

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

July 29, 1958



The July meeting of the Board of Trustees of the University of Illinois was held in the Illini Union Building, Urbana, Illinois, on Tuesday, July 29, 1958, beginning at 2:30 p.m., central daylight saving time.

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

Also present were President David D. Henry, Dean of Administration and Associate Provost Royden Dangerfield, Dr. H. E. Longenecker, Vice-President in charge of the Chicago Professional Colleges, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Mr. Ralph F. Lesemann, Legal Counsel, Professor Norman A. Parker, Chairman of the University's Building Program Committee, Mr. E. L. Stouffer, University Architect, Mr. Ambrose M. Richardson, Consulting Architect, Mr. James C. Colvin and Mr. William H. Rice, Administrative Assistants in the President's Office, Mr. Robert W. Evans, Assistant Director of Public Information; and the officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of the Board of Trustees on April 17, 1958, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 1173 to 1233, inclusive.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law.

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
THOMAS JUNIOR BURNS	Carbondale, Illinois	Wisconsin
CARROLL WRIGHT CHEEK	Bowling Green, Ohio	Ohio
CHARLES CLOISE CRUMLEY	Park Ridge, Illinois	New York
WILLIAM DONALD FISCHER	Elmhurst, Illinois	Indiana
GEORGE GEORGIOU	Chicago, Illinois	Michigan
JAMES MILTON INGHAM	Webster Groves, Missouri	Missouri
MELVIN ELMER KERR	Aurora, Illinois	Iowa
A. O. LABERTEAUX	Muncie, Indiana	Indiana
ROBERT THEO LENHARDT	Alton, Illinois	Missouri
BERT REIVE	Detroit, Michigan	Michigan
SHELDON SEYMOUR SITRICK	Bettendorf, Iowa	Iowa
JAMES EDWIN STOLL	Chicago, Illinois	Indiana
KENNETH E. STUTLER	Lawrenceville, Illinois	Indiana
JOHN LOUIS VITALE	Western Springs, Illinois	Michigan
DAVID HERMAN ZIEGLER	Chicago, Illinois	District of Columbia

I concur.

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

APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

(2) On nomination of the Committee on Accountancy, I recommend the appointment of Mr. Allen Carter Howard, C.P.A., 208 South LaSalle Street, Chicago, Resident Partner of the firm of Touche, Niven, Bailey, and Smart, Certified Public Accountants, to the Board of Examiners in Accountancy for three years beginning July 1, 1958, to replace Mr. Donald Jennings whose term will expire June 30, 1958.

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

ADVISORY COMMITTEES FOR COLLEGE OF AGRICULTURE

(3) The Dean of the College of Agriculture recommends the following appointments and reappointments to advisory committees for the College of Agriculture and the Agricultural Experiment Station effective September 1, 1958, for three-year terms.

Agricultural Economics

L. L. COLVIS, Decatur (General Manager, Illinois Livestock Marketing Association)

I. FRANK GREEN, Peoria (Vice-President, Commercial National Bank)

Agricultural Engineering

A. D. ODERKIRK, DeKalb (Babson Farms, Inc.)

Agronomy

WILLARD COOK, Route 1, DeKalb
A. G. SIEBEN, Geneseo (Sieben
Hybrids)

Animal Science

HENRY A. SIMMS, Albion
HAROLD STEELE, Princeton

Dairy Science

RALPH L. NICHOLS, Hebron

Forestry

ALBERT C. FOLEY, Paris (President,
T. A. Foley Lumber Company)

*Horticulture (Vegetables, Fruits,
Ornamentals)*

LOUIS RATZESBERGER, JR., Hoopeston
(The Illinois Canning Company)

Horticulture (Floriculture)

GEORGE K. BALL, West Chicago (Pres-
ident, George J. Ball Company)

I concur.

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

APPOINTMENTS TO THE FACULTY

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

1. MAUD A. ADAMS, Assistant Professor in the School of Nursing, beginning July 1, 1958, at an annual salary of \$7,000 (BY).
2. CARL J. ALTSTETTER, Assistant Professor of Metallurgical Engineering, beginning September 1, 1958, at an annual salary of \$6,200 (B).
3. WILLIAM W. BOONE, Associate Professor of Mathematics, beginning September 1, 1958, at an annual salary of \$8,500 (D).
4. HARRY P. BROQUIST, Associate Professor of Biological Chemistry in the Department of Dairy Science, beginning September 1, 1958, at an annual salary of \$11,000 (DY).
5. LAWRENCE CALCAGNO, Professor of Art, beginning September 16, 1958, at an annual salary of \$8,400 (E).
6. RAYMOND A. DAVIDSON, Assistant Professor of Electrical Engineering, beginning September 1, 1958, at an annual salary of \$7,000 (D).
7. GLENN W. FISHER, Research Assistant Professor in the Institute of Government and Public Affairs, beginning September 1, 1958, at an annual salary of \$8,000 (DY).
8. OM PRAKASH GUPTA, Assistant Professor of Applied Materia Medica and Therapeutics, in the College of Dentistry, beginning September 1, 1958, at an annual salary of \$8,000 (DY).
9. LESTER L. HELMS, Assistant Professor of Mathematics, beginning September 1, 1958, at an annual salary of \$6,500 (B).
10. ARTHUR L. HOOKER, Assistant Professor of Plant Pathology and of Agronomy, beginning September 1, 1958, at an annual salary of \$8,200 (S-BY80; C-BY20).
11. IVAR JOHANSSON, George A. Miller Visiting Professor in the Department of Dairy Science, beginning September 1, 1958, at an annual salary of \$8,500 (D).
12. LUIS M. H. LARRAMENDI, Assistant Professor of Anatomy, beginning September 1, 1958, at an annual salary of \$7,800 (BY).
13. HARRY J. LIPKIN, Visiting Associate Professor of Physics, beginning September 16, 1958, at an annual salary of \$9,000 (E).
14. WILLIAM H. MCBURNEY, Assistant Professor of English, beginning September 1, 1958, at an annual salary of \$6,300 (B).
15. ROBERT W. NICKLE, Assistant Professor of Architecture and Art, in the Chicago Undergraduate Division, beginning September 1, 1958, at an annual salary of \$6,500 (B).
16. ROBERT ORNSTEIN, Assistant Professor of English, beginning September 1, 1958, at an annual salary of \$6,500 (B).
17. CHARLES W. MCELROY PRATT, Visiting Associate Professor of Anatomy, in the College of Medicine, beginning September 1, 1958, at an annual salary of \$11,000 (DY).
18. FRANCIS P. PURCELL, Consultant with rank of Associate Professor in the School of Social Work, beginning September 1, 1958, at an annual salary of \$8,550 (DY).
19. J. AUSTIN RANNEY, Associate Dean of the Graduate College and Associate

- Professor of Political Science, beginning September 1, 1958, at an annual salary of \$10,400 (BY59; AY41).
20. BENJAMIN A. RASMUSEN, Associate Professor of Animal Genetics in the Department of Animal Science, beginning September 1, 1958, at an annual salary of \$10,300 (AY).
 21. ANTHONY J. SCHMIDT, Assistant Professor of Anatomy, in the College of Medicine, beginning September 1, 1958, at an annual salary of \$7,510 (BY).
 22. ENRIQUE SCHWARZ, Assistant Professor of Radiology, in the College of Medicine, beginning June 16, 1958, at an annual salary of \$11,900 (DY).
 23. JOSEPH A. TIHEN, Assistant Professor of Zoology, beginning September 1, 1958, at an annual salary of \$5,800 (D).
 24. LUCIEN W. WHITE, Associate Director for Public Service Departments in the Library, and Professor of Library Science, beginning September 1, 1958, at an annual salary of \$12,000 (BY).
 25. ROBERT W. WHITENER, Assistant Professor of Mental Hygiene and Psychiatrist in the Health Service, beginning July 1, 1958, at an annual salary of \$12,000 (DY).

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

DEAN OF LIBRARY ADMINISTRATION

(5) I recommend that the position of "Dean of Library Administration" be created to replace the present position of Director of the Library, and the appointment of the present Director, Robert B. Downs, as Professor of Library Science on indefinite tenure, and Dean of Library Administration and Director of the Library School for one year from September 1, 1958, at a salary of \$18,000 on "Y" basis.

The change in title to an administrative deanship is in recognition of the all-University responsibilities of the office and the increase in those responsibilities in recent years. The head of the University library system is in charge of not only the main Library at Urbana-Champaign but all departmental libraries and the libraries at the Chicago Professional Colleges and at the Chicago Undergraduate Division.

It should be noted that this action does not affect the title of the Director of the Library School, a separate position which, at Illinois, has traditionally been held by the University Librarian.

On motion of Mr. Nickell, this recommendation and appointment were approved.

SABBATICAL LEAVES OF ABSENCE

(6) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1958-59, in accordance with the University of Illinois Statutes and for the period indicated in each case:

DANIEL CURLEY, Assistant Professor of English, first semester (September 1, 1958-February 28, 1959), on one-half pay; second semester (March 1-August 31, 1959), without pay; with the option of changing to leave without pay the first semester, and leave on one-half pay the second semester.

RAYMOND P. STEARNS, Professor of History, second semester, full pay.

As a general rule, recommendations for leaves of absence for an ensuing year are presented to the Board of Trustees the preceding March or April, so that all of them may be considered at one time. In the two cases here recommended, the circumstances justify consideration at this late date.

Professor Curley has recently been awarded a Guggenheim Fellowship which makes it possible for him to be absent from the University for a full year. He did not apply for leave with pay at the time other applications for sabbatical leaves were submitted because he had not been notified of the Guggenheim Fellowship. He plans to spend the year in writing and experimenting with narrative techniques.

Professor Stearns has recently received an invitation to lecture in history at the University of Ghent in Belgium on a Fulbright Grant which will cover his personal travel expenses and provide some maintenance funds. He did not apply for this, and the invitation has come as a surprise. It is a distinct honor for him and to the University that he was invited directly and that he was proposed for this appointment by the American Historical Association.

In both cases the Departments have given assurance that no additional expense to the University will be involved.

It should be noted that four of the sabbatical leaves of absence approved in March have since been cancelled, without prejudice, at the request of the recipients because of changes in personal or departmental plans.

On motion of Mrs. Watkins, these leaves were granted, as recommended.

FEE FOR FLIGHT INSTRUCTION

(7) The Director of the Institute of Aviation, the Committee on Fees, and the Vice-President and Comptroller recommend that the fee for flight instruction be increased from \$275 to \$300 a course beginning with the summer session of 1959. This increase is necessary because of the rising cost of aircraft operation and replacement of equipment.

I concur.

On motion of Mr. Williamson, this fee was authorized.

APPROPRIATION FOR TRANSFORMER IN MUMFORD HALL

(8) Installation of an additional transformer in Mumford Hall for which an assignment of \$23,000 was made by the Board of Trustees has been completed and there remains an unexpended balance of approximately \$7,500. The estimate was made before engineering details had been completed. Some of the job difficulties anticipated did not materialize, and this plus economies in the purchase of the switchboard and transformers resulted in savings.

The next phase in the modernization of electrical facilities in this building is replacement of two existing obsolete single-phase lighting risers in panelboards with new three-phase risers, at an estimated cost of \$8,800 which can be paid for from the balance in the existing appropriation plus funds in the operation and maintenance appropriation of the Physical Plant Department.

The Director of the Physical Plant and the Vice-President and Comptroller request authorization of the use of the balance of the appropriation for the transformer for the additional work described.

I concur.

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

APPRAISAL OF UNIVERSITY BUILDINGS

(9) University policy provides that insurable values of University properties insured subject to co-insurance shall be determined through a computation by the Physical Plant Department, and that the feasibility of continuation of co-insurance shall be determined by outside appraisal. The policy also provides for outside appraisals of buildings when such evaluation is believed desirable.

The University insures only income-producing properties. Fire and extended coverage insurance is carried with the 80 per cent co-insurance clause to obtain lower rates. Consequently, it is important to have accurate evaluations to be sure that the University's coverage is adequate to prevent a loss through underevaluation. The only evaluations accepted without question by insurance companies in the event of an insured loss are those certified by a professional appraisal company.

The Supervisor of Insurance requested bids from Marshall and Stevens, Inc., Chicago, and the Lloyd-Thomas Company, Chicago, on appraisals of the following properties: Allerton elevator buildings, Allerton Four-H Camp, Busey Hall, Evans Hall, Green Street Apartments, Illini Union Building, Lincoln Avenue Residence, Allen Hall, Men's Residence Halls, and Student-Staff Apartments.

The bid of \$8,100 from Marshall and Stevens, Inc., is the lower bid. The survey proposed by the Lloyd-Thomas Company would be more comprehensive but the proposal of Marshall and Stevens, Inc., will serve the purpose.

The Vice-President and Comptroller recommends the employment of Marshall and Stevens, Inc., for this survey at a fee of \$8,100, the cost to be paid from the income from the operations in the buildings, and the funds are available. Consideration will be given to a similar survey in Chicago, and if one is necessary a recommendation will be submitted to the Board.

I concur.

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

CONTRACTS FOR REMOVAL OF HOUSES

(10) The Committee on Buildings and Grounds has approved the removal or demolition of buildings on land purchased by the University within the last two years as future sites for residence halls and other buildings. The Physical Plant Department has secured bids and proposals for the removal of seven houses and recommends that they be disposed of as follows, the contract in each case being awarded to the best bidder:

1005 West Green Street, Urbana

To be sold to Cook and Wiese, Danville, for \$55.00.

1002 West Illinois Street, Urbana

1102 West Green Street, Urbana

610 East John Street, Champaign

The University to pay ABC Wrecking Company, Chicago, a total of \$450 for removal of these houses: \$250 for the removal of the house at 1002 West Illinois Street, \$150 for removal of the house at 1102 West Green Street, and \$50.00 for the removal of the house at 610 East John Street.

1010 West Green Street, Urbana

1012 West Green Street, Urbana

ABC Wrecking Company to remove these for salvage without cost to the University.

The Warm Air Research Residence at 54-56 Gregory Drive will also need to be removed to provide a site for the new University Press Building. The Research Residence was constructed for the University by the National Warm Air Heating and Air Conditioning Association which is constructing a new research residence building for the University in another area. Since the building to be removed belongs to the Association, the Director of the Physical Plant and the Vice-President and Comptroller recommend that the Association be permitted to enter into a contract with Mrs. Lorraine Davis, Urbana, who submitted a proposal for the building and its removal at \$2,043.32. The Committee on Buildings and Grounds has previously approved the removal of this building with the understanding that the proceeds of the sale would go to the Association.

I concur in these recommendations. A schedule of the bids received is attached.

On motion of Mr. Williamson, these recommendations were approved by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

CONTRACT FOR EXTENSION OF STEAM SERVICE TO UNIVERSITY PRESS BUILDING

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$14,888 to the Ideal Heating Company, Chicago, the lowest bidder, for the construction of an underground conduit steam line from the main utilities distribution system tunnel on Gregory Drive to the new University Press Building.

This does not include the installation of certain valves, condensate return pumps, and other accessory equipment within the building at the point of entrance of the steam line. An alternate bid on this phase of the work was received, but since it is out of line with engineering estimates of costs, it is recommended that this alternate not be accepted. Brown, Manthei, Davis, and Mullins, the engineers for this project, will check with Ideal Heating Company to determine if an error was made in the estimation of this alternate and if a lower quotation can be secured. Accordingly, authority is requested to issue a change order for this alternate at a later date in whatever amount seems justified, upon recommendation of the Vice-President and Comptroller and with the approval of the President of the University.

Funds are available in the renewal and replacement budget of the Physical Plant Department.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the

following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

**CONTRACT FOR LANDSCAPING OF MEN'S
RESIDENCE HALLS AREA**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$24,800 to Wandell's Twin City Nursery and Landscape Service, Urbana, the lowest bidder, for the landscaping of the areas of the three new units of the Men's Residence Halls now being completed on the former Parade Grounds.

Funds are available in the construction account for these buildings.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

CONTRACT FOR REROOFING TALBOT LABORATORY

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$9,354 to Petry Roofing and Sheet Metal Company, Champaign, the lowest bidder, for reroofing the Arthur Newell Talbot Laboratory.

Funds are available in the operation and maintenance budget of the Physical Plant Department.

I concur.

On motion of Mr. Bissell, this contract was awarded by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

IMPROVEMENTS IN ICE RINK

(14) The Safety and Fire Prevention Committee has recommended certain improvements in the Ice Rink, the most important being replacement of the ammonia-operated compressor motors and auxiliary equipment. This is the original equipment, installed in 1931, and while it has been well maintained, the machinery is now obsolete, it is beyond further overhauling, and it is considered unsafe by the Safety and Fire Prevention Committee. It is recommended that new Freon machinery be installed.

Other maintenance work needs to be done at the Ice Rink, as recommended by the Safety and Fire Prevention Committee, for example, installation of panic hardware.

The total estimated cost of the minimum improvements necessary is \$75,000. The Athletic Association is financially able to finance this work on a temporary basis but is unable to make a permanent commitment of funds. The Board of Directors of the Athletic Association has allocated this amount so that the work may be completed by the fall of 1958, with the understanding that the University will later reimburse the Association from capital appropriations for remodeling and rehabilitation of buildings.

I recommend approval of this program and that the assignment of funds made by the Board of Directors be confirmed.

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

**ADDITION TO CONTRACT FOR CONSTRUCTION
OF LIBRARY ADDITION**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,138.69 in the contract with Johnson, Drake, and Piper, Incorporated, for the construction of the sixth addition to the University Library to provide for four-inch valves in the heating and ventilating installations

instead of two-inch valves. The specifications for this project indicated simply that safety valves be installed but did not specify the size. The contractor's bidding estimates were based upon the installation of two-inch valves which were considered adequate. The Safety and Fire Prevention Committee has recommended that the installation of the larger valves is desirable and is justified from the standpoint of complete safety. The architects and the Physical Plant Department agree and advise that the contractor should not be called upon to provide the larger valves without additional compensation. His estimates have been checked and found reasonable.

I concur.

On motion of Mr. Swain, the Comptroller was authorized to execute this change in the contract.

ADDITION TO CONTRACT FOR INSTALLATION OF PIPING SYSTEM

(16) The Director of the Physical Plant and Vice-President and Comptroller recommend an increase of \$3,857.11 in the contract with Gallaher and Speck, Incorporated, to revise the installation of circulating water piping for the cooling tower in the addition to Abbott Power Plant. These changes will result in savings in excess of \$8,000 in other phases of the cooling tower work.

I concur.

On motion of Mr. Williamson, the Comptroller was authorized to execute this change in the contract.

ADDITION TO CONTRACT WITH IDEAL HEATING COMPANY FOR PIPING IN UTILITIES DISTRIBUTION SYSTEM

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$5,413 in the contract with the Ideal Heating Company, Chicago, for furnishing and installing of piping in the extension of the utilities distribution system in the area west of First Street and south of Gregory Drive, Champaign.

The original contract for \$183,333 was approved by the Board on August 8, 1957. Previous minor additions have increased this to \$184,572.75. The increase now proposed is to provide for piping for steam service from a loop vault in the utilities distribution system to the new Men's Residence Halls in the Parade Ground area.

Providing the take-off steam service connection to the Residence Halls as a part of the original tunnel and piping work now under contract will result in a better installation, without interruption of service or damage to previously completed work, and at less cost than a service connection installed by separate contract later.

I concur.

On motion of Mrs. Watkins, the Comptroller was authorized to execute this change in the contract.

EXPANSION OF MEDICAL CENTER STEAM COMPANY PLANT

(18) The Board of Trustees approved a contract with Presbyterian-St. Luke's Hospital for steam service from the Medical Center Steam Company plant to the Hospital which requires the addition of a fourth boiler unit to the plant to provide the necessary increase in its capacity. The construction is being done by Stone and Webster Engineering Corporation under a contract between the latter and the Medical Center Steam Company, also authorized by the University.

Before long a fifth boiler unit will be needed to provide steam capacity to serve new University buildings at the Chicago Professional Colleges. The shell of the addition to the steam plant, now under construction, to house a fifth boiler can be enlarged at an additional cost of \$370,000 which would result in a saving of at least \$40,000 compared with the cost of the same addition to the plant building later. The estimated cost of a fifth boiler, if constructed and installed concurrently with the fourth boiler, is \$840,000, an estimated saving of \$220,000, plus any savings as a result of potential price increases, compared with the cost of constructing and installing the boiler later. It was estimated that this reduction in capital costs will also result in savings on principal and interest payments of

approximately \$135,000 over the period of financing the Medical Center Steam Company plant.

The increase of \$370,000 for the construction of the larger addition to the building will require an increase of \$32,000 a year in the Physical Plant Department budget, beginning with the biennium 1959-61, for payment of the increase in debt service in financing this construction; the increase in debt service resulting from the construction and installation of the fifth boiler unit will not go into effect until 1961.

The Director of the Physical Plant, the Vice-President in charge of the Chicago Professional Colleges, and the Vice-President and Comptroller recommend that the Board of Trustees authorize an increase of \$1,210,000 for the construction of the addition to the plant building and for the construction and installation of a fifth boiler in the contract between the Medical Center Steam Company and Stone and Webster Engineering Corporation.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

EASEMENT FOR PRESBYTERIAN-ST. LUKE'S HOSPITAL STEAM TUNNEL

(19) As a supplement to the contract with Presbyterian-St. Luke's Hospital for steam service from the Medical Center System Company plant, it is necessary to grant the Hospital an easement for the construction of the steam tunnel, since this is related to the University's interest in land. Accordingly the following Resolution is offered:

Resolution

Be it and it is hereby, resolved by the Board of Trustess of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of the Board of Trustees be, and they hereby are, authorized to execute and deliver in the name and on behalf of this corporation an agreement for easement, together with such other document or documents as to them may appear necessary and desirable, for the purpose of granting the right, easement, permission and authority to Presbyterian-St. Luke's Hospital and the Medical Center Steam Company to enter upon University property in Chicago, Illinois, bounded on the west by South Wood Street, on the north by West Polk Street, and on the east by South Hermitage Avenue; to construct thereon a steam tunnel extending from the existing valve chamber on South Wood Street approximately 150 feet south of West Polk Street, to a connection with an existing steam distribution tunnel on South Hermitage Avenue just south of the intersection of South Hermitage Avenue and West Polk Street, and related facilities and appurtenances; and to use, operate, maintain, renew and remove said tunnel, facilities and appurtenances; together with the right of ingress to and egress from said land at all times for any and all such purposes; said Presbyterian-St. Luke's Hospital and Medical Center Steam Company to agree to restore as nearly as possible to its original condition any and all University property damaged or disturbed by such construction, use, operation, maintenance, renewal and removal; and said Presbyterian-St. Luke's Hospital and Medical Center Steam Company to agree to indemnify this corporation against loss in any way arising out of this project; for so long as used for said purposes, and until this corporation acquires title and ownership of the property and facilities of Medical Center Steam Company; in consideration of One Dollar and other good and valuable consideration.

On motion of Mrs. Watkins, the foregoing resolution was adopted by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

EXPANSION OF STEAM DISTRIBUTION SYSTEM IN CHICAGO

(20) The Board of Trustees approved a contract to supply steam service to the National Society for Crippled Children and Adults in the Medical Center District

in Chicago. A steam distribution and condensate return system to carry 30,000 pounds an hour maximum capacity is being built from the corner of Wolcott and Polk Streets to the corner of Damen and Polk Streets, at an estimated cost of \$95,000.

The construction is being done under a reimbursable cost contract between the Pioneer Service and Engineering Company and the Medical Center Steam Company, which contract was authorized by the University.

The Chicago Medical School authorities wish to negotiate for steam service to buildings which the School is planning to build in the Medical Center District in 1960 and 1962. The buildings will be in a location where they could be served by the distribution system now under construction. The maximum steam requirement requested by the Chicago Medical School is 30,000 pounds an hour.

The cost of the distribution system now under construction is being shared by the University and the National Society for Crippled Children and Adults, with the University paying approximately \$90,000 of the cost. The Pioneer Service and Engineering Company estimates that an increase in the capacity of the line now under construction to provide for maximum demand of 60,000 pounds would add only \$15,000 to the cost at this time.

Increasing the capacity of the distribution system while it is under construction would result in material savings in the ultimate cost. The additional cost would be more than recovered since the University's share of the cost of the line, now approximately \$90,000, would be reduced to approximately \$52,000 by payments from the Chicago Medical School, if negotiations with that institution result in a contract for steam service. Accordingly, the Director of the Physical Plant, the Vice-President in charge of the Chicago Professional Colleges, and the Vice-President and Comptroller recommend that:

1. University officers be authorized to negotiate with the Chicago Medical School to furnish steam to its buildings on the same terms and policies as contracts with other consumers. This would be consistent with the policy of the Board of Trustees in the operation of the Medical Center Steam Company to furnish steam to any governmental agency, educational institution or charitable organization, or any other institution in the Medical Center District upon application and upon certification by the Medical Center Commission that the agency or institution is a qualified applicant for steam service, subject to availability of an adequate supply of steam.

