Circuit Court of Champaign County, Illinois. The jury awards have been within the range of the testimony adduced from expert witnesses at the trial.

The following is a summary of results of trials to date:

<i>Trial Dates</i>	<i>Property</i>	<i>Jury Award</i>
March 15, 16, 17, 18, 1965	1110 West Oregon Street	\$62 600
March 19, 22, 23	1112 West California Avenue	64 500
March 24, 25, 26	1108 West Oregon Street	43 800
April 19, 20, 21	1108 West California Avenue	32 500

The Legal Counsel, the Director of the Physical Plant, and the Vice-President and Comptroller recommend that the University accept the jury awards and pay the same when the judgments are entered.

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

I concur.

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

ACQUISITION OF PROPERTY AT 602 SOUTH FOURTH STREET, CHAMPAIGN, ILLINOIS

(60) 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 602 South Fourth Street, Champaign, Illinois, and lease it to the University at an annual rental to be negotiated and submitted to this Board for approval, but not less than adequate to pay the interest cost on a bank loan to the Foundation to finance the purchase of the property until funds are available to the University for purchase by it. In the event the annual rental exceeds interest costs, the remainder will be applied on the purchase price.

On May 8, 1965, this property will be offered at public sale by the Champaign County Board of School Trustees. It is desirable for the University to acquire this property to provide additional space for the College of Education in carrying out a proposed research and demonstration project on preschool education of culturally disadvantaged youth.

The property consists of a tract of ground 177 feet on Fourth Street and 288 feet on Healey Street, and is improved with a two-story and basement brick eight-classroom school building. The school was closed due to shifts in school-age population away from the area.

The Committee on Buildings and Grounds has been consulted and concurs in this recommendation.

I concur.

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

**ACQUISITION OF PROPERTY AT 1110 WEST CALIFORNIA
AVENUE, URBANA, ILLINOIS**

(61) The Board of Trustees has authorized condemnation proceedings for the acquisition of the property at 1110 West California Avenue, Urbana, Illinois, or settlement at a price within University appraisals. The property consists of a lot 65 feet by 150 feet deep and is improved with a two and one-half story frame residence. The land is needed as part of the site for the Krannert Center for the Performing Arts.

The case is currently set for trial on May 10, 1965. It appears that settlement may be possible at a price of \$43,000.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that authorization be given to settle the litigation and acquire the property at a price not to exceed \$43,000.

I concur.

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

**AUTHORIZATION FOR EXECUTIVE COMMITTEE
TO ACT ON REAL ESTATE MATTERS**

(62) The University has filed condemnation proceedings on parcels of real estate in Urbana, Illinois, needed for the Krannert Center for the Performing Arts. The Board has heretofore authorized settlements of the various proceedings at prices within the University appraisals.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel state that the necessity for additional authority to effect settlement of some of the condemnation suits may become urgent and not capable of postponement until a meeting of the Board. They recommend that, pursuant to Article 4, Section 3, of the By-Laws, the Board of Trustees authorize the Executive Committee of the Board to take action on any matters relating to the settlement of the pending condemnation proceedings. This request is for extension of similar authority granted the Executive Committee at the March 12, 1965 meeting, and would cover the same parcels of real estate.

I concur.

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

On motion of Mr. Pogue, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President