2. The Board authorize an addition to the Medical Center Steam Company's contract with the Pioneer Service and Engineering Company for an increase in the capacity of the line from 30,000 pounds an hour maximum demand to 60,000 pounds an hour maximum demand at an estimated increase in cost of \$15,000.

No additional assignment of funds is needed, as the amortization of the added investment in the system can be provided from funds in the Physical Plant Department budget.

I concur.

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

STEAM SERVICE TO THE CHICAGO FOUNDLINGS HOME

(21) The Chicago Foundlings Home, which will in the near future begin construction of a new building in the Medical Center District, has requested the University to supply steam service to that building. The steam required by the Home will not exceed 5,000 pounds an hour. If other recommendations being made separately for the expansion of the steam plant facilities are approved, the steam required by the Chicago Foundlings Home can be supplied.

In keeping with University policy in the operation of the Medical Center Steam Company of supplying steam to qualified users in the Medical Center District, if the steam plant has the capacity to do so, the Director of the Physical Plant, the Vice-President in charge of the Chicago Professional Colleges, and the Vice-President and Comptroller recommend authorization of negotiations with the Chicago Foundlings Home to supply the steam as requested on the same terms and conditions as in contracts with other consumers.

I concur.

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

CHANGE IN CONTRACT FOR ARCHITECTURAL SERVICES

(22) The University has a contract with Ambrose M. Richardson of Ambrose M. Richardson and Associates, Champaign, for architectural consultant and design services for one year from August 1, 1957, with a maximum cost of \$48,500. The scope of work on which these services have been needed has changed. The Director of the Physical Plant and the Vice-President and Comptroller recommend that the maximum cost be increased to \$51,000 with the following adjustments in allocations:

	<i>Original Amount</i>	<i>Revised Amount</i>
Men's Residence Halls, Stage 4.....	\$21 000	\$ 8 000
Women's Residence Hall.....	13 000	13 000
Continuing Services on Housing Projects and Fine Arts Building.....	1 500	3 000
Campus Plan Studies and Consultative Services..	13 000	27 000
<i>Total.....</i>	<i>\$48 500</i>	<i>\$51 000</i>

The Director of the Physical Plant and Vice-President and Comptroller further recommend a new contract for continuation of these services (the name of Mr. Richardson's firm is now Richardson, Severns, and Associates) for the fiscal year 1958-59 for the following:

1. Continuation of Urbana campus plan studies.....	\$10 000
2. Preparation of a campus plan study for the Chicago Professional Colleges.....	16 000
3. Completion of design work on Single Men's Housing Project No. 3.....	\$ 2 000
Single Women's Housing Project No. 2.....	2 000
Fine and Applied Arts Building and Krannert Art Museum.....	2 000
4. New design projects Single Women's Housing Project No. 3.....	13 000
Single Men's Housing Project No. 4.....	17 000
5. Design consultation on other projects as requested.....	30 000
<i>Total Estimate for the Year.....</i>	<i>\$65 000</i>

Items 1 and 2 can be financed from current appropriations for architectural studies. Funds are available in the construction contracts for services chargeable to the Fine and Applied Arts Building and the Krannert Art Museum. The remainder of Items 3 and 4 can be financed through temporary assignments of University funds which will be reimbursed when funds are borrowed for the construction work. Work under Item 5 will be activated by recommendations to and approval by the Comptroller.

Payments on this contract will be made monthly for labor at cost (A. M. Richardson at \$10.00 an hour, John Severns at \$5.00 an hour, and draftsmen at \$3.00 an hour), plus 75 per cent commission; other items such as materials for models, travel expenses, reproduction of drawings above two copies of each, and miscellaneous expenses on actual cost basis.

All buildings under this contract will be audited by the Business Office.

I concur.

On motion of Mrs. Watkins, this contract was authorized by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

ESTATE OF LAVERNE NOYES

(23) The Board of Trustees authorized an agreement with the other college and university beneficiaries of the Estate of LaVerne Noyes whereby administrative trustees were appointed for the purpose of developing and carrying out a program for the retention, distribution, or liquidation of stock in the Aermotor Corporation, the principal assets of this Estate.

Based on the Corporation's record of earnings for the past several years, the administrative trustees concluded that the best interests of the beneficiary institutions would be served by disposing of the Aermotor shares. This sale was consummated on June 3, 1958. Immediately prior to this transaction, securities held in the investment portfolio of the Aermotor Corporation were transferred to the Trustees as a dividend, and assets in a separate Trust Estate were released to its Trustees by the purchase of annuity contracts for the beneficiaries of that Trust. All securities thus received were sold, thereby converting the Trust Estate to an all cash position.

The total proceeds of these transactions were deposited with the Northern Trust Company and, with the exception of approximately \$5,000 retained to pay for further expenses including an audit report, have now been distributed to the beneficiary institutions in the proportion that those institutions participated in the original Trust created by the will of Mr. Noyes. The amount received by the University of Illinois is \$220,131.33 which will be invested as an endowment and the income used for the purposes of the original gift.

The receipt of this sum, plus a small additional amount that may be received in the future, completes the liquidation of the University's interest in this Trust Estate.

This report was received for record.

PURCHASES

Purchases Authorized

(24) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. In each case the purchase was recommended on the basis of the lowest bid.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
68 sink base cabinets	Housing	Thompson Lumber Co., Champaign	\$6 998 00
55 base cabinets			f.o.b.
68 formica counter tops (For conversion of Arbor Suites to apartments)			delivered
One Varian model V-4004 four-inch laboratory electromagnet with one pair tapered pole caps, one pair cylindrical caps, one V-2300A power supply, and one V-2301A current regulator	Physics	Varian Associates, Palo Alto, Calif.	4 275 00 f.o.b. Palo Alto, Calif.
Labor and equipment to unload approximately 1,233 tons of iron plate from railroad cars and move to location and stack on south side of Physics Research Laboratory	Physics	Don McCabe Co., Champaign	5 548 50
Lead coated copper sheets as follows: 170 36 in. by 96 in., 20 oz. 12 24 in. by 96 in., 20 oz. 120 24 in. by 96 in., 16 oz. 5 36 in. by 36 in., 16 oz.	Physical Plant	Industrial Metals, Inc., St. Louis, Mo.	4 524 72 f.o.b. delivered
Replacement parts for General Precision Laboratory image orthicon camera	Television-Motion Pictures	National Theatre Supply Co., Chicago	2 743 93 f.o.b. Pleasantville, N.Y.

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

Purchases Recommended

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

I concur.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
70,000 (approximately) answer sheets of statewide testing program to be scored	Bureau of Educational Research	Measurement Research Center, Inc., Iowa City, Iowa	\$8 400 00 f.o.b. Iowa City, Iowa

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Laboratory chemicals (321 items) to be used as stock in the General Chemical Stores for the summer and fall terms 1958-59	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo. General Chemical Co., Chicago Fisher Scientific Co., Chicago Rascher & Betzold Co., Chicago Schaar & Co., Chicago Merck & Co., St. Louis, Mo. J. T. Baker Chemical Co., Chicago Arthur S. LaPine & Co., Chicago Wilkens-Anderson Co., Chicago	\$7 229 92 3 011 47 1 959 06 1 572 72 1 534 86 1 277 52 818 49 444 18 93 38
(All prices include delivery)			
One lot laboratory glassware and assorted apparatus	General Chemical Stores	Chicago Apparatus Co., Chicago	18 356 34 f.o.b. delivered
96 drums of acetone, C.P., in 54 gallon drums to be delivered at the rate of eight drums per month ending in July, 1959	General Chemical Stores	Central Solvents & Chemicals Co., Chicago	4 147 20 f.o.b. delivered
One sample changer for automatic tri-carb liquid scintillation counter	Chemistry and Chemical Engineering	Packard Instrument Co., Inc., LaGrange	3 600 00 f.o.b.
One control unit for relay rack mounting	Chemistry and Chemical Engineering	Varian Associates, Palo Alto, Calif.	LaGrange
One field conversion accessory to convert V-4300-2 dual purpose spectrometer to V-4302 dual purpose spectrometer, including all parts and engineering services for conversion	Chemistry and Chemical Engineering	Varian Associates, Palo Alto, Calif.	9 400 00 f.o.b. Palo Alto, Calif.
One X-ray unit, industrial type, portable, 200 k.v.p., complete with control	Civil Engineering	Radiation Equipment Co., Chicago	4 570 00 f.o.b. Norristown, Pa.
One Varian model V-4004 four-inch laboratory electromagnet with two extra pairs of pole caps, one V-2300A power supply, and one V-2301A current regulator	Electrical Engineering	Varian Associates, Palo Alto, Calif.	4 395 00 f.o.b. Palo Alto, Calif.
Approximately 600 cases of Pyrex laboratory glassware to be used by the Chicago Colleges and Divisions in the year of 1958-59	Chicago Colleges and Divisions	Fisher Scientific Co., Chicago (100 cases) W. M. Welch Manufacturing Co., Chicago (100 cases) A. Daigger & Co., Chicago (100 cases) Rascher & Betzold Co., Chicago (100 cases) Arthur S. LaPine & Co., Chicago (100 cases) Central Scientific Co., Chicago (100 cases)	3 500 00 3 500 00 3 500 00 3 500 00 3 500 00 3 500 00
Eight microscopes each with accessories	Dermatology	W. H. Kessel & Co., Chicago	2 952 00 f.o.b. delivered
Refrigerated centrifuge and accessories	Medicine, Surgery	A. S. Aloe & Co., Chicago	2 608 00 f.o.b. delivered
Ten monocular laboratory microscopes, less trade-in allowance on one used microscope	Medicine, Microbiology	American Hospital Supply Corp., Evanston	2 594 50 delivered
22,000 special enfold patient chart folders (numbered)	Medical Records, Research and Educational Hospitals	Diebold, Inc., Chicago	6 648 20 f.o.b. delivered
2,000 special enfold patient chart folders (unnumbered)			
10,000 admission divider sheets			
12 microscopes metallurgical complete with 5x, 10x, and 40x achromatic objectives, 5x, 10x, and 15x compensating eyepieces, vertical illumination, and cabinet	Mining and Metallurgical Engineering	Unitron Instrument Division, United Scientific Co., Boston, Mass.	2 775 60 f.o.b. Boston, Mass.
One Varian model V-4012A electromagnet with 12 in. diameter poles and 2.84 in. air gap, and one model V-2100B magnet power supply	Physics	Varian Associates, Palo Alto, Calif.	14 925 00 f.o.b. Palo Alto, Calif.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two vidicon, field camera chains and related equipment	Television-Motion Pictures	Radio Corp. of America, Chicago	\$22 087 35 f.o.b. Camden, N.J.
One 6.5 cubic foot sub-zero freezer, 220-volt 60-cycle	Veterinary Medicine	E. H. Sargent & Co., Chicago	2 598 00 f.o.b. delivered
73 16 mm. films	Audio-Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	7 815 00 f.o.b. Wilmette
41 16 mm. films	Audio-Visual Aids Service	Mid America Films, Lyons, Wis.	3 595 00 f.o.b. shipping point
38 16 mm. films	Audio-Visual Aids Service	United World Films, Inc., New York, N.Y.	3 316 77 f.o.b. New York, N.Y.
122 16 mm. films	Audio-Visual Aids Service	Coronet Films, Chicago	9 658 75 f.o.b. destination
78 16 mm. films	Audio-Visual Aids Service	Text-Film Department, McGraw-Hill Book Co., Inc., New York, N.Y.	8 367 50 f.o.b. New York, N.Y.
1,200 tons pea size coke to be delivered to the various housing units during the year ending June 30, 1959	Housing	Mooney Coal Co., Urbana	29 280 00
160 desk, floor, and table lamps and shades (for Men's Residence Halls)	Housing	L. B. Herbst Corp., Chicago	3 668 40 f.o.b. delivered
750 64 in. by 90 in. blankets, 90 per cent wool, 10 per cent nylon	Housing, Women's Residence Halls	Karoll's, Inc., Chicago	2 992 50 f.o.b. delivered
Plates, sauce dishes, grapefruit nappies, cups and saucers in Cardinal line pattern, Syracuse china	Housing	E. A. Hinrichs & Co., Chicago	3 188 50 f.o.b. Urbana
Rugs and pads for public areas and apartments in Men's Residence Halls	Housing	Mandel Brothers, Inc., Chicago	5 126 94 f.o.b. delivered and installed
Stainless steel griddle stand, refrigeration unit, sandwich unit and compressor, and drink dispenser	Illini Union	L. B. Herbst Corp., Chicago	4 357 15 f.o.b. Urbana
250 cases toilet tissue	Physical Plant	Shorr Paper Products, Inc., Aurora	3 549 07 f.o.b. delivered
400 cases paper towels	Physical Plant	Courtesy Motor Sales, Inc., Chicago (Ford)	4 471 55
Six four-door sedans	State Natural History Survey	Seven four-door sedans	
One four-door sedan with power brakes and power steering		Litsinger Motor Co., Chicago (Ford)	1 957 00
One four-door, six-passenger station wagon		One six-passenger station wagon	
Less trade-in allowance for seven four-door sedans in the present University fleet. The four-door station wagon is an addition to the fleet.			
Ten four-door sedans	Physical Plant	Lawder Bros., Inc., Chicago (Ford)	7 325 85
Three station wagons, four-door, eight-passenger	Animal Science	Nine four-door sedans	
One pickup truck, one-half ton	Veterinary Medicine	Kap Chevrolet Co., Monticello	3 104 61
One panel truck, one-half ton		Three station wagons	
One truck cab and chassis, 41,000 lb. g.v.w.		University Ford Sales, Champaign	1 285 00
Less allowance for ten four-door sedans, three station wagons, and one pickup truck, now in the University fleet. The panel truck and truck cab and chassis are additions to the fleet.		One four-door sedan	
		Litsinger Motor Co., Chicago (Ford)	1 370 00
		One pickup truck	
		Courtesy Motor Sales, Inc., Chicago (Ford)	1 883 00
		One panel truck	
		International Harvester Co., Springfield	7 642 71
		One truck cab and chassis	

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Refuse hauling equipment including hoist unit (to be mounted on truck cab and chassis furnished by the University), one 20-cubic yard container, and three 30-cubic yard containers	Physical Plant	Coleman & Associates, Rockford	\$13 793 50 f.o.b. Kalamazoo, Mich.
Fire, extended coverage, vandalism and malicious mischief insurance for five years, subject to 80 per cent co-insurance covering the Staff Apartment Building, 809 South Marshfield Avenue, Chicago, insurable value \$1,490,000, and contents, insurable value, \$90,000	Chicago Professional Colleges, Housing Division	Cogdal & Koehn, Urbana, representing the Freeport Insurance Co. Liberty Mutual Insurance Co., Chicago	2 136 38 1 049 54
One rotary table, two axes, with angular accuracies of better than one minute on both axes	Control Systems Laboratory	George Scheer Co., Inc., New York, N.Y.	6 735 00 f.o.b. delivered
5,184 pounds reagent grade anhydrous ether	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo.	6 440 46 f.o.b. delivered
2,640 pounds reagent grade acetone			
4,320 pounds reagent grade chloroform			
4,500 pounds reagent grade methyl alcohol			
800 reams (54,800 pounds) enamel book paper	Office Supply Stores	Marquette Paper Corp., Chicago	10 069 50 f.o.b. delivered
One lot of equipment to adapt University of Illinois Simplex projectors to widescreen cinemascope and magoptical prints including screen, lenses, and plates	Physical Plant	National Theatre Supply Co., Chicago	4 226 70 f.o.b. delivered
One Simplex optical sound system			

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

COMPTROLLER'S REPORT OF CONTRACTS

(25) The Comptroller's report of contracts executed during the period June 1 to 30, 1958.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Board of Education, LaSalle-Peru High School and Junior College, District No. 120	School survey	\$ 5 500 00	May 26, 1958
California Spray-Chemical Corp.	Fungicides on diseases of apples and grapes	300 00	June 1, 1958
Massachusetts Institute of Technology	Collection of severe local storm data	5 000 00	May 1, 1958
Mayflower Warehousemen's Association	Determine what relationships exist between salesmen compensation plans used and the sale volume achieved	3 450 00	June 24, 1958
Village of Rantoul	Fiscal and control system of an incorporated village	4 000 00	June 4, 1958
United States Air Force AF 29(601)-1162	Confidential	50 000 00	May 8, 1958
United States Air Force AF 49(638)-420	Crystallography and morphology of martensites and of the properties of dislocations in crystals	91 858 00	April 16, 1958
United States Army DA-11-022-ORD-2772	Reactions of nitrogen II oxide	7 298 50	June 5, 1958
United States Army DA-49-007-MD-940	Conduct a correlated electrochemical and morphological study of epithelial surfaces of the oral cavity	3 725 00	May 1, 1958
United States Navy Nonr-1459(04)	Improve and develop a method of pulpotomy	12 000 00	May 12, 1958
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State University of Iowa	Develop a rational method for the evaluation of stiffness parameters, damping coefficients, and equivalent masses for missile launching platforms	\$ 8 535 00	May 29, 1958

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Moorman Manufacturing Co.	Nutritional quality of pig starter rations	\$ 2 600 00	June 1, 1958
State of Illinois State Housing Board	Analysis of proposed planning programs for Illinois municipalities of less than 25,000 population	3 000 00	June 12, 1958
United States Air Force AF 18(600)-80	Physiological basis for various constituents in survival rations	4 200 00	June 12, 1958
United States Air Force AF 18(603)-22	Diffusion and phase changes in metals with internal friction techniques	21 805 00	April 4, 1958
United States Air Force AF 18(603)-106	Diffusion in metals	25 000 00	April 14, 1958
United States Air Force AF 29(601)-464	Analysis and design of domes, arches, and shells	49 961 00	April 29, 1958
United States Air Force AF 29(601)-468	Static and dynamic testing of deep structural elements	59 041 00	April 29, 1958
United States Army DA-11-022-ORD-874	Nucleophilic attack of aromatic rings by organometallic compounds	8 098 00	June 9, 1958
United States Army DA-11-022-ORD-992	Phenomenon of superconductivity	34 300 00	June 12, 1958
United States Army DA-11-022-ORD-1001	Conduction of electricity in solids	21 260 00	June 18, 1958
United States Army DA-49-077-MD-622	Enzymatic activity of salivary glands	9 455 00	May 1, 1958
United States Army DA-49-007-MD-728	Effects of irradiated foods included in a ration fed to dogs	26 679 00	May 16, 1958
United States Army DA-49-007-MD-794	Carcinogenicity of foods preserved by radiation	16 424 00	April 1, 1958
United States Atomic Energy Commission AT(11-1)-67 Project No. 17	Effects of intragastric irradiation with beta rays	2 687 00	June 19, 1958
United States Atomic Energy Commission AT(11-1)-182	Radiation damage to solid materials	165 910 00	May 21, 1958
United States Navy N6 ori-071-(30)	Solving problems by high-speed electronic computers	32 510 00	May 6, 1958
United States Navy Nonr-1834(19)	Dielectric and semiconducting solids	6 000 00	May 1, 1958
United States Navy Nonr-1834(22)	Design, construct, and operate equipment for the observation of the radio frequency spectra	200 000 00	March 1, 1958
United States Navy Nonr-2395 (00)	Tracking data on the earth-satellite orbit	1 000 00	May 19, 1958
Wyandotte Chemicals Corp., Air Force sub-contract, AF 33(616)-5053	Synthesis of liquids	6 000 00	May 27, 1958

Adjustments Made in 1957-58 Cost-Plus Contract

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Thirty-one items; \$118.39 deduct to \$567.00	\$ 1 561 44	May and June, 1958

This report was received for record.

**REPORT OF EXECUTIVE COMMITTEE ON CONTRACT FOR
ENGINEERING SERVICES ON CONSTRUCTION
OF PARKING FACILITIES**

(26) Upon recommendation of the Director of the Physical Plant, the Vice-President and Comptroller, and the President of the University, the Executive Committee of the Board of Trustees has authorized a contract with Clark, Daily, and Dietz, Urbana, for engineering services in the preparation of plans and specifications for the new, permanent parking areas for faculty and staff, and parking compounds for storage of student automobiles, construction of which was previously authorized by the Board of Trustees. The amount of the contract was negotiated on a lump sum basis. The rates to be charged are in accordance with the schedule of recommended fees for engineering services adopted by the Illinois Society of Professional Engineers. The contract provides for percentages based

on varying volumes of work and takes into account work completed by the Physical Plant Department. The total fee will be about 3.84 per cent of the total construction cost but will not exceed \$15,000.

This report was received for record.

CONTRACT FOR CONSTRUCTION OF PARKING LOTS

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$375,450 to the Champaign Asphalt Company, Champaign, the lowest bidder, for the construction of the following parking lots on the campus at Urbana-Champaign:

Burrill Avenue Improvements.....	\$ 57 000
This will include the widening of Burrill Avenue to a paved width of 60 feet between Green Street and Springfield Avenue, except for the bridge over the "Boneyard," and will provide right angle parking for 141 cars.	
Staff Parking Lots.....	98 700
This will include expansion and construction of new parking areas north of the Men's Old Gymnasium and on the west side of Romine Street (at the southeast area of Illinois Field); east of Davenport Hall; northwest of Bevier Hall—Home Economics; and north and south of George Huff Gymnasium. These areas will provide spaces for 353 cars.	
Student Parking Compounds.....	177 550
This will include the construction of two parking compounds for student cars each providing approximately 350 spaces. One will be west of First Street between Florida Avenue extended and St. Mary's Road; the other will be east of Goodwin Avenue extended and south of Florida Avenue.	
Lighting for above areas.....	41 300
<i>Total</i>	<u>\$375 450</u>

The University of Illinois Foundation will borrow the funds to finance these improvements. The University will finance the construction temporarily and upon completion of the improvements the University will sell the lots to the Foundation for \$440,000. The Foundation will borrow this amount from the First National Bank of Chicago for 3½ per cent interest per year with semi-annual maturities through 1964. The Foundation will lease the lots to the University for \$90,000 a year which will be sufficient to amortize principal and interest payments on the amount borrowed. University payments will be from the income from special fees charged student car owners and rental paid for staff for reserved parking spaces.

The First National Bank of Chicago previously agreed to a loan of \$400,000 to finance these improvements and the University of Illinois Foundation has approved the program. Preliminary negotiations with the bank indicate that the bank is willing to increase the loan to \$440,000. Formal resolutions relating to this financing will be drafted for adoption by the Board of Trustees at its meeting in September.

An assignment of funds to the Physical Plant Department will be required for the operation and maintenance of these parking areas and a recommendation on this will also be submitted to the Board later.

I recommend that the Board of Trustees approve these financial arrangements and the award of a contract to the Champaign Asphalt Company.

On motion of Mr. Hughes, this financing program was authorized, and the contract was awarded, as recommended, by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

NONSALARIED FACULTY OF THE COLLEGE OF MEDICINE, 1958-59

(28) I present the following list of appointments to the nonsalaried faculty of the College of Medicine for the academic year beginning September 1, 1958,

unless otherwise indicated, and request that the President of the University be authorized to make such additional appointments and other changes, and to accept resignations, as are desirable and necessary.

Appointments of Professors and Associate Professors are on indefinite tenure; all others are for one year from September 1, 1958, unless otherwise stated. New appointments are so indicated.

Summary		
<i>Department</i>	<i>1957-58</i>	<i>1958-59</i>
Anatomy.....	5	5
Biological Chemistry.....	4	5
Clinical Science.....	4	5
Dermatology.....	24 (2)*	22 (2)
Medical Social Work.....	1	1
Medicine.....	236 (21)	270 (20)
Microbiology.....	3	2
Neurology and Neurological Surgery.....	9	12
Obstetrics and Gynecology.....	90 (3)	89 (3)
Ophthalmology.....	60 (2)	65 (2)
Orthopaedic Surgery.....	23 (2)	26 (1)
Otolaryngology.....	67 (6)	68 (6)
Pathology.....	35	33 (1)
Pediatrics.....	60 (4)	62 (5)
Pharmacology.....	3	4 (1)
Physical Medicine and Rehabilitation.....	3	3
Physiology.....	3	4
Preventive Medicine.....	2	3 (1)
Psychiatry.....	90 (4)	90 (4)
Public Health.....	6	6
Radiology.....	17	21
Surgery (including Urology and Anesthesiology).....	189 (11)	189 (13)
<i>Total</i>	934 (55)	985 (59)

Anatomy

GUSTAV ZECHEL, Clinical Associate Professor
 PHILIP CASELLA, Clinical Assistant Professor
 ARTHUR F. CIPOLLA, Clinical Assistant Professor
 LAWRENCE G. KHEDROO, Clinical Assistant Professor
 FRANK A. VICARI, Clinical Assistant Professor

Biological Chemistry

DOUGLAS A. MACFADYEN, Professor
 MAX K. HORWITT, Associate Professor
 SJOERD B. BONTING, Assistant Professor
 HOWARD H. SKY-PECK, Assistant Professor
 GORDON S. STEWART, Assistant Professor

Clinical Science

CARL A. JOHNSON, Assistant Professor
 TSUNG-MIN LIN, Assistant Professor
 KAO HWANG, Research Associate
 GEORGE E. PARK, Research Associate
 DANIEL S. STEVENS, Research Associate

Dermatology

MICHAEL EBERT, Clinical Professor (Rush), *Emeritus*
 JAMES H. MITCHELL, Clinical Professor (Rush), *Emeritus*
 LEONARD F. WEBER, Clinical Professor
 CLARK W. FINNERUD, Clinical Associate Professor (Rush)

* The figures in parentheses indicate the number of emeritus members.

IRENE NEUHAUSER, Clinical Associate Professor
 ALBERT H. SLEPYAN, Clinical Associate Professor
 SIDNEY BARSKY, Clinical Assistant Professor
 SAMUEL W. BECKER, JR., Clinical Assistant Professor
 ALFRED B. FALK, Clinical Assistant Professor
 PAUL R. GRIFFITH, Clinical Assistant Professor
 JOHN B. HAEBERLIN, JR., Clinical Assistant Professor
 MILTON ROBIN, Clinical Assistant Professor
 LOUIS RUBIN, Clinical Assistant Professor
 FRANCIS W. HETREED, Clinical Associate
 STEFAN BIELINSKI, Clinical Instructor
 ALLEN S. PEARL, JR., Clinical Instructor
 HAROLD M. SPINKA, Clinical Instructor
 CORNELIUS A. VANDER LAAN, Clinical Instructor
 VICTOR WILLIAMS, Clinical Instructor
 BERNARD YAFFE, Clinical Instructor
 ROBERT H. HARDING, Clinical Assistant
 ROLAND S. MEDANSKY, Assistant (one year from July 1, 1958)¹

Medical Social Work

JOSEPHINE G. TAYLOR, Clinical Assistant Professor

Medicine

WALTER C. ALVAREZ, Lecturer with rank of Professor, *Emeritus*
 AARON ARKIN, Clinical Professor (Rush), *Emeritus*
 S. HOWARD ARMSTRONG, JR., Professor
 JAMES A. CAMPBELL, Professor
 JAMES B. EYERLY, Clinical Professor (Rush)
 MORRIS FISHBEIN, Lecturer with rank of Professor (Rush), *Emeritus*
 ELLIS B. FREILICH, Clinical Professor, *Emeritus*
 WILLIAM G. HIBBS, Clinical Professor (Rush), *Emeritus*
 WILLIAM S. HOFFMAN, Lecturer with rank of Professor
 ERNEST E. IRONS, Clinical Professor (Rush), *Emeritus*
 FRANK B. KELLY, Clinical Professor (Rush)
 HAROLD C. LUETH, Clinical Professor
 KARL H. PFUETZE, Clinical Professor
 WILBER E. POST, Clinical Professor (Rush), *Emeritus*
 BEN Z. RAPPAPORT, Clinical Professor
 LEROY H. SLOAN, Clinical Professor
 SIDNEY STRAUSS, Clinical Professor, *Emeritus*
 WILLIAM A. THOMAS, Clinical Professor (Rush), *Emeritus*
 ALBERT VANDERKLOOT, Clinical Professor
 MELVIN L. AFREMOW, Clinical Associate Professor
 LYLE A. BAKER, Clinical Associate Professor
 EVAN M. BARTON, Clinical Associate Professor (Rush)
 ARTHUR BERNSTEIN, Clinical Associate Professor
 RICHARD B. CAPPS, Clinical Associate Professor
 LOUIS FELDMAN, Clinical Associate Professor
 JACOB W. FISCHER, Clinical Associate Professor
 MURRAY FRANKLIN, Clinical Associate Professor
 BENJAMIN GOLDBERG, Clinical Associate Professor, *Emeritus*
 JOHN S. GRAETTINGER, Associate Professor
 EARLE GRAY, Clinical Associate Professor (Rush)
 ALVA A. KNIGHT, Clinical Associate Professor (Rush), *Emeritus*
 ROBERT O. LEVITT, Clinical Associate Professor
 MEYER R. LICHTENSTEIN, Clinical Associate Professor
 CLAYTON J. LUNDY, Clinical Associate Professor (Rush)
 FRANK B. LUSK, Clinical Associate Professor, *Emeritus*

¹ Also Resident at Research and Educational Hospitals.

² Also Resident at Presbyterian-St. Luke's Hospital.

³ Also Resident at Illinois Eye and Ear Infirmary.

⁴ Also Resident at Research and Educational Hospitals assigned to Illinois Institute of Juvenile Research.

J. CHARLES McMILLAN, Jr., Clinical Associate Professor
MILTON M. MOSKO, Clinical Associate Professor
OGLESBY PAUL, Clinical Associate Professor
SAMUEL PERLSTEIN, Clinical Associate Professor, *Emeritus*
ISADORE PILOT, Clinical Associate Professor
ISIDORE A. RABENS, Clinical Associate Professor, *Emeritus*
SAMUEL H. ROSENBLUM, Clinical Associate Professor
WILLIAM SAPHIR, Clinical Associate Professor
THEODORE B. SCHWARTZ, Associate Professor
HOWARD M. SHEAFF, Clinical Associate Professor (Rush), *Emeritus*
MITCHELL A. SPELLBERG, Clinical Associate Professor
IRVING E. STECK, Promotion to Clinical Associate Professor
GEORGE W. STUPPY, Clinical Associate Professor (Rush)
EUGENE F. TRAUT, Clinical Associate Professor (Rush)
RALPH W. TRIMMER, Clinical Associate Professor (Rush)
HOWARD WAKEFIELD, Clinical Associate Professor
WILLARD L. WOOD, Clinical Associate Professor (Rush)
OSMUND H. AKRE, Clinical Assistant Professor
LEO E. AMTMAN, Clinical Assistant Professor, *Emeritus*
CARL F. BAUMEISTER, Clinical Assistant Professor
PAUL L. BEDINGER, Clinical Assistant Professor
MAX BERG, Clinical Assistant Professor
GEORGE H. BERRYMAN, Clinical Assistant Professor
HERBERT C. BREUHAUS, Clinical Assistant Professor (Rush)
RALPH G. BROWN, Clinical Assistant Professor
GEORGE V. BYFIELD, Clinical Assistant Professor
THOMAS J. COOGAN, Clinical Assistant Professor
ANGELO P. CRETICOS, Clinical Assistant Professor
THEODORE R. DAKIN, Clinical Assistant Professor
HUGO O. DEUSS, Lecturer with rank of Assistant Professor
NORMAN J. EHRlich, Clinical Assistant Professor
SANFORD A. FRANZBLAU, Clinical Assistant Professor
JOHN A. GARDINER, Clinical Assistant Professor (Rush), *Emeritus*
AARON GUNTHER, Clinical Assistant Professor
WILLIAM J. HAND, Clinical Assistant Professor
PAUL HELLER, Clinical Assistant Professor
BENJAMIN H. HILKEVITCH, Clinical Assistant Professor (Rush), *Emeritus*
HARVEY HORWITZ, Clinical Assistant Professor
HARRY L. HUNTER, Clinical Assistant Professor
EDWIN N. IRONS, Clinical Assistant Professor
ROLAND L. KESLER, Clinical Assistant Professor (Rush)
JANET R. KINNEY, Clinical Assistant Professor
ROY J. KORN, Clinical Assistant Professor
SHELDON E. KRASNOW, Clinical Assistant Professor
GRANT H. LAING, Clinical Assistant Professor
CHARLES H. LAWRENCE, Clinical Assistant Professor
HERMAN A. LEVY, Clinical Assistant Professor
WARREN C. LEWIS, Clinical Assistant Professor
JEROME S. MEHLMAN, Clinical Assistant Professor
JOHN R. NECHELES, Clinical Assistant Professor
BERTRAM G. NELSON, Clinical Assistant Professor (Rush)
BENJAMIN PEARLMAN, Clinical Assistant Professor
LAWRENCE PERLMAN, Clinical Assistant Professor
THEODORE Z. POLLEY, Clinical Assistant Professor
JOHN POST, Clinical Assistant Professor (Rush)
OLDRICH PREC, Lecturer with rank of Assistant Professor
MARJORIE M. PYLE, Clinical Assistant Professor
PAUL RAVENNA, Clinical Assistant Professor
ALFRED H. ROSENBLUM, Clinical Assistant Professor
ANTHONY R. SAPIENZA, Clinical Assistant Professor
ARMIN F. SCHICK, Clinical Assistant Professor (Rush)
JAMES A. SCHOENBERGER, Clinical Assistant Professor
IRVIN S. SIGLIN, Clinical Assistant Professor

ELIZABETH K. STRAUS, Lecturer with rank of Assistant Professor (Rush)
FRANK E. TROBAUGH, JR., Assistant Professor
GRAHAM A. VANCE, Clinical Assistant Professor
SEYMOUR W. WEISBERG, Clinical Assistant Professor
EDWARD O. WILLOUGHBY, Clinical Assistant Professor
ALEXANDER WOLF, Clinical Assistant Professor
HARRY J. YELLEN, Clinical Assistant Professor
SIMON ŽIVIN, Clinical Assistant Professor
THOMAS A. BAIRD, Clinical Associate (Rush)
FRED E. BALL, Clinical Associate
GEORGE P. BALLARD, Clinical Associate
LIONEL M. BERNSTEIN, Clinical Associate
ALBIN M. BRIXEY, Clinical Associate
DONALD T. FOXWORTHY, Clinical Associate
RAYMOND M. GALT, Clinical Associate
MORTON A. GOLDMANN, Clinical Associate
EUGENE GROSZ, Clinical Associate, *Emeritus*
CARL A. HEDBLUM, JR., Clinical Associate
ROBERT N. HEDGES, Clinical Associate
WALTER F. HOEPPNER, Clinical Associate
BENJAMIN M. KAPLAN, Clinical Associate
WILLIAM J. KIRBY, Clinical Associate (Rush)
JOHN M. LEVITSKY, Lecturer with rank of Associate
LESTER A. NALEFSKI, Clinical Associate
DONALD E. O'BRIEN, Clinical Associate
ROBERT M. POSKE, Clinical Associate
HELEN L. RHETTA, Clinical Associate
RIGBY C. ROSKELLEY, Clinical Associate
IRA L. SCHNAER, Clinical Associate
HAROLD SCHOOLMAN, Clinical Associate
J. LISLE WILLIAMS, Associate, *Emeritus*
MAURICE M. ALBALA, Clinical Instructor
BERTHE E. ARMSTRONG, Clinical Instructor
DAVID BALDWIN, Clinical Instructor
ROBERT J. BECKER, Clinical Instructor
RAY F. BEERS, JR., Clinical Instructor
BERNARD BREITZER, Clinical Instructor
WILLIAM E. BRETZ, Clinical Instructor
DAVID BRONSKY, Clinical Instructor
ROBERT W. CARTON, Clinical Instructor
JOHN L. CIRZAN, Clinical Instructor
JOSEPH A. COHEN, Clinical Instructor
DOUGLAS DAVID, Clinical Instructor
CHARLES S. DAVIS, Instructor (one year from July 1, 1958)¹
JOSEPH A. DAVIS, Clinical Instructor
GEORGE A. DEJONG, Clinical Instructor
JOHN A. DETWEILER, Clinical Instructor
HENRY D. DEYOUNG, Clinical Instructor
BERNARD D. EDIDIN, Clinical Instructor
PETER J. FARAGO, Clinical Instructor
ROBERT E. FELIX, Instructor
ELMER W. FISHERMAN, Clinical Instructor
THOMAS J. FITZPATRICK, Clinical Instructor
ROBERT A. FOLEY, Instructor (one year from July 1, 1958)²
RONALD E. FOX, Instructor
WILLIAM I. FREUD, Clinical Instructor
GERHARD FREUND, Clinical Instructor
ROBERT C. FRUIN, Clinical Instructor
CLARENCE L. GANTT, Clinical Instructor
WILLIAM R. GARR, Clinical Instructor
CHARLES A. GIANASI, Clinical Instructor
IRVING GREENSPAN, Clinical Instructor
LUKE J. GRIMELLI, Clinical Instructor

ROLF M. GUNNAR, Clinical Instructor (on leave of absence from July 1, 1958, through June 30, 1959)
JULIUS A. GURVEY, Clinical Instructor
THOMAS H. HAYES, Clinical Instructor
ROBERT N. HEDGES, JR., Clinical Instructor
ROBERT L. HERTING, Clinical Instructor
WILLIAM H. HIGHSTONE, Clinical Instructor
NATHAN J. IGLITZEN, Clinical Instructor
RODNEY A. JAMIESON, Clinical Instructor
LOUIS C. JOHNSTON, Clinical Instructor
FRANK W. JONES, Clinical Instructor
JOHN C. JONES, Clinical Instructor
PHILIP N. JONES, Clinical Instructor
FRANK B. KELLY, JR., Clinical Instructor
WALLACE W. KIRKLAND, JR., Clinical Instructor
SAMUEL KLEIN, Clinical Instructor
SYDNEY KOFMAN, Clinical Instructor
BRUCE D. LEE, Clinical Instructor
AUDLEY R. MAMBY, Clinical Instructor
RANDALL L. MANN, Instructor (one year from July 1, 1958)¹
ROBERT A. MARKELZ, Clinical Instructor
SAMUEL MATLIN, Clinical Instructor
PETER S. MAYER, Clinical Instructor
PAUL A. MEREDITH, Clinical Instructor
THOMAS MORRISON, Clinical Instructor
ROBERT C. MUEHRCKE, Instructor
JOSEPH J. MUENSTER, JR., Instructor
RICHARD H. NEAL, Clinical Instructor
EDWARD A. NEWMAN, Clinical Instructor
JOSHUA ODEN, JR., Clinical Instructor
LEONARD OHRINGER, Clinical Instructor
ROBERT L. PARSONS, Instructor (one year from July 1, 1958)²
CHARLES P. PERLIA, Clinical Instructor
WILLIAM H. PHELAN, Clinical Instructor (fourteen months from July 1, 1958)
ANITA ROBBINS, Clinical Instructor
PATRICK E. ROMANO, Clinical Instructor
DEAN S. ROSSET, Clinical Instructor
SEYMOUR R. SALBERG, Clinical Instructor
RALPH A. SCALA, Clinical Instructor
ROBERT B. SCHLESINGER, Clinical Instructor
WILLIAM E. SCHWIED, Clinical Instructor
WILLIAM K. SCUPHAM, Clinical Instructor
ROBERT E. SLAYTON, Clinical Instructor¹
LEONARD S. SLUZYNSKI, Clinical Instructor
MARSHALL J. SNAPP, Clinical Instructor
WILLIAM R. STARR, Clinical Instructor
HARRY B. STONE, Clinical Instructor
JEROME F. STRAUSS, JR., Clinical Instructor
DONALD W. TARUN, Clinical Instructor
KASRIEL TAUSK, Clinical Instructor
RAYMOND TEPLITZ, Instructor (one year from July 1, 1958)¹
CHESTER B. THRIFT, Clinical Instructor
ALSTON C. TWISS, Clinical Instructor
CHARLES S. VIL, Clinical Instructor
EARL A. VONDRASEK, Clinical Instructor
ERNEST G. WARNER, Instructor (one year from July 1, 1958)²
JACK WILLIAMS, Clinical Instructor
EDWARD J. WISS, Clinical Instructor
CHARLES K. WOLFE, JR., Clinical Instructor
JAMES R. ZVETINA, Clinical Instructor
BURTON R. ANDERSEN, Assistant (one year from July 1, 1958)¹
WILLIAM J. ANDREWS, Clinical Assistant
WARREN C. BARROW, Assistant (one year from July 1, 1958)²

PHILIP E. BLATT, Assistant (one year from July 1, 1958)²
 CARROLL F. BOYLES, Assistant (one year from July 1, 1958)²
 HENRY CHONG, Research Assistant (one year from July 1, 1958)
 JOYCE G. CLEARIHUE, Clinical Assistant (six months from July 1, 1958)
 HUNTER O. CUTTING, Clinical Assistant
 J. CALVIN DAVIS III, Assistant (one year from July 1, 1958)¹
 ROBERT E. DEDMON, Assistant (one year from July 1, 1958)²
 MICHAEL M. DiGILIO, Clinical Assistant
 ROBERT E. ECKLUND, Assistant (one year from July 1, 1958)¹
 PETER G. ECONOMOU, Assistant (one year from July 1, 1952)²
 ALESSANDRO EMANUELI, Research Assistant (one year from July 1, 1958)
 MARY P. FARNES, Assistant (one year from July 1, 1958)²
 WILLIAM E. FISHMAN, Assistant (one year from July 1, 1958)¹
 GEORGE C. FLANAGAN, Assistant (one year from July 1, 1958)²
 RAIMONDS G. GAILITIS, Clinical Assistant (on leave of absence for military service)
 THEODORE H. GASTEYER, Assistant (one year from July 1, 1958)²
 GEORGE B. GOLINKIN, JR., Clinical Assistant
 JEROME J. HAHN, Assistant (one year from July 1, 1958)¹
 PAUL K. HANASHIRO, Assistant (one year from July 1, 1958)²
 ALLEN HOFFMAN, Clinical Assistant
 ALBERT W. HOLMES, JR., Assistant (one year from July 1, 1958)²
 IRENE G. KAGANIEC, Clinical Assistant
 LEONARD KOGAN, Assistant (one year from July 1, 1958)²
 EUGENE S. KRASNOW, Clinical Assistant
 JOHN C. KUKRAL, Clinical Assistant
 JOHN C. KULIS, Clinical Assistant
 JERRY P. LEWIS, Assistant (one year from July 1, 1958)²
 HYMAN MACKLER, Assistant (one year from July 1, 1958)²
 PATRICIA ANN MCCREARY, Clinical Assistant
 VIDVUDS MEDENIS, Clinical Assistant
 ALLEN MEYER, Research Assistant (one year from July 1, 1958)¹
 GEORGE A. NELSON, Assistant (one year from July 1, 1958)¹
 LOUIS M. NEWTON, Assistant (one year from July 1, 1958)²
 JOSEPH R. NORA, Clinical Assistant
 RALPH PACINI, Clinical Assistant
 JOHN H. PETERS, Research Assistant (one year from July 1, 1958)
 ARTHUR R. PETERSON, Assistant (one year from July 1, 1958)²
 WILLIAM J. PIEPER, Assistant (one year from July 1, 1958)¹
 GLOUCESTER A. PRICE, JR., Clinical Assistant
 CALVIN RADIN, Clinical Assistant
 MARVIN S. ROSENBERG, Clinical Assistant
 WILL G. RYAN, Assistant (one year from July 1, 1958)²
 JACK W. SHIELDS, Clinical Assistant
 JAMES P. SHOMAKER, Assistant (one year from July 1, 1958)²
 HAROLD B. SHRIFTER, Clinical Assistant (on leave of absence for military service)
 ANGELO TOIGO, Clinical Assistant
 SHERMAN WEISSMAN, Assistant (one year from July 1, 1958)¹

Microbiology

GEORGE F. FORSTER, Lecturer with rank of Assistant Professor
 RALPH H. HUBBLE, Lecturer with rank of Instructor

Neurology and Neurological Surgery

LOREN W. AVERY, Clinical Professor of Neurology (Rush)
 BEN W. LICHTENSTEIN, Clinical Professor of Neurology
 ARTHUR ARNOLD, Clinical Assistant Professor of Neurological Surgery
 CHARLES S. TEXTOR II, Clinical Assistant Professor of Neurological Surgery
 BEAUMONT JOHNSON II, Clinical Associate in Neurological Surgery
 NATHAN ZOLT, Clinical Associate
 VIRGINIA SORUM, Clinical Instructor in Neurology
 WILLIAM ALLEN, Assistant¹

RICHARD O. BURNS, JR., Assistant¹

PATRICK ELWOOD, Assistant (one year from July 1, 1958)²

GEORGE LIVESAY, Assistant (six months from July 1, 1958)¹

ROY C. SELBY, Assistant (one year from July 1, 1958)¹

Obstetrics and Gynecology

EDWARD D. ALLEN, Clinical Professor (Rush)

HARRY BOYSEN, Clinical Professor (Rush)

ABRAHAM FAE LASH, Clinical Professor

EUGENE A. EDWARDS, Clinical Associate Professor

ARTHUR H. KLAUWANS, Clinical Associate Professor (Rush)

ALFRED J. KOBAK, Clinical Associate Professor

FRED OWEN PRIEST, Clinical Associate Professor (Rush)

GEORGE H. REZEK, Clinical Associate Professor

JOHN R. WOLFF, Clinical Associate Professor

RICHARD H. ANDRESEN, Clinical Assistant Professor

HUGO CARL BAUM, Clinical Assistant Professor (Rush)

SOL J. BENENSOHN, Clinical Assistant Professor

MICHAEL H. BOLEY, Clinical Assistant Professor

CLAIR M. CAREY, Clinical Assistant Professor

AUGUST F. DARO, Clinical Assistant Professor

SOL T. DELLEE, Clinical Assistant Professor

CECIL DRAA, Clinical Assistant Professor (Rush)

DEANE M. FARLEY, Clinical Assistant Professor

JAMES P. FITZGIBBONS, Clinical Assistant Professor

ROBERT J. GLENNER, Clinical Assistant Professor

WALTER C. HAMMOND, Assistant Professor, *Emeritus*

CHARLES D. KRAUSE, Clinical Assistant Professor

JOHN MICHAEL LANG, Assistant Professor, *Emeritus*

RICHARD A. LIFVENDAHL, Clinical Assistant Professor

ROCCO V. LOBRAICO, Clinical Assistant Professor

JOHN S. LONG, Clinical Assistant Professor

ARMAND J. MAUZEY, Clinical Assistant Professor

JOHN W. PAYNE, Clinical Assistant Professor

LOWELL F. PETERSON, Clinical Assistant Professor

FREDERICK J. ROOS, Clinical Assistant Professor

HARRY SERED, Clinical Assistant Professor

C. OTIS SMITH, Clinical Assistant Professor

MANUEL SPIEGEL, Clinical Assistant Professor

FRANK LEE STONE, Assistant Professor, *Emeritus*

JOSEPH B. TETON, Clinical Assistant Professor

HARRY K. WADDINGTON, Clinical Assistant Professor

FRANK J. WALSH, Clinical Assistant Professor

ROBERT A. BEEBE, Clinical Associate

GEORGE C. FINOLA, Clinical Associate

JOSEPH S. ANGELL, Clinical Instructor

OTTO S. ESPINOSA, Instructor (one year from July 1, 1958)²

HARVEY A. GOLLIN, Clinical Instructor

BERNARD M. KAYE, Clinical Instructor

VINCENT A. LAVIERI, Clinical Instructor

JOHN C. MASON, JR., Instructor (one year from July 1, 1958)¹

THEODORE C. MOUZAKEOTIS, Clinical Instructor

JOSEPH J. MULLEN, Clinical Instructor

EDWIN E. NYMAN, Clinical Instructor

PAUL G. PAPA THEODOROU, Instructor (one year from July 1, 1958)²

MICHAEL P. PILL, Clinical Instructor

MEYER D. RUTGARD, Clinical Instructor

JACK A. SAMPSON, Clinical Instructor

HUGH A. SANDERS, Instructor (one year from July 1, 1958)¹

ROY R. SHOAF, Instructor (one year from July 1, 1958)¹

SEYMOUR SHOLDER, Clinical Instructor

HAROLD E. SMITH, Clinical Instructor

ROBERT G. STONE, Clinical Instructor
 EDGAR B. SYLVESTER, Clinical Instructor
 VASIL TRUCHLY, Instructor (one year from July 1, 1958)²
 GEORGE P. VLASIS, Clinical Instructor
 LAVERNE M. WALLHEISER, Clinical Instructor
 ALVIN F. WIERSMA, Clinical Instructor
 JOHN A. AIMONE, Clinical Assistant
 JOHN F. BARTELS, Clinical Assistant
 EDMOND M. BROPHY, Assistant (one year from July 1, 1958)¹
 PAUL A. CAPELLI, Assistant (one year from July 1, 1958)²
 CHILIANO E. CASAL, Assistant (one year from July 1, 1958)²
 DELOS E. COZAD, Clinical Assistant
 ANDREW V. DAHLBERG, Clinical Assistant
 CAROL M. DENIG, Assistant (one year from July 1, 1958)²
 DONALD M. FAHRENBACH, Clinical Assistant
 EDWIN L. FALLOON, Clinical Assistant
 MARIO A. IRIGOYEN, Clinical Assistant
 ELMER J. JUSTEMA, JR., Clinical Assistant
 SIDNEY C. KAHN, Clinical Assistant
 ANTHONY N. KENWICK, Clinical Assistant
 JOHN R. KOSTELNY, Clinical Assistant
 WILBUR J. MARSHALL, Assistant (one year from July 1, 1958)¹
 ADRIAN R. OLECK, Clinical Assistant
 GEORGE PEPPER, Assistant (one year from July 1, 1958)¹
 PHILANDER RICKS, JR., Assistant (one year from July 1, 1958)¹
 MARVIN A. ROSNER, Clinical Assistant
 MELVIN I. ROTH, Assistant (one year from July 1, 1958)²
 PETER SIEGEL, Assistant (one year from July 1, 1958)¹
 JAMES A. SINGLETON, Assistant (one year from July 1, 1958)¹
 LAWRENCE J. SYKORA, Clinical Assistant
 NATHAN TOLWINSKY, Clinical Assistant
 NANCY C. TREADWELL, Clinical Assistant
 BRUCE P. ZUMMO, Clinical Assistant

Ophthalmology

WILLIAM F. HUGHES, Clinical Professor
 WILLIAM F. MONCREIFF, Clinical Professor (Rush)
 CARL APPLE, Clinical Associate Professor
 EARLE B. FOWLER, Clinical Associate Professor (Rush), *Emeritus*
 JOSEPH S. HAAS, Clinical Associate Professor
 DANIEL SYNDACKER, Clinical Associate Professor
 GEORGIANA D. THEOBALD, Clinical Associate Professor and Clinical Pathologist,
Emerita
 THEODORE N. ZEKMAN, Clinical Associate Professor
 JAMES W. CLARK, Clinical Assistant Professor
 LOUIS FEINBERG, Clinical Assistant Professor
 NATHAN H. FOX, Clinical Assistant Professor
 ROBERT R. HERBST, Clinical Assistant Professor
 GILBERT ISER, Clinical Assistant Professor
 HAROLD Q. KIRK, Clinical Assistant Professor
 DAVID B. MAHER, Clinical Assistant Professor
 H. ISABELLE MCGARRY, Clinical Assistant Professor
 G. HENRY MUNDT, JR., Clinical Assistant Professor
 EDWARD A. PUSHKIN, Clinical Assistant Professor
 WILLIAM ROSENBERG, Clinical Assistant Professor
 SAMUEL M. SCHALL, Clinical Assistant Professor
 KARL J. SCHERIBEL, Clinical Assistant Professor (Rush)
 MANUEL L. STILLERMAN, Clinical Assistant Professor
 MARTIN J. URIST, Clinical Assistant Professor
 EDWARD T. JONES, Clinical Associate
 VERNON M. LEECH, Clinical Associate (Rush)

EARL H. MERZ, Clinical Associate
 ROBERT L. ALLEN, Clinical Instructor
 WALTER L. BAYARD, Clinical Instructor
 MICHAEL CARROLL, Clinical Instructor
 JOHN R. CASSADY, Clinical Instructor
 WILLIAM DEUTSCH, Clinical Instructor
 ROBERT I. FIRESTONE, Instructor
 GEORGE T. FITZGERALD, Clinical Instructor
 MARVIN D. HENRY, Clinical Instructor
 ALDONA A. JUSKA, Clinical Instructor
 ALEXANDER N. LETKO, Instructor
 ARTHUR LIGHT, Clinical Instructor
 VALDO P. OLEARI, Clinical Instructor
 JUDITH V. PERRY, Clinical Instructor
 ABRAHAM SCHULTZ, Clinical Instructor
 BARBARA SPIRO, Clinical Instructor
 JOSEPH TATAR, Clinical Instructor
 ALBERT TENNENBAUM, Clinical Instructor
 JACK TRESLEY, Clinical Instructor
 JOHN J. WALSH, Clinical Instructor
 EDWIN S. WOOD, Clinical Instructor
 NOEL A. BOOK, Assistant (six months from July 1, 1958)¹
 EDWIN F. BRACHMAN, Assistant (one year from July 1, 1958)¹
 VIVIAN A. CATION, Assistant (six months from July 1, 1958)¹
 LETICIA M. ENRILE, Assistant (six months from July 1, 1958)¹
 EDWARD FLICK, Assistant (six months from July 1, 1958)¹
 MARTIN A. FLYNN, Assistant (six months from July 1, 1958)²
 SHERWIN A. FOX, Assistant (one year from July 1, 1958)¹
 LAWRENCE N. FRAZIN, Assistant (one year from July 1, 1958)¹
 HAL M. FREEMAN, Assistant (one year from July 1, 1958)¹
 DENNIS HARRIS, Assistant (one year from July 1, 1958)¹
 LEO W. LAKRITZ, Assistant (six months from July 1, 1958)¹
 IRWIN MENACHOF, Assistant (one year from July 1, 1958)¹
 JOHN O. MINIER, Assistant (six months from July 1, 1958)¹
 NORBERT J. NOWICKI, Assistant (one year from July 1, 1958)¹
 BURTON A. RUSSMAN, Assistant (six months from July 1, 1958)¹
 CARL SCHMIDT, Assistant (one year from July 1, 1958)¹
 JOHN B. TURNBULL, Assistant (one year from July 1, 1958)¹
 DAVID C. WHITSELL, Assistant (one year from July 1, 1958)¹

Orthopaedic Surgery

FRANK G. MURPHY, Clinical Associate Professor, *Emeritus*
 CARLO S. SCUDERI, Clinical Associate Professor
 KURT EICHELBAUM, Clinical Assistant Professor
 WALTER R. FISCHER, Clinical Assistant Professor
 WILLIAM A. MARSHALL, Clinical Assistant Professor
 LEO F. MILLER, Clinical Assistant Professor
 FRED SHAPIRO, Clinical Assistant Professor (Rush)
 HORACE E. TURNER, Clinical Assistant Professor
 EVERETT A. GRIMMER, Clinical Associate
 TAWFIK, Y. SABET, Research Associate
 JAMES P. AHSTROM, Clinical Instructor
 LAWRENCE J. BOWNESS, Clinical Instructor
 RICHARD M. CRONIN, Clinical Instructor
 FREDERICK C. FEILER, Instructor (one year from July 1, 1958)¹
 CHARLES E. GAVIN, Instructor (one year from July 1, 1958)¹
 ROBERT P. MEANY, Clinical Instructor
 ALBERT J. NOVOTNY, Clinical Instructor
 CLIFFORD O. NYMAN, Clinical Instructor
 RAYMOND J. PELLICORE, Clinical Instructor
 IRWIN B. RICH, Clinical Instructor
 ELLSWORTH H. TANNEHILL, Clinical Instructor

LOUIS S. VARZINO, Clinical Instructor (Rush)
 BRIAN H. HUNCKE, Assistant (one year from July 1, 1958)¹
 WILLIAM F. MCCOLL, JR., Assistant (one year from July 1, 1958)¹
 WILLIAM H. NEWMAN, Clinical Assistant
 ANTONI TRIAS, Assistant (one year from July 1, 1958)¹

Otolaryngology

DANIEL HAYDEN, Clinical Professor (Rush), *Emeritus*
 ABRAHAM HOLLENDER, Professor, *Emeritus*
 WALTER THEOBALD, Clinical Professor, *Emeritus*
 OLIVER E. VANALYEA, Clinical Professor, *Emeritus*
 ALBERT H. ANDREWS, JR., Clinical Associate Professor
 OSCAR BECKER, Clinical Associate Professor
 WALTER W. DALITSCH, Clinical Associate Professor
 STANTON A. FRIEDBERG, Clinical Associate Professor (Rush)
 ROBERT HENNER, Clinical Associate Professor
 KENNETH C. JOHNSTON, Clinical Associate Professor
 G. KENNETH LEWIS, Clinical Associate Professor
 GEORGE S. LIVINGSTON, Clinical Associate Professor
 SAMUEL MORWITZ, Clinical Associate Professor, *Emeritus*
 LINDEN WALLNER, Clinical Associate Professor (Rush)
 RICHARD WATKINS, Clinical Associate Professor, *Emeritus*
 HELMUT BLUMENTHAL, Clinical Assistant Professor
 EDWARD CHAINSKI, Clinical Assistant Professor
 ARTHUR COOMBS, Clinical Assistant Professor
 CLIFFORD L. DOUGHERTY, Clinical Assistant Professor
 ELMER A. FRIEDMAN, Clinical Assistant Professor
 LOIS GREENE, Clinical Assistant Professor
 IRWIN HORWITZ, Clinical Assistant Professor
 NORMAN LESHIN, Clinical Assistant Professor
 ROBERT LEWY, Clinical Assistant Professor
 LEO SATZ, Clinical Assistant Professor
 LOUIS SAVITT, Clinical Assistant Professor
 FRANK WOJNIAK, Clinical Assistant Professor (Rush)
 I. ERLIN BARTLETT, Clinical Associate
 BRUNO BLUMKLOTZ, Clinical Associate
 ARTHUR LOEWY, Clinical Associate
 JOSEPH ORRICO, Clinical Associate
 ARTHUR RATKO, Clinical Associate
 HARKISHEN SINGH, Clinical Associate
 WILLIAM SMILEY, Clinical Associate
 PIERCE W. THEOBALD, Clinical Associate
 JOHN WEIDEMANN, Clinical Associate
 DAVID AUSTIN, Clinical Instructor
 ROBERT BORKENHAGEN, Clinical Instructor
 DAVID O. DALE, Clinical Instructor
 JEANNETTE FRASIER, Clinical Instructor in Audiology
 JOSEPH GYORKEY, Clinical Instructor³
 COLETTE JEANTET, Clinical Instructor
 ANDREAS KODROS, Clinical Instructor
 ROLAND KOWAL, Clinical Instructor
 MILTON E. KURTH, Clinical Instructor
 MARIO MANSUETO, Clinical Instructor
 ATHANASSIOS PANAGOPOULOS, Clinical Instructor
 EDWARD RAZIM, Clinical Instructor
 KARL H. SIEDENTOP, Clinical Instructor
 KURT SPRINGER, Clinical Instructor
 CHARLES J. YAST, Clinical Instructor
 KENJI AIMI, Assistant¹
 JOHN BAXTER, Assistant (one year from July 1, 1958)¹
 RALPH CASCIARO, Assistant (one year from July 1, 1958)¹
 GEORGE CONNER, Assistant¹

PIERRE DEBLOIS, Assistant¹
 JOSE FERRER, Assistant¹
 GERALD GUEMMER, Clinical Assistant
 A. LAURENCE LEMEL, Assistant (one year from July 1, 1958)¹
 DINO MAURIZI, Assistant (one year from July 1, 1958)¹
 PHILLIP MOZER, Assistant¹
 THADDEUS S. PIERZYNSKI, Assistant (one year from July 1, 1958)¹
 ROBERT PORNOY, Assistant¹
 JOYCE SCHILD, Assistant (one year from July 1, 1958)¹
 LAWRENCE SHAPIRO, Assistant¹
 ALDO SIRUGO, Assistant¹
 LOUIS TENTA, Assistant (one year from July 1, 1958)¹
 RICHARD UNDERRINER, Assistant (on leave of absence for military service)¹

Pathology

GEORGE M. HASS, Professor
 LESTER S. KING, Clinical Professor
 CHARLES E. CAHN-BRONNER, Professorial Lecturer, *Emeritus*
 HAROLD A. GRIMM, Clinical Associate Professor
 JERRY J. KEARNS, Clinical Associate Professor
 AARON LEARNER, Clinical Associate Professor
 COYE C. MASON, Clinical Associate Professor
 C. BRUCE TAYLOR, Associate Professor
 DOROTHY ESHBAUGH, Clinical Assistant Professor
 FREDERIC FLOBERG, Lecturer in Legal Medicine with rank of Assistant Professor
 FRANZ E. HIRSCH, Lecturer with rank of Clinical Assistant Professor
 ROBERT V. HOFFMAN, JR., Clinical Assistant Professor
 GRANT C. JOHNSON, Clinical Assistant Professor
 ALBERT I. RUBENSTONE, Clinical Assistant Professor
 ALBERT W. SCHWEITZER, Clinical Assistant Professor
 JOSEPH C. SHERRICK, Clinical Assistant Professor
 JAMES R. THOMPSON, Clinical Assistant Professor
 PAUL A. VAN PERNIS, Clinical Assistant Professor
 JOHN E. MALONEY, Clinical Associate
 ARNOLD BROWN, JR., Instructor (one year from July 1, 1958)²
 RAYMOND A. CLASEN, Instructor (one year from July 1, 1958)²
 ROBERT H. EDWARDS, Instructor (one year from July 1, 1958)²
 HARTMANN FRIEDERICI, Instructor (one year from July 1, 1958)²
 JAMES E. HABEGGER, Clinical Instructor
 MARILYN J. O'BRIEN, Instructor (one year from July 1, 1958)¹
 ADOLPH J. RABINOVITZ, Clinical Instructor
 RICHARD TRUEHEART, Instructor (one year from July 1, 1958)²
 JONAS VALAITIS, Clinical Instructor
 ROBERT ALEXANDER, Assistant (one year from July 1, 1958)²
 GEORGE E. COX, Assistant (one year from July 1, 1958)²
 EDWARD DOWNS, Assistant (one year from July 1, 1958)¹
 REUBEN EISENSTEIN, Assistant (one year from July 1, 1958)²
 MORRIS LIBRACH, Assistant (one year from July 1, 1958)¹

Pediatrics

I. PAT BRONSTEIN, Clinical Professor
 CRAIG D. BUTLER, Clinical Professor (Rush)
 BENJAMIN M. GASUL, Clinical Professor
 JOSEPH GREENGARD, Clinical Professor
 CLIFFORD GRULEE, Clinical Professor (Rush), *Emeritus*
 ARCHIBALD L. HOYNE, Clinical Professor (Rush), *Emeritus*
 HUGH McCULLOCH, Lecturer with rank of Professor, *Emeritus*
 FREDERIC C. MOLL, Professor
 ALFRED DE BARD BIGGS, Clinical Associate Professor
 LOUIS J. HALPERN, Clinical Associate Professor
 C. JACK HARRISON, Clinical Associate Professor (Rush)
 SAMUEL J. HOFFMAN, Clinical Associate Professor

HARRY LEICHENGER, Clinical Associate Professor
 DANIEL J. PACHMAN, Clinical Associate Professor
 IRVING B. RICHTER, Clinical Associate Professor
 NOEL G. SHAW, Clinical Associate Professor (Rush)
 CHARLES K. STULIK, Clinical Associate Professor (Rush), *Emeritus*
 DOROTHY H. WELKER, Clinical Associate Professor
 LESTER E. BOWER, Clinical Assistant Professor, *Emeritus*
 LAWRENCE BRESLOW, Clinical Assistant Professor
 E. H. CHRISTOPHERSON, Clinical Assistant Professor
 WOODRUFF L. CRAWFORD, Clinical Assistant Professor
 WARREN R. DAMMERS, Clinical Assistant Professor
 WERNER K. GOTTSTEIN, Clinical Assistant Professor
 JOHN B. HALL, Clinical Assistant Professor
 MILDRED R. JACKSON, Clinical Assistant Professor
 HARVEY KRAVITZ, Clinical Assistant Professor
 HERMAN B. LANDER, Clinical Assistant Professor
 MATTHEW LEWISON, Clinical Assistant Professor (Rush)
 HOMER S. PARKER, Clinical Assistant Professor
 MILDRED J. POLNIASZEK, Clinical Assistant Professor
 MARTIN SACKS, Clinical Assistant Professor
 THOMAS P. SALTIEL, Clinical Assistant Professor
 IRENE SHMIGELSKY, Clinical Assistant Professor
 SAMUEL THOMAS, Clinical Assistant Professor
 NORMAN T. WELFORD, Clinical Assistant Professor (Rush)
 A. A. WOLF, Clinical Assistant Professor
 SAMUEL C. HENN, Clinical Associate
 CHARLES E. STEPAN, Clinical Associate
 HANS G. BUCHELERES, Instructor
 MARY DOCHIOS, Clinical Instructor
 LEON GARDNER, Clinical Instructor
 HELEN HAYDEN, Clinical Instructor
 ELVYRA H. KATELE, Clinical Instructor
 ELIZABETH KELLER, Clinical Instructor
 HOWARD J. LEVINE, Clinical Instructor
 JEROME J. LUBIN, Clinical Instructor
 RONALD B. MACK, Clinical Instructor
 JOHN J. MARINO, Clinical Instructor
 HARRY T. NAGEL, Clinical Instructor
 BRUCE B. NEWMAN, Clinical Instructor
 KENNETH S. NOLAN, Clinical Instructor
 FREDERICK L. PHILLIPS, Clinical Instructor
 ALYDA R. RATAJIK, Clinical Instructor
 VLASTIMIL VRLA, Clinical Instructor
 ROBERT E. WILLIAMS, Clinical Instructor
 DANUTA BUZDYGAN, Assistant¹
 ALAN J. CAMIN, Assistant¹
 MOHAMAD R. MOINFAR, Assistant¹
 ANGELES PAPAIOANOU, Assistant¹
 PURIFICACION R. DEL ROSARIO, Assistant¹
 ERNEST I. YAHIRO, Assistant¹

Pharmacology

VICTOR A. DRILL, Lecturer with rank of Professor
 HARRIS ISBELL, Lecturer with rank of Professor
 HUGH A. MCGUIGAN, Professor, *Emeritus*
 WILLIAM H. FUNDERBURK, Lecturer with rank of Assistant Professor

Physical Medicine and Rehabilitation

H. WORLEY KENDELL, Clinical Professor
 EDWARD E. GORDON, Clinical Associate Professor
 MAXWELL D. FLANK, Clinical Assistant Professor

Physiology

LATHAN A. CRANDALL, JR., Lecturer with rank of Professor
HAROLD E. HIMWICH, Lecturer with rank of Professor
CHESTER W. DARROW, Associate Professor
NEENA B. SCHWARTZ, Lecturer with rank of Assistant Professor

Preventive Medicine

THOMAS G. HULL, Associate Professor, *Emeritus*
HAROLD W. SPEIS, Clinical Assistant Professor
HAROLD STEINBERG, Clinical Assistant Professor

Psychiatry

RALPH HAMILL, Clinical Professor (Rush), *Emeritus*
DAVID SHAKOW, Lecturer with rank of Professor
MORRIS BRAUDE, Clinical Associate Professor (Rush), *Emeritus*
HARRY HOFFMAN, Clinical Associate Professor (Rush), *Emeritus*
DONALD A. R. MORRISON, Clinical Associate Professor
MARIANNE SIMMEL, Clinical Associate Professor of Psychology
ALFRED SOLOMON, Clinical Associate Professor
JACK WEINBERG, Clinical Associate Professor
ORVILLE S. WALTERS, Lecturer with rank of Associate Professor (beginning August 1, 1958; annual appointment without indefinite tenure)
JAMES M. ALEXANDER, Clinical Assistant Professor
HAROLD BALIKOV, Clinical Assistant Professor
MILTON C. BAUMANN, Clinical Assistant Professor
HELEN BEISER, Clinical Assistant Professor
E. ELIOT BENEZRA, Clinical Assistant Professor
ANNE BENJAMIN, Clinical Assistant Professor
LEON BERNSTEIN, Clinical Assistant Professor
BERNARD BLOCK, Clinical Assistant Professor
DAVID BROCKMAN, Clinical Assistant Professor
JAMES A. BUETTNER, Clinical Assistant Professor
PAULINE COOKE, Clinical Assistant Professor
ALFRED FLARSHEIM, Clinical Assistant Professor
HAROLD A. GREENBERG, Clinical Assistant Professor
LOUIS HALPERIN, Clinical Assistant Professor
JOHN W. HANNI, Clinical Assistant Professor
DAVID HARMAN, Clinical Assistant Professor
IRVING HARRIS, Clinical Assistant Professor
WALTER KITT, Clinical Assistant Professor
RICHARD KOENIG, Clinical Assistant Professor
ROBERT H. KOFF, Clinical Assistant Professor
JOHN C. LEE, Clinical Assistant Professor
SAMUEL LIEBMAN, Clinical Assistant Professor
JOAN LONGINI, Clinical Assistant Professor
ROBERT G. McMILLAN, Clinical Assistant Professor
WARREN G. MCPHERSON, Clinical Assistant Professor
MARJORIE MEEHAN, Clinical Assistant Professor
ARTHUR A. MILLER, Clinical Assistant Professor
WILLIAM H. MURRAY, Clinical Assistant Professor
JOSEPH G. NEMECEK, Clinical Assistant Professor
MELVIN D. NUDELMAN, Clinical Assistant Professor
ERICH PASCHKES, Clinical Assistant Professor
JACOB PASKIND, Clinical Assistant Professor, *Emeritus*
GEORGE PERKINS, Clinical Assistant Professor
CLIFTON RHEAD, Clinical Assistant Professor
ALAN ROBERTSON, Clinical Assistant Professor
RAYMOND ROBERTSON, Clinical Assistant Professor
MORRIS M. ROSENTHAL, Clinical Assistant Professor
HARRY R. ROWE, Clinical Assistant Professor
LESTER H. RUDY, Clinical Assistant Professor

HENRY L. RUEHR, Clinical Assistant Professor
MARIA BROLLEY SCHWARTZ, Clinical Assistant Professor
HARRY M. SEGENREICH, Clinical Assistant Professor
MORRIS SKLANSKY, Clinical Assistant Professor
W. DAVID STEED, Clinical Assistant Professor
ROBERT L. STEWART, Clinical Assistant Professor
VIRGINIA TARLOW, Clinical Assistant Professor
THOMAS TOURLENTES, Clinical Assistant Professor
SAMUEL VICTOR, Clinical Assistant Professor
WILLIAM WEISDORF, Clinical Assistant Professor
ROBERT E. WESTFALL, Clinical Assistant Professor
DONOVAN G. WRIGHT, Clinical Assistant Professor
VICTOR ZIELINSKI, Clinical Assistant Professor
CLARESA ARMSTRONG, Clinical Instructor
DAVID BARRON, Clinical Instructor
LOWELL GOODMAN, Clinical Instructor
NAHMAN H. GREENBERG, Instructor (one year from July 1, 1958)¹
DAVID P. GROSS, Clinical Instructor
FREDERICK V. GWYER, Clinical Instructor
JOHN E. HALASZ, Clinical Instructor
MARCIA GOLD HUGHES, Clinical Instructor
CHARLES KRAMER, Clinical Instructor
WAN-HO CHAO LEE, Clinical Instructor of Psychology
BERNARD LIFSON, Clinical Instructor
NORMA MASON, Clinical Instructor
VICTOR MINTEK, Clinical Instructor
EVAN MOORE, Clinical Instructor
FRANCES PERCE, Clinical Instructor of Psychology
SARAH R. PESKIND, Clinical Instructor of Psychology
BARBARA ROCAH, Instructor (one year from July 1, 1958)⁴
ARTHUR SABLE, Clinical Instructor
MARIAN TOLPIN, Clinical Instructor
DAGA WIED, Clinical Instructor (one year from July 1, 1958)²
CATHERINE WISE, Clinical Instructor
THOMAS O. AFFELDT, Assistant⁴
DAVID W. BUCK, Assistant (one year from July 1, 1958)⁴
ELAINE CHONG, Assistant (one year from July 1, 1958)¹
SYDNEY B. EISEN, Assistant⁴
ARTHUR S. ELSTEIN, Assistant in Psychology
DONALD D. SCHWARTZ, Assistant (one year from July 1, 1958)¹
JOSE PEREZ VILLAR, Assistant (one year from July 1, 1958)⁴
ARTHUR A. WOLOSHIN, Assistant (one year from July 1, 1958)¹
EVA FISHELL, Research Assistant (one year from July 1, 1958)

Public Health

EDWARD A. PISZCZEK, Clinical Associate Professor
HERBERT K. ABRAMS, Clinical Assistant Professor
CLARENCE W. KLASSEN, Assistant Professor
HERBERT E. MCDANIELS, Assistant Professor
KENNETH M. MORSE, Lecturer with rank of Assistant Professor
W. FRANKLIN DOVE, Research Associate

Radiology

FAY H. SQUIRE, Professor (Rush)
DAVID BEILIN, Clinical Associate Professor
RICHARD E. BUENGER, Associate Professor
JOHN W. CLARK, Associate Professor
BENJAMIN BRAUN, Clinical Assistant Professor
FRANK R. HENDRICKSON, Assistant Professor
JULIUS HEYDEMANN, Clinical Assistant Professor
SAMUEL LEADER, Clinical Assistant Professor
NATHAN STARKMAN, Clinical Assistant Professor

AUDREY WILSON, Clinical Assistant Professor
 ALFRED J. BROOKS, Instructor²
 ALBERT FISH, Instructor¹
 FRANK L. HUSSEY, Instructor²
 VIRGINIA N. PATTERSON, Instructor¹
 EDMUND RINGUS, Instructor¹
 GEORGE B. GREENFIELD, Assistant²
 JOHN R. HARTMAN, Assistant¹
 JOHN S. LEARY, Assistant (on leave of absence for military service)¹
 SHELDON MILLER, Assistant¹

Surgery

HILLIER L. BAKER, Clinical Professor (Rush), *Emeritus*
 ARRIE BAMBERGER, Clinical Professor, *Emeritus*
 EDWARD J. BEATTIE, JR., Professor
 VERNON C. DAVID, Professor (Rush), *Emeritus*
 EGBERT H. FELL, Clinical Professor (Rush)
 RICHARD K. GILCHRIST, Clinical Professor (Rush)
 PAUL W. GREELEY, Clinical Professor
 HILGER P. JENKINS, Clinical Professor
 SELIM W. MCARTHUR, Clinical Professor, *Emeritus*
 EDWIN M. MILLER, Clinical Professor (Rush), *Emeritus*
 OSCAR E. NADEAU, Clinical Professor, *Emeritus*
 NELSON M. PERCY, Professor, *Emeritus*
 FRANCIS H. STRAUS, Clinical Professor (Rush)
 CARL B. DAVIS, JR., Clinical Associate Professor
 ARTHUR E. DIGGS, Clinical Associate Professor (Rush)
 WILLIAM S. DYE, JR., Clinical Associate Professor
 EARL GARSIDE, Clinical Associate Professor
 CHESTER C. GUY, Clinical Associate Professor
 WILLIAM H. HAZLETT, Clinical Associate Professor, *Emeritus*
 ROBERT J. JENSIK, Clinical Associate Professor
 FRANK J. JIRKA, Associate Professor, *Emeritus*
 JOHN D. KOUCKY, Clinical Associate Professor
 HIRAM T. LANGSTON, Clinical Associate Professor
 STANLEY E. LAWTON, Clinical Associate Professor (Rush)
 WILL F. LYON, Clinical Associate Professor, *Emeritus*
 FOSTER L. McMILLAN, Clinical Associate Professor
 CLARENCE MONROE, Clinical Associate Professor (Rush)
 RUDOLPH J. E. ODEN, Associate Professor, *Emeritus*
 JOHN OLWIN, Clinical Associate Professor (Rush)
 MORRIS L. PARKER, Clinical Associate Professor
 LOUIS W. SCHULTZ, Clinical Associate Professor of Oral Surgery
 LINDON SEED, Clinical Associate Professor
 HARRY W. SOUTHWICK, Clinical Associate Professor
 EVERETT L. STROHL, Clinical Associate Professor
 FRANK V. THEIS, Clinical Associate Professor (Rush)
 PHILIP THOREK, Clinical Associate Professor
 CARL O. ALMQUIST, Clinical Assistant Professor
 SIDNEY BLACK, Clinical Assistant Professor
 CHARLES D. BRANCH, Clinical Assistant Professor
 C. DAVID BROWN, Clinical Assistant Professor
 JAMES H. CROSS, Clinical Assistant Professor
 WILLIS G. DIFFENBAUGH, Clinical Assistant Professor
 WARD H. EASTMAN, Clinical Assistant Professor
 MELVIN I. GIBBEL, Clinical Assistant Professor
 RAYMOND GREEN, Clinical Assistant Professor
 RUSSELL C. HANSELMAN, Clinical Assistant Professor
 HARRY G. HARDT, JR., Clinical Assistant Professor
 ROBERT A. HESS, Clinical Assistant Professor
 CARL IRENEUS, JR., Clinical Assistant Professor
 BURTON C. KILBOURNE, Clinical Assistant Professor

KENNETH L. MATSON, *Clinical Assistant Professor*
HAROLD I. MEYER, *Clinical Assistant Professor*
GEORGE A. OLANDER, *Clinical Assistant Professor*
JOHN R. ORNDORFF, *Clinical Assistant Professor*
JOHN H. PRIBBLE, *Clinical Assistant Professor*
WILLIAM L. RIKER, *Clinical Assistant Professor*
HAROLD A. ROTH, *Clinical Assistant Professor*
PHILIP SHAMBAUGH, *Clinical Assistant Professor*
WILLIAM D. SHOREY, *Clinical Assistant Professor*
ROBERT F. STOKES, *Clinical Assistant Professor*
MILAN M. WASICK, *Clinical Assistant Professor*
CARL Y. WERELIUS, *Clinical Assistant Professor*
JOHANNES L. KOPPEL, *Research Associate*
LEON J. WITKOWSKI, *Clinical Associate*
WALTER L. BARKER, *Instructor*²
ROBERT G. CANHAM, *Clinical Instructor*
JOSEPH P. CANNON, *Clinical Instructor*
NOBLE CORRELL, *Clinical Instructor*
GILBERT W. DOUGLAS, *Clinical Instructor*
JOHN W. FRISCH, *Clinical Instructor* (from July 1, 1958, through August 31, 1959)
VERNON L. GUYNN, *Clinical Instructor*
RONALD G. HALEY, *Clinical Instructor*
HOWARD M. HAMLIN, *Clinical Instructor*
IAN W. D. HENDERSON, *Instructor*²
JAMES A. HUNTER, *Instructor* (one year from July 1, 1958)¹
VERNON Z. HUTCHINGS, *Clinical Instructor*
ROBERT W. JAMIESON, *Clinical Instructor*
JOHANNES M. L. JENSEN, *Clinical Instructor*
ANDREW KIRSTEINS, *Clinical Instructor*
FRANCIS E. KNOCK, *Instructor*²
ALLAN M. LANSING, *Instructor* (one year from July 1, 1958)¹
MALCOLM R. LEWIS, *Instructor* (one year from July 1, 1958)¹
ROBERT O. LEWIS, *Instructor*²
WILLIAM E. LOOBY, *Clinical Instructor*
JOSEPH R. McANDREW, *Instructor*²
FRANK J. MILLOY, JR., *Clinical Instructor*
CHARLES J. MOCK, *Clinical Instructor*
HARRY E. MOCK, JR., *Clinical Instructor*
VINCENT P. MUENSTER, *Instructor*²
JOHN W. OTTEN, *Clinical Instructor*
JOHN C. PARROTT, *Instructor*²
GEORGE L. PASTNACK, *Clinical Instructor*
HAROLD A. PAUL, *Instructor*²
MARTIN PEPPER, *Clinical Instructor*
RICHARD C. POWERS, *Clinical Instructor*
MORRIS M. PROFFITT, *Clinical Instructor*
ALFRED RASMUSSEN, *Clinical Instructor*
HOWARD G. REISER, *Clinical Instructor*
OLIVER V. RENAUD, *Instructor*
THOMAS SELLETT, *Clinical Instructor*
WALTER F. SMEJKAL, *Clinical Instructor*
CARL K. SOLANDER, *Clinical Instructor*
FRANCIS W. STREHL, *Instructor* (one year from July 1, 1958)¹
MILTON WEINBERG, JR., *Clinical Instructor*
ROBERT B. WHITE, *Clinical Instructor*
SOL D. BRAVER, *Clinical Assistant* (from July 1, 1958, through August 31, 1959)
JACKSON E. CAGLE, JR., *Assistant*¹
HORTENSA DEARMAS, *Assistant*²
L. PENFIELD FABER, *Assistant*¹
GLENN W. FISCUS, *Assistant*¹
ANDRES GABEL, *Assistant* (one year from July 1, 1958)²
GORDON H. GLASSFORD, *Assistant* (one year from July 1, 1958)¹
KENNETH P. GROVES, *Assistant* (one year from July 1, 1958)²

HERBERT F. IKNAYAN, Assistant²
 BERNLY E. JOHNSON, Clinical Assistant
 CARL E. LORENTSON, Assistant¹
 WILLIAM H. MARSHALL, Assistant¹
 GEORGE A. McDERMOTT, Clinical Assistant
 RANDALL E. McNALLY, Clinical Assistant (one year from July 1, 1958)
 RICHARD H. MEYER, Assistant (on leave of absence for military service)²
 EUDELL G. PAUL, Clinical Assistant
 DAVID F. RENDELMAN, Assistant²
 RICHARD C. SCHULTZ, Assistant (one year from July 1, 1958)¹
 HORACE E. STANSEL, Assistant¹
 E. WILSON STAUB, Assistant (one year from July 1, 1958)²
 RICHARD A. TARIZZO, Assistant (one year from July 1, 1958)²
 RICHARD S. WEBB, JR., Assistant (one year from July 1, 1958)¹
 ARTHUR R. WILLIAMSON, Assistant¹
 MICHAEL F. WITANOWSKI, Clinical Assistant

Division of Urology

WILLIAM J. BAKER, Clinical Professor
 NORRIS J. HECKEL, Clinical Professor (Rush)
 EDWARD BUCKMAN, Clinical Associate Professor (Rush), *Emeritus*
 THEOPHIL P. GRAUER, Clinical Associate Professor
 JAMES W. MERRICKS, JR., Clinical Associate Professor (Rush)
 GEORGE O. BAUMRUCKER, Clinical Assistant Professor
 JOSEPH S. DRABANSKI, Clinical Assistant Professor
 WILLARD C. MEYER, Clinical Assistant Professor
 FRANK B. PAPIERNIAK, Clinical Assistant Professor
 COLQUITT O. RITCH, Clinical Assistant Professor
 FREDERICK SCHACHT, Clinical Assistant Professor
 EDWIN C. GRAF, Clinical Associate
 JAMES A. CALAMS, Clinical Instructor
 DANIEL H. CALLAHAN, Clinical Instructor
 THOMAS L. C. COTTRELL, Clinical Instructor
 ENGIN DENIZ, Instructor²
 RAYMOND FIRFER, Clinical Instructor
 R. ROSS HAEGER, Clinical Instructor
 JAMES C. VALENTA, Clinical Instructor
 WILLARD J. SMITH, Assistant (one year from July 1, 1958)¹
 IBRAHIM T. SOZER, Assistant (one year from July 1, 1958)²

Division of Anesthesiology

PAUL W. SEARLES, Clinical Professor
 MARY M. LYONS, Associate Professor (Rush), *Emerita*
 JOHN E. CAWLEY, Clinical Assistant Professor
 MYRON J. LEVIN, Clinical Assistant Professor
 JOSEPH E. REMLINGER, Clinical Assistant Professor
 MILTON J. SCHIFFRIN, Clinical Assistant Professor
 JOHN L. SCHMIDT, Clinical Assistant Professor
 ARTHUR T. SHIMA, Clinical Assistant Professor
 WILMA C. STAFFORD, Clinical Assistant Professor
 GWEN GLEAVE, Clinical Instructor
 EILEEN HECKEL, Clinical Instructor
 DAVID KATZ, Clinical Instructor
 DAVID G. NELSON, Clinical Instructor
 JOHN NELSON, Clinical Instructor
 STANKA K. PAPRIKOFF, Clinical Instructor
 RAYMOND F. ROSE, Clinical Instructor
 LESTER SCHWARTZ, Clinical Instructor
 DIGBY G. SEYMOUR, Clinical Instructor
 MAURICE M. TENNANT, Clinical Instructor
 FRANCIS A. TORREY, Clinical Instructor
 RASMA V. VITRUNGS, Clinical Instructor
 FLORY E. WAGENAAR, Clinical Instructor

HOWARD H. BERLIN, Assistant¹
 NORMA L. BOONE, Assistant (one year from July 1, 1958)¹
 SARA JANE BURCHELL, Assistant¹
 YONNHAE CHONG, Assistant
 JAKOB FASSBINDER, Assistant¹
 SHIGERU HATANO, Assistant¹
 FERNANDO R. HERRERA, Assistant²
 JOSEPH M. HNILO, Assistant¹
 MARGARET N. KEZDI, Clinical Assistant
 LYDIA KURLAK, Clinical Assistant
 PERRY LEE LERNER, Assistant¹
 JOSE MORALES, Assistant²
 TOMAS I. MUNOZ, Assistant²
 WILLIAM C. ROBERTSON, Assistant¹
 SAMUEL YELIN, Assistant (one year from July 1, 1958)²
 RAYMOND ZBICK, Assistant¹
 ROBERT T. HAZINSKI, Assistant¹

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

APPOINTMENT OF PROFESSOR JOSEPH S. BEGANDO AS ASSISTANT TO THE PRESIDENT

(29) I recommend the appointment of Dr. Joseph S. Begando, now Assistant Dean of the College of Pharmacy and Associate Professor of Pharmacy Administration, as Assistant to the President, effective September 1, 1958, at a salary of \$15,000 a year on "Y" basis.

Dr. Begando's academic tenure in the University will continue although he will have no teaching duties under this administrative assignment. As Assistant to the President, his duties will be to represent the President on specific assignments in institutional relations and to assist the President in development activities. He will represent the President in the continuing relationships with the University of Illinois Foundation and the University of Illinois Alumni Association, and in alumni affairs in general. He will work with the University Committee on Institutional Gifts and Development and the University Committee on Institutional Relations. He will assist the President in relationships with advisory committees, civic groups, and constituencies with which liaison must be maintained. He will work closely with faculty and administrative officers in these assignments.

There will be new undertakings in the new position but the appointment will also consolidate a number of assignments which heretofore have been carried directly by the President and other University officers who should be relieved of them.

The appointment will not change the relationship of the President to any present administrative officer.

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

CHANGES IN DEPOSITS REQUIRED AND FEE REFUNDS AT THE CHICAGO PROFESSIONAL COLLEGES

(30) Officials of the Chicago Professional Colleges and the Committee on Fees recommend the following deposit requirements and fee refund provisions at the Chicago Professional Colleges:

1. A deposit of \$60.00 shall be required from all students who are accepted for admission to the Colleges of Medicine and Dentistry within two weeks of the date of their notification of acceptance. (This represents an increase from \$15.00 to \$60.00 in these two schools. The deposit of \$15.00 now in force for the College of Pharmacy will remain, and, as at present, no deposit will be required of students accepted for the School of Nursing.)
2. Deposits received for admission to the Colleges of Dentistry, Medicine, and Pharmacy shall be refunded in full to students admitted to the Colleges of Medicine and Dentistry who request cancellation of admission by January 15 of the year of the applicant's registration in the University, and to students admitted to the College of Pharmacy who request cancellation of admission by September 1 of the year of the applicant's registration.
3. One-third of the deposit, or \$20.00, made by students in the Colleges of Medi-

- cine and Dentistry who request cancellation of admission by September 1 of the year in which they are to register shall be refunded.
4. Any deposit made shall be refunded in full if the University of Illinois cancels the student's admission.
 5. Upon completion of registration of a student in the Colleges of Medicine, Dentistry, or Pharmacy, the deposit on file shall be credited on the tuition and other fees due from the student.
 6. The refund provisions at the Chicago Professional Colleges shall be consistent with the refund practice at Urbana, providing for a full refund of fees if a student withdraws during the first ten days of a quarter, a refund of one-half of the fees if the student withdraws after ten days attendance but before one-half of the quarter has elapsed, and no refund if the student withdraws after one-half of the quarter's work has elapsed. This shall apply to all colleges and to the School of Nursing.

It is further recommended that these changes become effective in September, 1959.

I concur.

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

BUILDING PROGRAM FOR 1959-61

(31) State law requires that the University file with the Department of Finance, not later than November 1, estimates of income and of expenses from state appropriations for the biennium beginning the following July 1.

I submit herewith the proposed building program for the biennium of 1959-61. Recommendations for state appropriations for operations during the biennium of 1959-61 will be submitted to the Board at a later meeting.

The recommendations for state capital appropriations are based on a report of the University Building Program Committee and after consultation with the University Council. The Building Program Committee has made a thorough canvass of the University's building and related needs. It has been studying these needs in consultation with representatives of the colleges, schools, and departments concerned for several months and has made periodical reports and recommendations to the President of the University. The Committee's final recommendations have also been considered by the Board of Trustees Committees on Buildings and Grounds, General Policy, and Finance.

In order to reflect the comprehensive planning upon which the recommendations are based, I am also submitting for information purposes the Committee's tentative recommendations for 1961-63, and the estimate of building and other capital improvement needs within the total ten-year period from 1959-60.

I now recommend that the Board of Trustees formally approve the program for 1959-61 as submitted herewith for presentation to the Department of Finance, the Illinois Budgetary Commission, and to the officers and committees of the Seventy-first General Assembly of Illinois; and I further recommend that the President of the Board, the Chairmen of the Board Committees on Buildings and Grounds, General Policy, and Finance, and the President of the University be authorized to represent the Board of Trustees in such conferences as may be required in presenting the program to state officials.

On motion of Mr. Williamson, these recommendations were approved and authority was given as requested. This action was taken by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

The building program appears as an appendix to these minutes, on pages 60 to 76.

OCTOBER MEETING OF THE BOARD

President Livingston asked the members of the Board their wishes for the date and place of the October meeting.

On motion of Mr. Nickell, seconded by Mr. Hughes, the Board voted to hold this meeting in Urbana, Illinois, on Friday, October 24.

After further discussion it appeared that this would not be feasible, and on motion of Mr. Nickell, the Board reconsidered its action.

On motion of Mr. Williamson, the Board voted to hold the October meeting on either October 21, 22, or 23, the time and place to be determined by the President and Secretary of the Board after consultation with the Trustees absent from today's meeting and with University officials.

MEETING OF ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES AND ALLIED INSTITUTIONS

President Livingston called attention to the 1958 meeting of the Association of Governing Boards of State Universities and Allied Institutions which will be held at Purdue University, October 15 through 18, and ask if any members of the Board desire to attend as official delegates of the University. After some discussion, President Livingston designated Mrs. Frances B. Watkins, Mr. Earl M. Hughes, and the Secretary of the Board as official delegates, and the Secretary was authorized to make the necessary arrangements for their representation.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) fellows; (3) graduate fellows; (4) resignations and declinations; (5) leaves of absence; (6) changes in sabbatical leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

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

ADAMS, JACK A., Associate Professor of Psychology, June 16-August 31, 1958, \$933.33 a month; this is in addition to his present appointment (6-30-58).

ADOLPH, ROBERT J., Instructor in Medicine (Medicine), two months from July 1, 1958, \$583.33 a month (7-9-58); one year from September 1, 1958, \$8000 (7-9-58).

ALEXANDER, ELEANOR O., Resident Assistant (Allen Hall), ten months from August 18, 1958, \$1600; she will also receive board and room furnished for the convenience of the University valued at \$31 a month (7-8-58).

ALLDRITT, KEITH, Instructor in English, academic year beginning September 1, 1958, \$4800 (6-27-58).

ANDERSON, ALAN J., Research Associate in Preventive Medicine (Medicine), seven months from June 1, 1958, \$670 a month, supersedes (6-27-58).

ANDERSON, JOHN D., Associate Professor of Physiology, June 16-August 9, 1958, \$1556; this is in addition to his present appointment (6-16-58).

ANDERSON, WILLIAM E., Research Assistant in the Institute of Labor and Industrial Relations, two months from June 16, 1958, \$800 (7-7-58).

ARBENZ, MARY H., Instructor in Speech, $\frac{3}{4}$ time, academic year beginning September 1, 1958, \$4163 (7-2-58).

ARCHER, JANE B., Assistant in Speech, nine months from September 16, 1958, \$3600 (6-16-58).

ARMSTRONG, JACK L., Assistant in Horticulture (S), June 16-August 31, 1958, \$400 a month (6-27-58).

ASCHBACHER, HELEN M., Assistant in English, Summer Session of 1958, June 16-August 9, 1958, \$1045 (6-25-58).

ATTEBERY, KATHERINE, Assistant Head Resident in Lincoln Avenue Residence (South), ten months from September 1, 1958, \$3500; for the convenience of the University she will also be furnished meals valued at \$21 a month (6-6-58).

ATTERBURY, ROBERT A., Director of Hospital Dental Clinic, on $\frac{1}{2}$ time, \$1050 a year; Assistant Professor of Surgery (Medicine), without salary, and Assistant Professor of Clinical Dentistry (Dentistry), without salary, March 1,

- 1958-August 31, 1959; on leave of absence without salary beginning March 1, 1958, and continuing through August 31, 1959; supersedes (5-14-58).
- BARATZ, ROBERT A., Research Assistant in Radiology (Medicine), June 16-August 31, 1958, \$500 a month (6-4-58).
- BARKER, ROBERT, Instructor in Biochemistry, Summer Session of 1958, June 16-August 9, 1958, \$1223 (6-16-58).
- BARNES, FRED P., Professor of Education, June 16-August 9, 1958, \$2136; this is in addition to his present appointment (6-16-58).
- BARTRAM, HARLAN G. H., Visiting Lecturer in Education (University High School), June 16-August 9, 1958, \$1500 (6-6-58).
- BATEMAN, PAUL T., Associate Professor of Mathematics, two months from June 16, 1958, \$861.11 a month; this is in addition to his present appointment (7-3-58).
- BATES, ROBERT B., Instructor in Organic Chemistry, academic year beginning September 1, 1958, \$5500 (6-16-58).
- BAUM, BARBARA I., Research Assistant in Education (University High School), June 16-August 9, 1958, \$889 (6-5-58); nine months from September 16, 1958, \$4250 (7-14-58).
- BEBERMAN, MAX, Associate Professor of Education (University High School), June 16-July 18, 1958, and August 18-September 5, 1958, \$1733.33; this is in addition to his present appointment (6-5-58).
- BECK, PAUL A., Research Professor of Physical Metallurgy (C), two months from June 16, 1958, \$1300 a month; this is in addition to his present appointment (6-16-58).
- BECK, RICHARD J., Instructor in General Engineering (C), $\frac{1}{2}$ time, academic year beginning September 1, 1958, \$2300, supersedes (6-16-58).
- BECKER, ROBERT A., Professor of Physics, Summer Session of 1958, June 16-August 9, 1958, \$2134 (6-6-58).
- BEDFORD, RANGIAH E., Visiting Assistant Professor of Electrical Engineering, Summer Session of 1958, June 16-August 9, 1958, \$1245, supersedes (6-6-58).
- BESSINGER, HERBERT E., Clinical Instructor in Medicine (Medicine), July 1, 1958-August 31, 1959, without salary, supersedes (7-9-58).
- BEVAN, MARGARET M., Head Resident in Lincoln Avenue Residence (South), ten months from September 1, 1958, \$3900; for the convenience of the University she will be furnished board and room valued at \$31 while on duty (7-11-58).
- BIENIARZ, JOZEF, Research Associate in Anatomy (Medicine), two months from July 1, 1958, \$500 a month (6-27-58).
- BITZER, DONALD L., Research Associate in the Control Systems Laboratory (S), June 16-August 31, 1958, \$575 a month, supersedes (6-16-58).
- BLACKMER, ROY H., JR., Research Associate in the State Water Survey, one year from July 1, 1958, \$8100 (6-16-58).
- BLAHOUS, CHARLES P., JR., Research Assistant in Ceramic Engineering (S), two months from July 1, 1958, \$400 a month (6-11-58).
- BLISS, LAWRENCE C., Instructor in Botany, two months from June 16, 1958, \$600 a month (7-3-58).
- BOBOTEK, HENRY G., Research Associate in the Control Systems Laboratory (S), $\frac{3}{4}$ time, June 16-August 31, 1958, \$375 a month, supersedes (6-16-58).
- BOHL, ROBERT W., Associate Professor of Metallurgical Engineering (C), two months from June 16, 1958, \$844.44 a month; this is in addition to his present appointment (6-16-58).
- BOLIN, RICHARD, Instructor in Psychiatry (Medicine), $\frac{1}{2}$ time, July 1, 1958-August 31, 1959, \$5000 a year (7-2-58).
- BORESI, ARTHUR P., Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1958, \$1644.44; this is in addition to his present appointment (6-6-58).
- BOSDELL, BETTY J., Instructor in Education, Summer Session of 1958, $\frac{1}{2}$ time, June 16-August 9, 1958, \$500 (6-30-58).
- BOWER, OLIVER K., Assistant Professor of Mathematics, Summer Session of 1958, June 16-August 9, 1958, \$1378 (6-26-58).
- BOYD, HERBERT F., Research Associate in the Institute for Research on Exceptional Children, $\frac{1}{2}$ time, June 16-August 9, 1958, \$750; this is in addition to his present appointment (7-7-58).
- BRAUN, MARJORIE E., Assistant in Veterinary Pathology and Hygiene (College of

- Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), June 9-August 31, 1958, \$366.67 a month, supersedes (6-16-58).
- BREED, VIRGINIA A., Instructor in Audiology (Medicine), one year from September 1, 1958, \$5250; for her convenience she will be furnished one meal a day valued at \$120 a year while on duty (7-11-58).
- BRISCOE, JOHN W., Professor of Civil Engineering and Assistant Head of the Department (C), August 16-August 31, 1958, \$472.22; this is in addition to his present appointment (7-9-58).
- BROWN, THOMAS H., Research Associate in Chemistry, one year from September 1, 1958, \$5400 (6-30-58).
- BRUCE, ANNA K., Research Associate in Education (University High School), June 16-August 31, 1958, \$1500 (6-10-58).
- BUCHMAN, AUDREY, Research Assistant in the Institute for Research on Exceptional Children, June 16-August 9, 1958, \$800 (7-2-58); one year from September 1, 1958, \$4800 (7-8-58).
- BURROWS, PATRICIA J., Instructor in Occupational Therapy (Medicine), July 5-August 31, 1958, \$447.50 a month (7-2-58).
- CANINO, ANTHONY J., Assistant in Physical Education for Men (Chicago Undergraduate Division), nine months from September 16, 1958, \$4000, in addition to \$400 he will receive from the Student Athletic Activities (6-16-58).
- CARREL, ROBERT L., Research Assistant in Electrical Engineering (C), one year from September 1, 1958, \$5700 (6-25-58).
- CARROLL, JOHN R., Associate Professor of Mechanical Engineering (C), $\frac{3}{4}$ time, one year from September 1, 1958, to render service during the academic year, \$4800 (7-11-58).
- CASTALDI, BASIL, Assistant Professor of Education (Bureau of Educational Research), $\frac{1}{2}$ time, June 16-August 9, 1958, \$856; this is in addition to his $\frac{1}{2}$ time Summer Session appointment (7-11-58).
- CATTELL, RAYMOND B., Research Professor of Psychology, two months from June 16, 1958, \$1277.77 a month; this is in addition to his present appointment (6-16-58).
- CHAO, BEI TSE, Professor of Mechanical Engineering (C), two months from June 16, 1958, \$2000; this is in addition to his present appointment (6-6-58).
- CHASE, JAMES S., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division), $\frac{1}{2}$ time, Summer Session of 1958, June 20-August 16, 1958, \$456 (6-10-58).
- CHASE, SAMUEL B., III, Instructor in Economics, Summer Session of 1958, June 30-July 26, 1958, \$667 (7-8-58).
- CERRY, JOE H., Assistant in Agronomy (S), three months from June 1, 1958, \$366.66 a month, supersedes; and for one year from September 1, 1958, \$4400 (6-16-58).
- CHICUREL, ENRIQUE, Instructor in Theoretical and Applied Mechanics (C), $\frac{1}{2}$ time, academic year beginning September 1, 1958, \$2500 (6-16-58).
- CHOW, WEN-LUNG, Assistant Professor of Mechanical Engineering, Summer Session of 1958, $\frac{1}{2}$ time, June 16-August 9, 1958, \$689 (6-26-58).
- CLARK, JOHN M., JR., Instructor in Biochemistry, two months from June 16, 1958, \$1222.23; and for the academic year beginning September 1, 1958, \$5700 (6-16-58).
- COBB, ARNOLD C., Professor of Theoretical and Applied Mechanics (Chicago Undergraduate Division), Summer Session of 1958, June 20-August 16, 1958, \$1867 (6-10-58).
- COLLINS, LORENCE G., Instructor in Physical Science (Division of General Studies), academic year beginning September 1, 1958, \$4700 (6-16-58).
- CONNELL, BARBARA, Assistant to the Dean of Women, one month from July 1, 1958, \$400 (6-16-58).
- COWIN, JOHN W., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1958, June 23-August 14, 1958, \$1245 (7-7-58).
- CRABB, ROBERT L., Assistant in Economics (Chicago Undergraduate Division), nine months from September 16, 1958, \$3800 (7-11-58).
- CRADDOCK, JOHN R., Assistant in Education, Summer Session of 1958, June 16-July 12, 1958, \$556 (6-30-58).
- CRANE, E. B., Visiting Lecturer in Music, Summer Session of 1958, June 15-July 19, 1958, \$375 (6-16-58).

- CRANK, FLOYD L., Assistant Professor of Education, Summer Session of 1958, and Graduate College, June 16-August 9, 1958, \$1400, supersedes previous Summer Session appointment (7-2-58).
- CRAWFORD, JAMES E., Assistant Manager and Head Resident, Men's Residence Halls, June 15, 1958-August 31, 1959, \$3600 a year; for the convenience of the University he will also receive board and room valued at \$376 a year (7-9-58).
- CUNNINGHAM, MERCE, Dancer-in-Residence in Physical Education for Women, four months from December 1, 1958, \$500 a month (7-8-58).
- DAMARIN, FRED L., JR., Research Associate in Psychology, one year from September 1, 1958, \$5600 (6-16-58).
- DE COURCY, KIMBERLY J. H., Instructor in Mechanical Engineering (C), June 16-August 31, 1958, \$1388.87; this is in addition to his present appointment (6-6-58).
- DEMOSSE, RALPH D., Associate Professor of Bacteriology, two months from June 16, 1958, \$944.44 a month; this is in addition to his present appointment (6-6-58).
- DIAL, JEANNE, Research Assistant in Physiology, two months from June 16, 1958, \$400 a month (6-16-58).
- DICK, BERTRAM G., JR., Instructor in Physics, Summer Session of 1958, June 16-August 9, 1958, \$1200, supersedes previous Summer Session appointment (6-6-58).
- DICKMAN, KERN W., Research Assistant in the Digital Computer Laboratory, one year from September 1, 1958, \$7000 (7-2-58).
- DOANE, BENNIE B., Assistant in Animal Science (C) $\frac{1}{2}$ time, and (S) $\frac{1}{2}$ time, eleven months from October 1, 1958, \$4800 a year (7-17-58).
- DODDS, RAYMOND S., Visiting Research Associate in Political Science, nine months from September 16, 1958, \$4500 (7-2-58).
- DOLAN, THOMAS J., Professor of Theoretical and Applied Mechanics and Head of the Department (C), $\frac{1}{2}$ time, two months from July 1, 1958, \$861 a month; this is in addition to his present appointment (6-16-58).
- DORENKAMP, JOHN, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- DRAKE, JOHN W., Research Associate in Bacteriology, nine months from October 1, 1958, \$7000 a year (6-25-58).
- DUE, JOHN F., Professor of Economics, Summer Session of 1958, June 16-June 28, 1958 and July 28-August 9, 1958, \$1223, supersedes previous Summer Session appointment (7-8-58).
- DUNCAN, ESTHER, Counselor in Music, Summer Session of 1958, June 12-July 20, 1958, \$450; for the convenience of the University she will also be furnished room and board while on duty (6-25-58).
- EARNST, FLOYD J., Assistant in the Institute of Aviation, June 16-August 9, 1958, \$950 (6-25-58).
- ECKEL, EARL J., Professor of Metallurgical Engineering (C), two months from June 16, 1958, \$988.89 a month; this is in addition to his present appointment (6-16-58).
- EHRMAN, JOHN R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1958, \$400 a month (6-10-58).
- EKSTROM, JOHN W., Instructor in Art, academic year beginning September 1, 1958, \$5000 (6-27-58).
- EL-ISSA, SA'D I., Clinical Assistant in Surgery (Medicine), July 1, 1958-August 31, 1959, without salary, supersedes (6-25-58).
- ELKIN, STANLEY, Assistant in English, nine months from September 16, 1958, \$3800 (6-27-58).
- ENDLER, NORMAN S., Clinical Counselor in the Student Counseling Service, June 16-August 31, 1958, \$416.67 a month (6-25-58).
- EPSTEIN, JEREMIAH F., Research Associate in Anthropology, two months from July 1, 1958, \$447.50 a month (7-8-58).
- ERASMUS, CHARLES J., Research Associate in Anthropology, two months from July 1, 1958, \$555.55 a month (6-16-58).
- ERIKSEN, CHARLES W., Associate Professor of Psychology, two months from June 16, 1958, \$866.66 a month; this is in addition to his present appointment (6-6-58).
- FALK, WERNER D., Visiting Lecturer in Philosophy, second semester of the academic year, 1958-59, February 1-June 15, 1959, \$5100 (7-2-58).

- FARON, LOUIS C., Research Associate in Anthropology, two months from July 1, 1958, \$555.55 a month (6-16-58).
- FARRAR, NORMA, Head Resident in Allen Hall (South), ten months from September 1, 1958, \$4000; for the convenience of the University she will also be furnished room and board valued at \$31 a month (6-6-58).
- FELLOWS, JULIAN R., Professor of Mechanical Engineering, Summer Session of 1958, $\frac{3}{4}$ time, June 16-August 9, 1958, \$1482 (6-27-58).
- FERRETTI, ALDO, Research Associate in Chemistry, one year from September 1, 1958, \$5700 (7-8-58).
- FIEDLER, FRED E., Associate Professor of Psychology, July 25-August 31, 1958, \$855.55 a month; this is in addition to his present appointment (6-6-58).
- FLEMING, GEORGE, Clinical Instructor in Dermatology (Medicine), July 1, 1958-August 31, 1959, without salary (7-9-58).
- FLEMING, ROBBEN W., Director of the Institute of Labor and Industrial Relations, $\frac{1}{4}$ time, June 16-August 15, 1958, \$375 a month; this is in addition to his appointment as Professor of Law (6-16-58).
- FLORES, SAMSON S., Assistant Professor of Full and Removable Partial Dentures, $\frac{3}{4}$ time, and in Postgraduate Studies, $\frac{1}{4}$ time (Dentistry), June 21-August 31, 1958, \$616.67 a month, supersedes (6-26-58).
- FOOTE, BRUCE R., Professor of Music, Summer Session of 1958, June 16-August 9, 1958, \$2178, supersedes previous Summer Session appointment (6-25-58).
- FOSDICK, LLOYD D., Research Assistant Professor of Physics, Digital Computer Laboratory, $\frac{1}{2}$ time, two months from June 16, 1958, \$666.66; this is in addition to his present appointment (6-4-58).
- FRASER, DOROTHY K., Research Associate in Bacteriology, one year from July 1, 1958, \$6000 (6-16-58).
- FRENCH, JAMES L., Instructor in Mechanical Engineering, Summer Session of 1958, June 16-August 9, 1958, \$1112 (6-27-58).
- FRIEND, JAMES, Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1958, \$4300 (7-11-58).
- GALANOS, DEMETRIOS S., Research Associate in Chemistry, one year from September 1, 1958, \$5600 (7-2-58).
- GANTZ, RALPH L., Instructor in Agronomy, 55/100 time, and Crop Extension Specialist, 45/100 time (E), June 16, 1958-August 31, 1959, \$6000 a year (6-25-58).
- GARDNER, WILLIAM, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- GARRIGAN, DONALD S., Assistant in Animal Science (C and S), July 1, 1958-August 31, 1959, \$5200 a year (6-25-58).
- GASS, WILLIAM H., Visiting Lecturer in English and Philosophy, academic year beginning September 1, 1958, \$6000 (7-9-58).
- GECHT, MARTIN L., Clinical Assistant in Dermatology (Medicine), August 1, 1958-August 31, 1959, without salary (6-10-58).
- GILMORE, THOMAS, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- GITTER, ALMUT, Assistant in Agronomy (S), two months from June 16, 1958, \$366.66 a month (7-3-58).
- GLADISH, DAVID, Assistant in English, nine months from September 16, 1958, \$4000 (6-27-58).
- GLASER, DANIEL, Associate Professor of Sociology (Graduate College), two months from June 16, 1958, \$777.78 a month; this is in addition to his present appointment (6-16-58); and (College of Liberal Arts and Sciences and Graduate College) one year from September 1, 1958, \$7600; and Associate Professor of Sociology, indefinite tenure from September 1, 1959, to render service during each academic year, \$7600 a year (6-30-58).
- GLASSMAN, SIDNEY F., Assistant Professor of Biological Science (Chicago Undergraduate Division), Summer Session of 1958, June 20-August 15, 1958, \$1423 (7-14-58).
- GOLDEMBERG, JOSE, Research Associate in Physics (C), three months from June 10, 1958, \$900 a month (6-4-58).
- GREENBERG, MICHAEL J., Instructor in Zoology, academic year beginning September 1, 1958, \$5500 (7-2-58).

- GRICE, G. ROBERT, Professor of Psychology, two months from June 16, 1958, \$1000 a month; this is in addition to his present appointment (6-6-58).
- GUPPY, WILLIAM A., Intern in the Student Counseling Service (Chicago Undergraduate Division), seven months from July 1, 1958, \$400 a month (7-3-58).
- GYERMEK, LASZLO, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1958, \$733 a month (6-25-58).
- HAKE, HAROLD W., Associate Professor of Psychology, two months from June 16, 1958, \$866.66 a month; this is in addition to his present appointment (6-6-58).
- HALE, WILLIAM T., Assistant in Education (University High School), July 12-September 5, 1958, \$1067 (6-5-58).
- HALL, JAPHETH, JR., Research Associate in Education (University High School), August 16-August 31, 1958, \$280; and Visiting Research Associate in Education (University High School), $\frac{1}{2}$ time, nine months from September 16, 1958, \$2500 (6-18-58).
- HAMP, LEROY R., Associate Professor of Music, Summer Session of 1958, $\frac{3}{4}$ time, June 16-August 9, 1958, \$1175, supersedes previous Summer Session appointment (6-25-58).
- HANG, DANIEL F., Associate Professor of Electrical Engineering (C), two months from June 16, 1958, \$1611.10; this is in addition to his present appointment (6-6-58).
- HANNI, JOHN W., Clinical Assistant Professor of Psychiatry (Medicine), two months from July 1, 1958, without salary, supersedes (6-27-58).
- HARROD, JOHN P., JR., Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), July 15-August 31, 1958, without salary (7-11-58).
- HAY, RALPH C., Professor of Agricultural Engineering (C), two months from July 1, 1958, \$925 a month, supersedes (7-3-58); Professor of Agricultural Engineering (C), and Coordinator of the International Cooperation Programs, indefinite tenure from September 1, 1958, \$11,100 a year (7-3-58).
- HEATER, NANCY L., Architecture Library Assistant, one year from September 1, 1958, \$4500 (7-8-58).
- HENKEL, DAVID J., Visiting Lecturer in Civil Engineering, Summer Session on $\frac{3}{10}$ time, \$300, and in the Engineering Experiment Station on $\frac{2}{10}$ time, \$200, two months from June 16, 1958 (6-16-58).
- HERR, FERENC, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1958, \$800 a month (6-25-58).
- HILL, JEAN, Assistant to the Dean of Women, one month from August 1, 1958, \$400 (6-6-58).
- HILSDORF, HUBERT, Research Assistant in Theoretical and Applied Mechanics (C), one year from September 1, 1958, \$6000 (6-27-58).
- HOFFMAN, JARRETT D., Research Assistant in Agricultural Entomology (Agricultural Experiment Station and State Natural History Survey), June 9-August 31, 1958, \$1011.33 (6-25-58).
- HOTT, P. B., Counselor in Music, Summer Session of 1958, June 12-July 20, 1958, \$225; for the convenience of the University he will also be furnished room and board while on duty (6-25-58).
- HOVDE, HELEN J., Instructor in Speech (Chicago Undergraduate Division), $\frac{5}{8}$ time, Summer Session of 1958, June 20-August 16, 1958, \$1112 (6-16-58).
- HUBER, EDWARD A., Research Associate in the Control Systems Laboratory (S), June 16-August 31, 1958, \$580 a month, supersedes (6-4-58).
- HUGHES, SUSAN A., Resident Assistant in Allen Hall, ten months from August 18, 1958, \$1600; she will also be furnished room and board for the convenience of the University valued at \$31 a month (7-8-58).
- HUGHES, W. M., Counselor in Music, Summer Session of 1958, June 13-July 21, 1958, \$275 (6-25-58).
- HULL, WILLIAM L., Professor of Mechanical Engineering, Summer Session of 1958, June 16-August 9, 1958, \$2045, supersedes previous Summer Session appointment (6-27-58).
- HUNT, J. McVICKER, Professor of Psychology, one month from June 16, 1958, \$1444.44; this is in addition to his present appointment (6-6-58).
- HUNTER, GEORGE H., Assistant Professor of Music, Summer Session of 1958, June 16-August 9, 1958, \$1556, supersedes previous Summer Session appointment (6-25-58).

- IBEN, ICKO, JR., Instructor in Physics, Summer Session of 1958, June 16-August 9, 1958, \$1000 (6-6-58).
- IHRIG, HARRY K., JR., Lecturer in Mechanical Engineering (C), $\frac{1}{4}$ time, academic year beginning September 1, 1958, \$1500 (6-16-58).
- JACKSON, WILLIAM V., Associate Professor of Library Science, indefinite tenure from September 1, 1958, to render service during each academic year, \$8500 a year (6-27-58).
- JAIN, SURESH C., Research Associate in Physics (C), June 1-July 15, 1958, \$900 (6-4-58).
- JAMNIK, DARKO, Research Associate in Physics (C), one year from September 1, 1958, \$6000 (6-27-58).
- JOHNSON, WILLIAM H., Assistant Professor of Animal Science (S), two months from July 1, 1958, \$700 a month; this is in addition to his present appointment (6-4-58).
- JONES, LOUISE G., Assistant Editor, with rank of Assistant (Agricultural Experiment Station), July 1, 1958-August 31, 1959, \$5000 a year (6-27-58).
- KAHN, HERBERT, Research Associate in Clinical Science (Medicine), three months from June 1, 1958, without salary (6-25-58).
- KAHARA, YASUTO, Catalog Assistant in the Library, one year from September 1, 1958, \$4900 (7-8-58).
- KAISER, DALE E., Assistant in Education (University High School), June 16-August 9, 1958, \$889 (6-5-58).
- KAPPAUF, WILLIAM E., Professor of Psychology, one month from June 16, 1958, \$1133.33; this is in addition to his present appointment (6-6-58).
- KARMEIER, DELBERT F., Visiting Research Associate in Civil Engineering (S), nine months from September 16, 1958, \$4725 (6-4-58).
- KAVINA, GEORGE, Visiting Lecturer in Education, Summer Session of 1958, June 16-August 9, 1958, \$1300 (6-16-58).
- KEEN, MARIA, Assistant in English, Summer Session of 1958, June 16-August 9, 1958, \$823 (6-6-58).
- KEENAN, DOROTHY, Assistant in Education (Summer Session of 1958 and Graduate College), June 16-August 9, 1958, \$750, supersedes previous Summer Session appointment (6-30-58).
- KEMMERER, HARLEIGH R., Instructor in Horticulture (College of Agriculture, Extension Service in Agriculture and Home Economics, and Physical Plant), one year from July 1, 1958, \$7700 (6-27-58).
- KENDEIGH, S. CHARLES, Professor of Zoology, one month from June 16, 1958, \$1066.67; this is in addition to his present appointment (6-16-58).
- KLAPPERICH, ALFRED J., Assistant Professor of Electrical Engineering (Chicago Undergraduate Division), Summer Session of 1958, June 23-August 15, 1958, \$1400 (7-7-58).
- KOCH, CHARLES W., Visiting Lecturer in Library Science, Summer Session of 1958, June 16-August 9, 1958, \$850 (6-25-58).
- KOKATNUR, MOHAN, Assistant in Food Technology (S), June 16-August 31, 1958, \$366.66 a month, supersedes (6-6-58).
- KONZO, SEICHI, Professor of Mechanical Engineering (C), $\frac{1}{3}$ time, two months from June 16, 1958, \$777.78; this is in addition to his present appointment (6-16-58).
- KORST, HELMUT H., Professor of Mechanical Engineering, Summer Session of 1958, $\frac{1}{4}$ time, June 16-August 9, 1958, \$667 (7-8-58).
- KOS, EDWARD S., Instructor in Microbiology (Medicine), one month from August 1, 1958, \$6040 a year, and one year from September 1, 1958, \$6400 (7-11-58).
- KRAMER, JOSEPH D., Assistant in Biology (Pharmacy), June 30-September 20, 1958, \$600 (7-2-58).
- LANGEBARTEL, RAY G., Research Assistant Professor of Chemistry, two months from June 16, 1958, \$744.44 a month; this is in addition to his present appointment (6-16-58).
- LARSON, DONALD A., Assistant in Botany, nine months from September 16, 1958, \$3600 (6-27-58).
- LEDBETTER, KENNETH, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- LEE, H. J., Visiting Lecturer in Music, Summer Session of 1958, June 12-July

- 23, 1958, \$600; for the convenience of the University he will also be furnished room and board, supersedes (6-16-58).
- LEICHNER, GENE H., Research Assistant in the Digital Computer Laboratory, two months from July 1, 1958, \$533.33 a month (6-26-58); and Assistant Professor of Electrical Engineering (C), $\frac{1}{2}$ time, academic year beginning September 1, 1958, \$3500 (6-27-58).
- LEIN, MARIE E., Assistant Professor of Humanities (Chicago Undergraduate Division), Summer Session of 1958, June 23-August 15, 1958, \$1467, supersedes previous Summer Session appointment (7-7-58).
- LEPPERT, ELLA, Associate Professor of Education, June 16-July 25, 1958, \$1192 (7-2-58).
- LEWIS, G. D., Visiting Lecturer in History, Summer Session of 1958, June 16-August 9, 1958, \$1400 (6-6-58).
- LIAY, LOUIS D., Head Resident and Assistant Manager in the Men's Residence Halls, June 1, 1958-August 31, 1959, \$300 a month; for the convenience of the University he will also be furnished room and board valued at \$376 a year (6-16-58).
- LICHTENBERGER, WILLIAM W., Research Associate in the Control Systems Laboratory (S), June 16-August 31, 1958, \$570.83 a month, supersedes (6-27-58).
- LICHTER, EDWARD A., Research Assistant in Medicine (Medicine), June 16, 1958-June 30, 1959, \$4400 a year (6-16-58).
- LIEBERMAN, DAVID S., Associate Professor of Metallurgical Engineering (C), two months from June 16, 1958, \$816.67 a month; this is in addition to his present appointment (6-16-58).
- LIMA, ANDRE E., Clinical Assistant in Surgery (Medicine), two months from July 1, 1958, without salary, supersedes (6-25-58).
- LITVAK, RUTH M., Instructor in Anatomy (Medicine), academic year beginning September 1, 1958, \$6600 (7-2-58).
- LOESCH, JOHN, Assistant Professor of Psychiatry (Medicine), one year from July 1, 1958, \$10,000 (7-2-58).
- LOOMIS, F. WHEELER, Director of the Control Systems Laboratory (S), June 16-June 30, 1958, and August 1-September 15, 1958, \$2044.44 a month (6-16-58).
- LOTHIAN, THOMAS A., Assistant in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1958, June 23-August 15, 1958, \$978 (7-8-58).
- LUKAS, GAZE E., Professor in the Bureau of Business Management, two months from June 16, 1958, \$1044.45 a month; this is in addition to his present appointment (6-16-58).
- LURIA, SALVADOR E., Professor of Bacteriology, two months from June 16, 1958, \$1422.22 a month; this is in addition to his present appointment (6-5-58).
- LYCHYK, NEONILA, Assistant in the Division of Anesthesiology, Department of Surgery (Medicine), July 1, 1958-June 30, 1959, without salary (7-11-58).
- LYNN, KENNETH R., Research Associate in Chemistry, one year from October 1, 1958, \$5700 (6-30-58).
- MARTIN, CLIFFORD K., Assistant in Agronomy (S), June 9-September 15, 1958, \$383.33 a month, supersedes (6-25-58).
- MARWAH, AMARJIT S., Research Associate in Oral Pathology (Dentistry), June 9, 1958-May 31, 1959, \$6000 a year (6-25-58).
- MASTERSON, JOHN, Assistant in English, nine months from September 16, 1958, \$3800, supersedes (7-8-58).
- MAYEDA, WATARU, Research Assistant Professor of Electrical Engineering (C), three months from June 1, 1958, \$708.33 a month, supersedes; and one year from September 1, 1958, \$8500 (6-27-58).
- MCALKESE, DESMOND M., Research Assistant in Animal Science (S), one year from September 1, 1958, \$5000 (6-16-58).
- McFARLAND, NORMAN T., Instructor in Art, academic year beginning September 1, 1958, \$6500 (6-27-58).
- MCGINLEY, CHARLES T., Research Assistant in the Small Homes Council, June 9-July 13, 1958, \$450 a month (7-2-58).
- McMULLEN, ALLISTER, Visiting Lecturer in Education (University High School), ten months from August 16, 1958, \$4222 (6-16-58).
- MEINHARD, RICHARD J., Assistant in Education (University High School), June 16-August 9, 1958, \$1000 (6-5-58).

- METZGER, MARVIN, Associate Professor of Physical Metallurgy (C), two months from June 16, 1958, \$816.67 a month; this is in addition to his present appointment (6-16-58).
- MEUX, MILTON O., Research Associate in the Bureau of Educational Research, one year from September 1, 1958, \$6000 (6-16-58).
- MEYER, ESTHER, Associate Professor of Microbiology (Medicine), $\frac{4}{5}$ time, July 1-August 9, 1958, \$851.66; this is in addition to her present appointment (7-9-58).
- MOOS, CARL, Instructor in Physiology (Medicine), one year from September 1, 1958, \$7000 (7-9-58).
- MOWRER, MRS. WILLIE, Visiting Lecturer in Home Economics, Summer Session of 1958, June 16-August 9, 1958, \$1245 (6-25-58).
- MUELLER, EUGENE A., Research Associate in the State Water Survey, one year from July 1, 1958, \$8400 (6-16-58).
- MYERS, DONALD E., Assistant in Mathematics, Summer Session of 1958, June 16-August 9, 1958, \$800 (6-26-58).
- MYERS, WALTER L., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), $\frac{3}{4}$ time, one year from July 1, 1958, \$4500 (7-11-58).
- NELSON, JAMES A., Instructor in Ceramic Engineering (S), two months from July 1, 1958, \$833.33 a month (7-3-58).
- NENADOVICH, LUBITSA, Assistant in English, Summer Session of 1958, June 16-August 9, 1958, \$845 (6-6-58).
- NISHI, SYOGORO, Research Associate in Psychiatry (Medicine), one year from September 1, 1958, \$5500 (7-9-58).
- NONA, DANIEL A., Apprentice Pharmacist in Hospital Pharmacy (Pharmacy), June 23, 1958-August 31, 1959, \$4800 a year (6-25-58).
- NOON, ZENAS B., Research Assistant in Agricultural Entomology (Agricultural Experiment Station and State Natural History Survey), June 16-August 31, 1958, \$925 (7-8-58).
- OHMURA, TAKAO, Research Associate in Agronomy (Graduate College and Agricultural Experiment Station), one year from July 1, 1958, \$5400 (6-25-58).
- O'KELLY, LAWRENCE L., Professor of Psychology, two months from June 16, 1958, \$1166.66 a month; this is in addition to his present appointment (6-16-58).
- PAISLEY, NANCY S., Research Assistant in Chemistry, two months from June 16, 1958, \$400 a month (7-9-58).
- PARK, ELDON E., Assistant Dean of Men, one year from September 1, 1958, \$4400 (7-2-58).
- PARKER, NORMAN A., Professor of Mechanical Engineering and Head of the Department (C), two months from June 16, 1958, \$3778; this is in addition to his present appointment (6-25-58).
- PARTHASARATHY, GRACE M., Research Assistant in Pathology (Medicine), two months from July 1, 1958, without salary (7-11-58).
- PAUL, JOY C., Research Associate in Pharmacology (Medicine), $\frac{65}{100}$ time, June 11-December 31, 1958, \$300 a month (6-25-58).
- PEACOCK, R. N., Research Associate in Physics (C), one year from September 1, 1958, \$6000 (6-27-58).
- PEARSON, ERWIN W., Research Assistant in the State Natural History Survey, July 15, 1958-August 31, 1959, \$5500 a year (7-9-58).
- PEET, LOUISE J., Visiting Lecturer in Home Economics, Summer Session of 1958, June 16-July 12, 1958, \$934 (6-6-58).
- PELEKODAS, LOIS M., Research Assistant in the Institute of Government and Public Affairs, two months from June 23, 1958, \$400 a month (6-10-58).
- PERLMAN, RAYMOND, Associate Professor of Art, Summer Session of 1958, June 16-August 9, 1958, \$1556 (6-16-58).
- PERRINO, D. J., Visiting Lecturer in Music, Summer Session of 1958, June 13-July 19, 1958, \$500 (6-16-58).
- PETERS, JOSEPH A., Assistant in Mathematics, Summer Session of 1958, June 16-August 9, 1958, \$800 (6-26-58).
- PETERS, MAX S., Professor of Chemical Engineering (S), two months from June 16, 1958, \$1011.11 a month; this is in addition to his present appointment (6-4-58).

- PETERSEN, ARTHUR S. J., Associate Professor of Radiology (Medicine), $\frac{1}{2}$ time, indefinite tenure from August 1, 1958, \$5200 a year, supersedes (7-2-58).
- PETERSON, RUTH F., Counselor in Music, Summer Session of 1958, June 12-July 20, 1958, \$350; for the convenience of the University she will also be furnished room and board while on duty (6-25-58).
- PORTE, ANDREW L., Research Associate in Chemistry, one year from October 1, 1958, \$5400 (7-8-58).
- PREBLE, HARRY, Assistant in English, nine months from September 16, 1958, \$4000, supersedes (7-11-58).
- PRENSKY, WOLF, Assistant in Agronomy (S), July 1-September 15, 1958, \$383.33 a month, supersedes (7-8-58).
- PRINCIC, WALTER, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- PROVOST, ERNEST E., Assistant Professor of Zoology, academic year beginning September 1, 1958, \$5600 (7-14-58).
- RADCLIFFE, JOHN A., Research Associate in Psychology, one month from June 16, 1958, \$500 (6-16-58).
- RAKOVE, MILTON L., Assistant Professor of Political Science (Chicago Undergraduate Division), academic year beginning September 1, 1958, \$5800 (7-11-58).
- RANNEY, J. AUSTIN, Associate Professor of Political Science, one month from July 1, 1958, \$811.11; this is in addition to his present appointment (7-1-58).
- READ, THOMAS A., Professor of Metallurgy and Head of the Department of Mining and Metallurgical Engineering (C), two months from June 16, 1958, \$1611.11 a month; this is in addition to his present appointment (6-16-58).
- REDHEB, WILLIAM, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- REIBEL, DAVID A., Instructor in English, Division of English for Foreign Students, academic year beginning September 1, 1958, \$4500 (6-27-58).
- REINER, IRMA M., Assistant Professor of Mathematics, Summer Session of 1958, $\frac{1}{2}$ time, June 16-August 9, 1958, \$623 (6-26-58).
- REINER, IRVING, Associate Professor of Mathematics, July 1-September 15, 1958, \$2138.89; this is in addition to his present appointment (7-8-58).
- RICHARDS, CLAIRE L., Associate Professor of Music, Summer Session of 1958, June 16-August 9, 1958, \$1556, supersedes previous Summer Session appointment (6-27-58).
- RICKETTS, BERNARD G., Associate Professor of Metallurgical Engineering (C), two months from June 16, 1958, \$922.22 a month; this is in addition to his present appointment (6-16-58).
- RIEHL, JEAN-LOUIS, Instructor in Pharmacology (Medicine), two months from July 1, 1958, \$671 a month (6-25-58).
- RIGGIN, G. W., Visiting Lecturer in Music, Summer Session of 1958, June 22-July 19, 1958, \$300; for the convenience of the University he will also be furnished room and board (6-16-58).
- ROBERTS, JOHN, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- ROBERTS, STUART S., Assistant in Surgery (Medicine), one year from July 1, 1958, without salary, supersedes (6-25-58).
- ROBERTSON, JEAN, Instructor in Medical Social Work (Medicine), July 7, 1958-August 31, 1959, \$5500 a year (7-7-58).
- ROBINSON, PATRICIA A., Instructor in Home Economics, Summer Session of 1958, June 16-August 9, 1958, \$1000 (6-25-58).
- ROBINSON, RALPH L., Instructor in Electrical Engineering (C), academic year beginning September 1, 1958, \$5300 (6-26-58).
- RODRIGUEZ, JOSE J., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1958, \$5000 (6-27-58).
- ROSE, S. MERYL, Professor of Zoology, two months from July 1, 1958, \$1000 a month; this is in addition to his present appointment (6-26-58).
- ROSS, JOHN R., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1958, \$5000 (6-27-58).
- ROWLATT, URSULA, Instructor in Pathology (Medicine), one year from September 1, 1958, without salary (6-16-58).

- RUBENIS, MARY E., Research Assistant in Medicine (Medicine), two months from July 1, 1958, \$5200 a year (7-8-58).
- RUNDUS, ROBERT E., Visiting Lecturer in Education (University High School), August 16, 1958-June 15, 1959, \$4222 (6-16-58).
- RYBAK, F. JAMES, Assistant Professor of Education, $\frac{1}{2}$ time, June 16-August 9, 1958, \$712; this is in addition to his Summer Session appointment (6-16-58).
- SAARLAS, MAIDO, Assistant in Mathematics, Summer Session of 1958, June 16-August 9, 1958, \$800 (6-26-58).
- SANDIN, FREDERICA J., Research Assistant in Education (University High School), June 16-August 9, 1958, \$889 (6-5-58).
- SARIOGLU, M. K., Instructor in Electrical Engineering, Summer Session of 1958, $\frac{3}{4}$ time, June 16-August 9, 1958, \$734 (6-6-58).
- SCARAVELLI, GEORGE, Instructor in Pathology (Medicine), one year from July 1, 1958, \$7000 (6-25-58).
- SCHLOSSER, ROBERT, Assistant Professor in the Bureau of Business Management, $\frac{1}{2}$ time, two months from June 16, 1958, \$377.78 a month; this is in addition to his present appointment (6-16-58).
- SCHRADER, HERMAN J., Research Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1958, \$1111.11 a month; this is in addition to his present appointment (6-27-58).
- SCOTTON, DONALD W., Project Director in the Bureau of Business Management, two months from June 16, 1958, \$950 a month; this is in addition to his present appointment (6-6-58).
- SCOUFFAS, GEORGE, Assistant Professor of English, Summer Session of 1958, $\frac{3}{4}$ time, June 16-August 9, 1958, \$1068, supersedes previous Summer Session appointment (6-27-58).
- SHAFTER, HAROLD, Instructor in Medicine (Medicine), $\frac{4}{5}$ time, two months from July 1, 1958, \$375 a month (7-9-58).
- SHEARD, KEVIN, Instructor in Economics (Chicago Undergraduate Division), academic year beginning September 1, 1958, \$5100 (7-2-58).
- SHORES, J. HARLAN, Professor of Education, Summer Session of 1958, July 14-August 9, 1958, \$1112 (6-30-58).
- SIDNEY, MARY C., Instructor in Humanities (Chicago Undergraduate Division), academic year beginning September 1, 1958, \$4400 (6-16-58).
- SILVA, PAUL C., Research Associate Professor of Botany, $\frac{3}{4}$ time, one month from June 16, 1958, \$623.62; this is in addition to his present appointment (6-16-58).
- SKOGEN, CLARA S., Instructor in Foreign Languages (Chicago Undergraduate Division), Summer Session of 1958, June 23-August 15, 1958, \$1245, supersedes previous Summer Session appointment (7-7-58).
- SKOLD, RONALD V., Research Associate in the State Water Survey, one year from July 1, 1958, \$8600 (6-25-58).
- SMITH, CEDRIC M., Assistant Professor of Pharmacology (Medicine), two months from July 1, 1958, \$910 a month; this is in addition to his present appointment (6-27-58).
- SMITH, SARAH, Assistant in English, nine months from September 16, 1958, \$3600 (6-27-58).
- SMITH, WILLIAM L., Instructor in Full and Removable Partial Dentures (Dentistry), $\frac{3}{10}$ time, one year from September 1, 1958, \$1800 (7-2-58).
- SNYDER, HAROLD R., Research Professor of Chemistry, two months from June 16, 1958, \$1311.50 a month; this is in addition to his present appointment (7-8-58).
- SOKOLOV, ALVIN D., Research Assistant in the Institute of Government and Public Affairs, two months from June 16, 1958, \$400 a month (6-10-58).
- SOWERBY, DAVID B., Instructor in Inorganic Chemistry (College of Liberal Arts and Sciences), $\frac{1}{2}$ time, academic year beginning September 1, 1958, \$2250; and Research Associate in Chemistry (Graduate College), one year from September 1, 1958, $\frac{1}{2}$ time during the academic year and full time during the 1959 summer, \$3250 (6-16-58).
- SPIEGELMAN, SOL, Professor of Bacteriology, two months from June 16, 1958, \$1311.11 a month; this is in addition to his present appointment (6-6-58).

- STEINER, IVAN D., Associate Professor of Psychology, two months from June 16, 1958, \$833.33 a month; this is in addition to his present appointment (6-6-58).
- STRÖHL, GERHARD W., Research Associate in Chemistry, one year from August 16, 1958, \$5820 (7-8-58).
- STROUT, ROSS P., Associate Professor of Mechanical Engineering, Summer Session of 1958, June 16-August 9, 1958, \$1556, supersedes previous Summer Session appointment (6-27-58).
- SUAMI, TETSUO, Research Associate in Chemistry, one year from September 1, 1958, \$5400 (6-30-58).
- SUTFIN, DUANE, Assistant Professor of Physiology, two months from June 16, 1958, \$622.22 a month; this is in addition to his present appointment (6-16-58).
- SUZUKI, KAN, Research Associate in Psychiatry (Medicine), one year from July 1, 1958, \$7500 (7-9-58).
- SWARTWOUT, ROBERT E., Instructor in Electrical Engineering (C), $\frac{3}{4}$ time, academic year beginning September 1, 1958, \$4500 (6-27-58).
- THOMSON, ROBB M., Associate Professor of Physical Metallurgy (C), two months from June 16, 1958, \$777.78 a month; this is in addition to his present appointment (6-25-58).
- THORNBURN, THOMAS H., Professor of Civil Engineering (S), two months from June 16, 1958, \$1000 a month; this is in addition to his present appointment (5-23-58).
- TIBBITTS, F. DONALD, Instructor in Zoology, Summer Session of 1958, June 16-August 9, 1958, \$1178 (6-16-58).
- TORGOFF, IRVING, Visiting Lecturer in Home Economics, Summer Session of 1958, June 16-August 9, 1958, \$1556 (6-6-58).
- TOYAZAWA, YUTAKA, Research Assistant Professor of Physics (C), one month from September 1, 1958, \$600 (6-16-58).
- TREVINO, ERNESTO T., Clinical Assistant in Surgery (Medicine), one year from July 1, 1958, without salary (7-11-58).
- TRIGGER, KENNETH J., Professor of Mechanical Engineering (C), $\frac{3}{4}$ time, two months from June 16, 1958, \$1917; this is in addition to his present appointment (6-4-58).
- TSUGAWA, ALBERT G., Instructor in Philosophy, academic year beginning September 1, 1958, \$4400 (6-16-58).
- TUCKER, ALBERT V., Instructor in History, academic year beginning September 1, 1958, \$5000 (6-16-58).
- TUCKER, MARIE, Research Assistant in Zoology, four months from July 1, 1958, \$400 a month (6-25-58).
- TURNER, FRED A., Instructor in Pharmacy (Pharmacy), Summer Session of 1958, June 30-September 20, 1958, 42/100, time, \$600 for the period (6-4-58).
- VAUGHAN, HERBERT E., Associate Professor of Mathematics (University High School), June 16-July 18, 1958, and August 4-August 22, 1958, \$1778; this is in addition to his present appointment (6-5-58); and Associate Professor of Mathematics for one year from September 1, 1958, to render service during the academic year, \$8500 (7-3-58).
- VELETOS, ANESTIS S., Associate Professor of Civil Engineering (C), June 16-August 31, 1958, \$844.44 a month (6-16-58).
- VOOK, FREDERICK L., Research Associate in Physics (C), two months from July 1, 1958, \$600 a month, supersedes (6-10-58).
- WACHSMAN, JOSEPH T., Assistant Professor of Bacteriology, two months from June 16, 1958, \$644.45 a month. This is in addition to his present appointment. (6-6-58).
- WAHL, F. M., Instructor in Geology, academic year beginning September 1, 1958, \$5000 (6-27-58).
- WALDBAUER, GILBERT P., Research Assistant in Entomology, three months from June 16, 1958, \$400 a month (6-26-58).
- WALKER, EVELYN G., Research Assistant Professor in the Institute of Communications Research, College of Journalism and Communications, on $\frac{3}{4}$ time, and of Psychology, College of Liberal Arts and Sciences, on $\frac{1}{3}$ time, academic year beginning September 1, 1958, \$5600 (6-16-58).

- WALKER, RALPH H., Assistant in English, nine months from September 16, 1958, \$4200 (6-27-58).
- WAYMAN, CLARENCE M., Assistant Professor of Metallurgical Engineering (C), two months from June 16, 1958, \$666.67 a month; this is in addition to his present appointment (6-16-58).
- WEINER, BLUMA B., Research Associate in the Institute for Research on Exceptional Children, June 16-August 9, 1958, \$1400 (6-25-58).
- WEINSTEIN, SHIRLEY, Instructor in Medical Social Work (Medicine), two months from July 1, 1958, \$458.33 a month (6-25-58).
- WELLS, MRS. CATHERINE N., Head Resident in Busey Hall, ten months from September 1, 1958, \$3500; for the convenience of the University she will also be furnished room and board valued at \$31 a month (6-6-58).
- WERT, CHARLES A., Research Professor of Physical Metallurgy (C), $\frac{1}{2}$ time, two months from June 16, 1958, \$494.44 a month; this is in addition to his present appointment (6-16-58).
- WESSELS, WARREN K., Assistant to the Dean, with rank of Instructor, College of Agriculture, July 1, 1958-August 31, 1959, \$6500 a year (7-3-58).
- WEST, GEORGE C., Research Assistant in Zoology, nine months from September 1, 1958, \$5000 a year (7-9-58).
- WHITE, CARLOS A., Research Assistant in Agricultural Entomology (Graduate College and State Natural History Survey), June 9-August 31, 1958, \$370 a month (6-16-58).
- WHITTENBURY, CLIVE G., Research Associate in Aeronautical Engineering (C), $\frac{3}{4}$ time, academic year beginning September 1, 1958, \$4500 (6-25-58).
- WILLS, RUTH E., Acquisition Assistant in the Library, one year from September 1, 1958, \$4500 (7-8-58).
- WISHNER, RICHARD P., Instructor in Electrical Engineering (C), $\frac{1}{2}$ time, academic year beginning September 1, 1958, \$2400 (6-26-58).
- WOERMANN, DIETRICH, Research Associate in Chemistry, one year from September 1, 1958, \$5600 (6-16-58).
- WORLEY, WILL J., Associate Professor of Theoretical and Applied Mechanics (C), one month from June 16, 1958, \$777.77; this is in addition to his present appointment (7-11-58).
- WRIGHT, RICHARD N., III, Instructor in Civil Engineering (S), May 25-August 31, 1958, \$416.67 a month, supersedes (6-16-58).
- WYMAN, MARVIN E., Professor of Physics and of Nuclear Engineering (C), one month from August 1, 1958, \$1333.33 (6-6-58).
- XERIKOS, JAMES, Instructor in Aeronautical Engineering (C), $\frac{3}{4}$ time, first semester of the academic year 1958-59, September 1, 1958-February 28, 1959, \$2250 (6-25-58).
- YANKWICH, PETER E., Research Professor of Chemistry, two months from June 16, 1958, \$944.50 a month; this is in addition to his present appointment (6-6-58).
- YOCUM, PAUL S., JR., Assistant in Ophthalmology (Medicine), one year from July 1, 1958, without salary (6-27-58).
- YOKAN, MELVYN, Research Associate in Neurology-Neurological Surgery-Epilepsy (Medicine), 9/10 time, July 1, 1958-March 2, 1959, \$5000 a year (7-2-58).
- YOUNG, MRS. ALINE O., Instructor in the School of Nursing, three months from June 1, 1958, \$5370 a year (6-4-58).

FELLOWS

(The following appointments were made by the President of the University.)

WARD-STEINMAN, DAVID, Kate Neal Kinley Memorial Fellow for 1958-59.

JOHNSON, BRADLEY R., Ryerson Traveling Fellow in City Planning and Landscape Architecture for 1958-59.

GRADUATE FELLOWS

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

AGGARWAL, ARJUN P., Fellow in Law, June 16-August 19, 1958, \$300 (6-5-58).

ALBRIGHT, JAY D., Phillips Petroleum Company Fellow in Chemistry, June 16-July 31, 1958, \$300 (7-2-58).

- ALLEN, HOWARD, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- ARONSON, ALAN R., United States Public Health Service Fellow (Trainee) in the Chicago Professional Colleges, one year from July 1, 1958, \$4400 (6-19-58).
- BERMAN, MARVIN, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges, for three months from June 16, 1958, \$600 (6-5-58).
- BLUMBERG, MARTIN, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- BODE, VERNON C., Charles Pfizer and Company, Inc. Fellow in Biochemistry, two months from June 16, 1958, \$200 a month (6-23-58).
- BRAKE, JON M., Charles Pfizer and Company, Inc. Fellow in Biochemistry, two months from June 16, 1958, \$400 (6-6-58).
- BROOKS, SUZANNE B., Charles Pfizer and Company, Inc. Fellow in Biochemistry, two months from June 16, 1958, \$400 (6-6-58); Standard Oil Foundation Fellow in Chemistry, nine months from September 16, 1958, \$1500 (6-6-58).
- BURSTEIN, STUART, United States Public Health Service Fellow (Trainee) in the Chicago Professional Colleges, one year from June 16, 1958, \$975 (7-9-58).
- BUSH, RICHARD W., Phillips Petroleum Company Fellow in Chemistry, two months from June 16, 1958, \$333.34 for the period (6-27-58).
- BUSHNELL, JAMES C., Minneapolis-Honeywell Fellow in Physics, nine months from September 16, 1958, \$1800, supersedes (6-6-58).
- CHANDLER, JOHN A., U.S. Rubber Company Fellow in Chemistry, nine months from September 16, 1958, \$2100 (6-27-58).
- CHENOWETH, RICHARD, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- COST, JAMES R., Union Carbide and Carbon Research Laboratories Fellow in Mining and Metallurgical Engineering, nine months from September 16, 1958, \$2100 (6-26-58).
- DARON, HARLOW H., Charles Pfizer and Company, Inc. Fellow in Biochemistry, two months from June 16, 1958, \$400 (6-6-58).
- DOIG, ANDREW, United States Public Health Service Postdoctoral Research Fellow in Medicine, one year from September 1, 1958, without stipend (6-10-58).
- FELDMAN, VICTOR, Lederle Laboratories Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (7-7-58).
- FISCHER, JOHN, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- FRANKHOUSER, DAVID E., American Cyanamid Company Fellow in Chemistry, nine months from September 16, 1958, \$1800 (6-5-58).
- FREED, HARVEY, United States Public Health Service Fellow (Trainee) in the Chicago Professional Colleges, one year from June 16, 1958, \$975 (7-9-58).
- GALINSKY, ALVIN, Fellow in the Chicago Professional Colleges, July 1-September 20, 1958, \$500 (7-1-58).
- GOLDMAN, EUGENE, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- GORDON, MICHAEL, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- GRAMMER, MRS. GEORGEANN, IBM Fellow in Marketing, nine months from September 16, 1958, \$1800 (7-11-58).
- HABERSTROH, HELMUT, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (6-5-58).
- HAWKINS, RICHARD T., Phillips Petroleum Company Fellow in Chemistry, two months from June 16, 1958, \$377.78 (7-2-58).
- HOLT, JAMES A., Charles Pfizer and Company, Inc. Fellow in Biochemistry, two months from June 16, 1958, \$400 (6-6-58).
- JACOBSON, ALLEN, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- JEWELL, WILLIAM, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- JOHNSTONE, WILLIAM W., United States Public Health Service Fellow (Trainee) in the Chicago Professional Colleges, one year from July 1, 1958, \$3320, supersedes (6-19-58).

- KAL, EDMUND, United States Public Health Service Fellow (Trainee) in the Chicago Professional Colleges, one year from June 16, 1958, \$975 (7-9-58).
- KANEMATSU, SHIGETO, Fellow in Animal Science, nine months from September 16, 1958, \$1500 (6-9-58).
- KEER, LARRY, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- KRILL, ALEX E., United States Public Health Service Fellow (Trainee) in the Chicago Professional Colleges, one year from July 1, 1958, \$2520 (6-19-58).
- LAFUSE, HARRY G., Westinghouse Fellowship-Instructorship in Electrical Engineering, nine months from September 16, 1958, \$2000 (6-23-58).
- MARTIN, BRUCE, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- MAY, PERCY C., JR., United States Public Health Service Part-time Medical Student Fellow (Trainee) in Psychiatry, in the Chicago Professional Colleges, one year from June 16, 1958, \$975 (7-7-58).
- MOONEY, ROBERT A., Phillips Petroleum Company Fellow in Chemistry, two months from June 16, 1958, \$377.78 (7-2-58).
- PORTER, RICHARD N., IBM Fellow in Chemistry, nine months from September 16, 1958, \$1800, supersedes (7-11-58).
- RARICK, DAVID, Fellow in Law, June 16-August 19, 1958, \$450 (6-5-58).
- RIEDLINGER, JOHN, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (6-5-58).
- RINGL, JEROME, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (7-9-58).
- ROSEN, SEYMOUR, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- ROTHSTEIN, DAVID, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- RUBEN, RICHARD, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- RUDICH, PERRY, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- SACKETT, DAVID, Lederle Laboratories Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (7-7-58).
- SALANS, LESTER, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- SCAPINO, ROBERT, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (6-5-58).
- SCHRAIBMAN, JOSEPH, George A. Miller Fellow in Spanish, nine months from September 16, 1958, \$1800, supersedes (6-6-58).
- STEMKE, GERALD W., Research Corporation Fellow in Biochemistry, two months from June 16, 1958, \$200 a month (6-23-58).
- SUMMERS, DONALD, Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-1-58).
- TAXMAN, PHILLIP, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- TAYLOR, DAVID, National Science Foundation Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- THOMPSON, DENNIS, Tobacco Industry Research Committee Fellow in the Chicago Professional Colleges, three months from June 16, 1958, \$500 (7-7-58).
- TOY, BILLY R., Ohio Oil Company Fellow in Geology, two months from June 16, 1958, \$150 (6-6-58).
- WEINSWIG, MELVIN H., Fellow in the Chicago Professional Colleges, nine months from July 1, 1958, \$1800 (7-1-58).
- WILEY, WILLIAM R., Rockefeller Foundation Fellow in Bacteriology, two months from June 16, 1958, \$300 (6-19-58).
- WILLIS, BURTON, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (6-5-58).

WOLSZTYNIAK, HAROLD, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges, three months from June 16, 1958, \$600 (6-5-58).

RESIGNATIONS AND DECLINATIONS

- BATSON, BETTY, Instructor in Home Economics (C) — resignation effective September 1, 1958.
- BERGER, CYRENA G., Research Assistant in Pathology (Medicine) — resignation effective June 16, 1958.
- BIENIARZ, JOZEF, Research Associate in Anatomy (Medicine) — declination effective July 1, 1958.
- BOSNAK, WILLIAM A., Assistant in Physical Education for Men (Chicago Undergraduate Division) — resignation effective September 16, 1958.
- BROWN, ERIC R., Instructor in Microbiology (Medicine) — resignation effective September 1, 1958.
- BURHANS, PRISCILLA, Catalog Assistant in the Library — resignation effective September 1, 1958.
- CAREY, GLENN O., Assistant in English — resignation effective September 16, 1958.
- CLARK, J. M., JR., Instructor in Biochemistry (Summer Session) — resignation effective June 16, 1958.
- COLLINS, MAURINE, Serials Reviser, with rank of Instructor, in the Library — resignation effective July 1, 1958.
- CONNER, MRS. BETTY R., Research Assistant in Medicine (Medicine) — resignation effective July 26, 1958.
- COTTER, MRS. ALICE, Assistant to the Dean of Women — resignation effective July 1, 1958.
- CULLER, A. DWIGHT, Professor of English — resignation effective September 1, 1958.
- DONOVAN, CECIL V., Professor of Art (Summer Session) — resignation effective June 16, 1958.
- DUNLAP, LESLIE W., Professor of Library Science and Associate Director of Public Service Departments of the Library — resignation effective September 1, 1958.
- ECKHARDT, RICHARD D., Associate Professor of Medicine (Medicine) — resignation effective July 13, 1958.
- GABIS, STANLEY T., Assistant Professor of Political Sciences (Chicago Undergraduate Division) — resignation effective September 1, 1958.
- GLICKSTEIN, MITCHELL E., Research Assistant in Psychiatry (Medicine) — resignation effective August 1, 1958.
- GOULSON, MRS. FRANCES M., Instructor in Speech (Chicago Undergraduate Division) (Summer Session) — resignation effective June 20, 1958.
- GREENWALD, ARTHUR L., Instructor in English (Chicago Undergraduate Division) — resignation effective September 1, 1958.
- HAMBRICK, THOMAS G., Instructor in Business English — resignation effective September 1, 1958.
- HASEGAWA, MAE, Research Assistant in Medicine (Medicine) — resignation effective August 5, 1958.
- HAYMAN, ALLEN, Assistant in English — resignation effective September 16, 1958.
- HELMER, LORRAINE R., Instructor in English — resignation effective September 1, 1958.
- HIRSCH, JEAN L., Clinical Instructor in Pediatrics (Medicine) — resignation effective July 1, 1958.
- HOLT, E. HOWARD, Research Assistant Professor of Electrical Engineering (C) — resignation effective September 1, 1958.
- JOHNSON, RALPH H., Counselor on the University Council on Teacher Education and Associate Professor of Physical Education for Men — resignation effective September 1, 1958.
- KANEMATSU, SHIGETO, Fellow in Animal Science — declination effective September 16, 1958.
- KARVINEN, ESKO, Research Assistant in Clinical Science (Medicine) — resignation effective July 1, 1958.
- KLEE, FLORENCE C., Instructor in Chemistry (Pharmacy) — resignation effective September 1, 1958.

- LENNARZ, WILLIAM J., United States Rubber Company Fellow in Chemistry — resignation effective September 16, 1958.
- MARDFIN, MRS. DOROTHY F., Research Assistant in Oral Pathology (Dentistry) — resignation effective July 27, 1958.
- MARSHALL, CLIFTON J., Associate Professor of Architecture — declination effective September 1, 1958.
- McFERON, DEAN E., Associate Professor of Mechanical Engineering (C) — resignation effective September 1, 1958.
- McGRATH, MRS. BARBARA, Assistant in Home Economics (C) — resignation effective September 1, 1958.
- McLAUGHLIN, SHIRLEY A., Assistant in English — resignation effective September 16, 1958.
- McTAGGART, MARY D., Assistant in Medical Social Work (Medicine) — resignation effective June 29, 1958.
- MERRILL, WILLIAM M., Associate Professor of Geology — resignation effective September 1, 1958.
- MONKMAN, JOHN A., Clinical Counselor in the Student Counseling Service — resignation effective July 9, 1958.
- NEWMAN, HOWARD A., Assistant in Food Technology (S) — resignation effective July 1, 1958.
- PAULL, DONALD, Assistant Professor of Psychology and Counselor in the Student Counseling Service (Chicago Undergraduate Division) — resignation effective July 1, 1958.
- PERKINS, EDWARD G., Fellow in Food Technology — resignation effective June 1, 1958.
- PERRY, J. WARREN, Assistant Professor of Psychology and Counselor in the Student Counseling Service (Chicago Undergraduate Division) — resignation effective July 1, 1958.
- PETERSON, BEVERLY J., Architecture Library Assistant, with rank of Instructor — resignation effective September 1, 1958.
- PHILLIPS, DAVID L., Assistant Extension Editor, with rank of Instructor, in Agriculture (E) — resignation effective August 1, 1958.
- PORTER, KENNETH W., Professor of History — resignation effective September 1, 1958.
- RABICHOV, HELEN G., Consultant, with rank of Associate Professor, in the School of Social Work — resignation effective September 1, 1958.
- REINER, IRVING, Associate Professor of Mathematics (Summer Session) — resignation effective June 16, 1958.
- SEHE, CHARLES T., Assistant Professor of Zoology — resignation effective September 1, 1958.
- SEKETA, MRS. DELORES H., Research Assistant in Medicine (Medicine) — resignation effective July 26, 1958.
- SHARP, HERBERT L., Counselor in the Student Counseling Service, and Assistant to the Dean of the College of Agriculture, with rank of Assistant Professor — resignation effective July 1, 1958.
- SHATILA, MRS. BARBARA J., Fellow in Social Work — resignation effective September 16, 1958.
- SHEARER, SAMUEL B., JR., Lois Wells Irwin Fellow in Library Science — resignation effective September 16, 1958.
- SMITH, A. E. WILDER, Assistant Professor of Pharmacology (Pharmacy) — resignation effective September 1, 1958.
- TONG, EDMUND, Instructor in Operative Dentistry (Dentistry) — resignation effective July 27, 1958.
- TSIEN, WEI S., Research Associate in Animal Science (S) — resignation effective September 1, 1958.
- WADDELL, CLAUDE E., Lecturer in Aeronautical Engineering (C) — resignation effective June 16, 1958.
- WILKES, RACHEL C., Visiting Lecturer in Library Science (Summer Session) — resignation effective June 16, 1958.
- WILLIAMS, RICHARD A., III, Research Associate in Civil Engineering (S) — resignation effective September 1, 1958.
- WILLIS, BURTON, United States Public Health Service Dental Student Part-time Research Fellow (Trainee) in the Chicago Professional Colleges — declination effective June 16, 1958.

LEAVES OF ABSENCE

- CURLEY, DANIEL, Associate Professor of English—sabbatical leave of absence for the first semester of 1958-59, on one-half pay, and leave of absence during the second semester, without pay. This supersedes his previous leave of absence.
- FINLAY, GILBERT C., Associate Professor of Education, Assistant Dean of the College of Education, and Head of Counseling Service on University Council on Teacher Education—leave of absence, without pay, from July 21 through August 31, 1958; and a change in his appointment status from full time service to 20 per cent time service from September 1, 1958, through June 15, 1959, so that he may work with the Physical Science Study Committee Program.
- GOTTLIEB, DAVID, Professor of Plant Pathology (C and S)—additional leave of absence, with pay, from July 1 to August 16, 1958.
- GRIBBENS, LORRAINE E., Registered Pharmacist in the Hospital Pharmacy, and Research Associate in Manufacturing Pharmacy (Pharmacy)—leave of absence, without pay, one year from July 18, 1958.
- JACKSON, WILLIAM V., Assistant Professor of Library Science and Librarian in the Undergraduate Library—leave of absence, without pay, from July 1 through August 31, 1958, so that he may accept the invitation from the United States Department of State to lecture at the University of Córdoba in Argentina.
- JUNG, ALLEN F., Assistant Professor of Economics (Chicago Undergraduate Division)—leave of absence, without pay, one year beginning September 1, 1958.
- KUYPERS, JOHN M., Professor of Music—leave of absence, without pay, for the academic year 1958-59, so that he may accept a visiting professorship in Music at Dillard University in New Orleans.
- MULLER, DAVID E., Research Associate Professor of Mathematics (College of Liberal Arts and Sciences) and of Applied Mathematics (Digital Computer Laboratory)—leave of absence, without pay, one month beginning August 1, 1958, so that he may accept an invitation to deliver a series of lectures at the Bell Telephone Laboratories, Murray Hill, New Jersey.
- PEART, ROBERT M., Assistant Professor of Agricultural Engineering (C and S)—leave of absence, without pay, one year beginning September 15, 1958, so that he may continue his graduate work.
- PLAGGE, JAMES C., Associate Professor of Anatomy (Medicine)—leave of absence, without pay, two years beginning September 1, 1958, so that he may accept an appointment as Medical Educator to Saigon, Viet Nam.
- SCHERR, GEORGE H., Assistant Professor of Microbiology (Medicine)—leave of absence without pay, from July 1 through August 9, 1958.
- SPORLEDER, DONALD E., Assistant Professor of Architecture—leave of absence, without pay, from September 1, 1958, to March 1, 1959, so that he may accept an appointment to the Francis J. Plym Traveling Fellowship in Architecture.
- TERRILL, STANLEY W., Professor of Animal Science (C and S)—disability leave of absence, with full pay, from April 3 to October 2, 1958.
- THOMPSON, ANSON E., Assistant Professor of Vegetable Crops, in the Department of Horticulture (C and S)—leave of absence, without pay, two years from September 1, 1958, so that he may serve on the contract team of the Kentucky Research Foundation for the management and coordination of the I.C.A. contract with the University of Indonesia as Professor of Horticulture, and as adviser for research and extension activities in this field.
- WHEELER, MRS. DOROTHEA M., Pharmacy Reference Librarian, with rank of Instructor (Chicago Professional Colleges)—leave of absence on account of her health, with full pay, from August 1 through December 31, 1958; and without pay, from January 1, 1959, and continuing until further notice.
- ZIMMERMANN, ARNOLD A., Professor of Anatomy (Medicine)—leave of absence, without pay, one year from September 1, 1958.

CHANGES IN SABBATICAL LEAVES OF ABSENCE

The President of the University has approved the following changes in sabbatical leaves of absence for 1958-59 previously granted by the Board of Trustees.

CURRY, E. THAYER, Professor of Speech, sabbatical leave of absence for the second semester of 1958-59, cancelled without prejudice.

DELANEY, CHARLES O., Assistant Professor of Music, from the academic year 1958-59 on one-half pay, to the first semester of 1958-59 on one-half pay.

DIGGS, BERNARD J., Associate Professor of Philosophy, from the academic year beginning September 1, 1958, on full pay, to the second semester of 1958-59 on full pay.

FOOTE, BRUCE R., Professor of Music, sabbatical leave of absence for the second semester of 1958-59, cancelled without prejudice.

KOLB, PHILIP, Professor of French, from the second semester of 1958-59 on full pay, to the full year beginning September 1, 1958, on one-half pay.

WANN, ANDREW J., Associate Professor in the Institute of Labor and Industrial Relations, sabbatical leave of absence for the academic year 1958-59, cancelled without prejudice.

EXECUTIVE SESSION

At this point, on motion of Mrs. Watkins, an executive session was ordered for the consideration of the following items of business.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

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

1. Multiple laboratory facility—Ora L. Railsback, Professor of Physics, and Harold M. Skadeland, Associate Professor of Physics, both of the Chicago Undergraduate Division, inventors. This invention, which encompasses the "Lazy Susan" principal of a rotating platform, is intended to allow more efficient use of classroom space by converting the room's facilities instantaneously to allow different classes to use the laboratory in succeeding periods. While one class is being conducted, a laboratory stockman may be setting up the apparatus for the next class without interrupting the class in the room at the time.

The Patent Committee believes that this application of the "Lazy Susan" principal would not constitute a unique enough claim to justify a patent application. Further, it does not appear that the invention has much commercial value. The inventors indicated in their disclosure that if the invention were released to them, they would propose to publish a description of the invention in a scientific journal, thus barring any possible patent application. The Committee recommends that the invention be released to the inventors.

2. Regimen of carotenoid therapy—Ruven Greenberg, Assistant Professor of Physiology, and Theodore Cornbleet, Clinical Professor of Dermatology, inventors. This invention concerns the ingestion of carotene (derived from carrot juice) which is claimed to be beneficial in the treatment of acne and psoriasis.

The Patent Committee previously requested the University of Illinois Foundation to investigate the desirability of obtaining a patent. The Foundation reports that the claims made by the inventors would be difficult to support in a patent application. Further, it does not appear that any possible patent would have much commercial value. This report corroborates the recommendation by the Head of the Department where the invention was conceived. The Patent Committee recommends that this invention be released to the inventors.

3. A semen diluent and processing method—N. L. VanDemark, Professor of Physiology, A. D. Sharma, Assistant in Dairy Science, and G. W. Salisbury, Professor of Dairy Science, inventors. This invention was described to the Board of Trustees at its meeting on July 16, 1957, and at that time the Board authorized the University of Illinois Foundation to apply for a patent, but no decision was made concerning who would own the title to any patent obtained. The Patent Committee now recommends that the University release its rights in this invention to the University of Illinois Foundation and that title to any patent issued be in the name of the Foundation. This action will facilitate the efficient management of any licensing and royalty arrangements.

4. Synthetic high polymers on tablet coatings—E. R. Serles, Dean of the College of Pharmacy (deceased), D. L. Deardorff, Professor of Manufacturing Pharmacy, and Dale W. Doerr, Instructor in Pharmacy, inventors. This devel-

opment involves the use of synthetic material as an alternative for sugar coatings on medicinal tablets. As approved by the Board of Trustees at its meeting on May 23, 1953, this invention was referred to the University of Illinois Foundation for further study with authority to apply for a patent if this action appeared desirable. The Foundation has now applied for and received such a patent and has requested the Patent Committee to make a recommendation as to the distribution of any income received from licenses or royalties that may be received.

The Patent Committee recommends that 12 per cent of the income received and available after the payment by the Foundation of any development or other costs incurred in connection with this patent be paid to and divided among the inventors in such a manner as they may agree upon.

5. A column packing material for high temperature inorganic gas chromatography — Richard S. Juvet, Jr., Assistant Professor of Analytical Chemistry, and Francis M. Wachi, Assistant in Chemistry, inventors. This development is a new method in gas chromatography separation which heretofore has been restricted to the analysis and separation of volatile organic substances. It uses certain non-volatile inorganic eutectic mixtures.

The Head and other authorities in the Department of Chemistry and Chemical Engineering are of the opinion that there is little likelihood that this development will have commercial value and have recommended that the invention be released to the inventors. The Patent Committee concurs in this opinion and so recommends.

6. Bubble oxygenator for extra corporeal circulation during cardiac surgery — Mariano Lopez-Belio, Assistant Professor of Surgery, and Ormand C. Julian, Associate Professor of Surgery, inventors. This instrument oxygenates blood outside the body for the purpose of extra corporeal circulation during cardiac surgery. One model of this machine has been developed through frequent experimental and clinical use at the University of Illinois College of Medicine and the Research and Educational Hospitals and at Presbyterian-St. Luke's Hospital.

Although this development is novel and gives promise of a definite contribution to surgical practices, apparently it is very improbable that it will be commercially profitable because of the small number that would be used. Accordingly, Dr. W. H. Cole, Head of the Department of Surgery, and Vice-President H. E. Longenecker have recommended that it be released to the inventors for the specific purpose of obtaining further models through the facilities of a Chicago instrument company that wishes to construct this equipment and distribute it at no profit to the inventors or the company.

The University Patent Committee concurs in this opinion and recommends its release to the inventors.

7. Vacuum regulator — Dillon E. Mapother, Associate Professor of Physics, inventor. This device is a self-acting valve which, when introduced into a pumping line, opens and closes in response to fluctuations in inlet pressure so as to maintain the inlet pressure constant.

The Patent Committee in October, 1957, requested the University of Illinois Foundation to study and report back on this device. The Foundation was able to secure an exhaustive opinion from a manufacturer as to the possibilities of obtaining a patent and building this device. This company has now reported back that a very high selling price would be necessary if such a device were manufactured; and at the same time quality control would be difficult. Accordingly, the Foundation has returned the matter to the University with a notice that it does not wish to seek a patent.

The inventor has advised that it is his plan to publish this development within a few months. Accordingly, it is the recommendation of the Patent Committee that all rights of the University in this invention be released to the United States Navy, the sponsoring agency under which it was developed.

8. Binary digital shifting register — Arnold T. Nordsieck, Professor of Physics, inventor. This device is for use in connection with a synchronous binary digital computer and is a delay line which requires a very small amount of energy with realizable audio frequencies over a broad range.

The Patent Committee requested the University of Illinois Foundation to investigate this invention as to commercial possibilities, and the Foundation has

reported that no company has been found that is interested in developing the invention.

The inventor has requested that this invention be released to him. The United States Army Signal Patent agency representing the United States Government, which had sponsored the project on which the invention was developed, has agreed to this release, providing that the Government be granted a royalty-free license to the use of any patent that is issued. The Patent Committee approves such an arrangement and recommends that all rights of the University in this invention be released to the inventor, with the stipulation that the United States Government and the University of Illinois be granted royalty-free licenses to use any patent that may be issued in connection therewith.

I concur in these recommendations.

President Livingston reported that the Executive Committee had previously considered these recommendations and concurs in them.

On motion of Mrs. Watkins, these recommendations were approved by the Board.

SETTLEMENT OF THE SUIT OF CHARLES GOREY

(33) Recently Mr. Charles Gorey, an electrician in the employ of the University of Illinois at the Chicago Professional Colleges, instituted a mandamus proceeding in the Circuit Court of Cook County to recover salary and other benefits which he lost as the result of being placed on involuntary disability leave from January 2 through April 5, 1957.

Mr. Gorey was first employed by the University in 1941 and between that year and 1944 worked for it from time to time. Since October 24, 1944, to the present time, Mr. Gorey has been employed as a full-time electrician.

For some time prior to November, 1953, Mr. Gorey suffered from a physical condition, diagnosed as a hypersensitive carotid sinus, which rendered it dangerous for Mr. Gorey to do work (such as changing overhead lamps) which would necessitate extending his arms over his head, especially if he would be working on a ladder. While his condition was known to the Health Service at the Chicago Professional Colleges Campus and to the Supervisor of Building Craftsmen, it did not come to the attention of the Assistant Superintendent of Buildings and Grounds or that of the Superintendent of Buildings and Grounds until the fall of 1953. At that time a report from the Health Service was presented to them and, upon recommendation from the Office of Nonacademic Personnel, Mr. Gorey was placed on leave of absence for disability. However, the Health Service immediately advised that he could do all types of work if he kept his collar open to eliminate any pressure on his neck and, consequently, he was returned to work. On November 11, 1956, the Health Service issued an additional report to Mr. Gorey that he should not do certain portions of the work usually done by electricians, and Mr. Gorey declined to do "lamping" since it would require him to be on a ladder and work with his hands above his head. The report from the Health Service that Mr. Gorey should not do *all* work requiring the raising of his arms above the head was confirmed in December, 1956. On the basis of this advice, and with the concurrence of the Office of Nonacademic Personnel, Mr. Gorey was placed on disability effective January 2, 1957, but because of accumulated sick leave and vacation, he received full pay for the period January 2 to January 29, 1957.

While Mr. Gorey apparently acquiesced in this action by voicing no objection before the end of January, 1957, it developed that he was objecting to or questioning it and was supported in his position by his union. Further negotiations and investigations took place and he was restored to active duty on April 8, 1957, but because of his physical condition instructions were issued that he should not be required to do work which the Health Service physicians considered would be dangerous and inadvisable for him to attempt.

As a result of the foregoing and the involuntary disability leave upon which he was placed, Mr. Gorey did no work from January 2 through April 5, 1957, although he was paid the same amount he would have earned in January of that year if he would have been working then by allowing him fifteen days of wages to sick leave and five working days of vacation time which he had earned

and to which he was entitled. He was paid nothing for the forty-three days he lost from January 30 through April 5, 1957.

After he was restored to active duty, Mr. Gorey and the business agent of his local union demanded that he be paid what he would have earned had he been permitted to work from January 30 to April 5, 1957, and that the fifteen days of sick leave and five days of vacation time be restored. Action upon this request was deferred while attempts were made to hold a conference with the business agent of the union concerning Mr. Gorey's claims and concerning charges which that union had preferred against Mr. Gorey's foreman and a fine which it had imposed upon the foreman stemming out of the latter's action in reporting Mr. Gorey's claim that, because of his physical condition, he was not supposed to be required to do overhead lamping work. The business agent of the union ignored requests for a conference and apparently was unwilling to hold it with University representatives. Mr. Gorey then instituted the mandamus suit.

As the result of conferences with University officers and study of the facts and law, it is the conclusion of the Legal Counsel that the University had no legal right or authority to place Mr. Gorey upon enforced disability leave, and that the University does not have a good defense to Mr. Gorey's suit. It is his recommendation and that of the Director of the Physical Plant and of the Director of Nonacademic Personnel that the University pay Mr. Gorey \$1,331.60 for wages which he would have earned had he worked between January 30 and April 5, 1957, and the fifteen working days sick leave credit be restored; and that, for purposes of seniority and accruing sick leave and vacation benefits, Mr. Gorey's full-time employment status include the period January 2, 1957, to April 8, 1957. In return, Mr. Gorey will waive any claim for restoration to him of the five working days of vacation time credit against which a portion of the wages paid him for the month of January, 1957, was charged. In addition, it is understood that Mr. Gorey will do what he can to secure dismissal of charges against the foreman now pending before the Executive Board of the local union of which the foreman and Mr. Gorey are members.

I concur.

Mr. Swain stated that the Committee on Nonacademic Personnel had previously received this report and was prepared to support the recommendation.

On motion of Mr. Swain, the recommended settlement was authorized.

ACQUISITION OF PROPERTY AT 508 EAST JOHN STREET, CHAMPAIGN

(34) The property at 508 East John Street, Champaign, Illinois, consists of a lot 66 feet by 187 feet (12,342 square feet) with a frame residence which had been used as a rooming house but which was recently seriously damaged by fire. Since this property is in the area within the University's land acquisition program, it is important that the University acquire it now, and before the house is rebuilt and the cost of acquiring it increases accordingly. Until it is required as a site for a University building, the land can be used as a University parking lot, it being situated in an area where parking space is greatly needed.

The property is zoned for B-2 business operations which is the general classification of the University business district in Champaign.

The University has secured two appraisals of the property, one appraising its value at \$25,000 and the other at \$32,000. University officers believe that \$29,000 constitutes a fair and reasonable price for the property. That figure is in line with appraisals and would represent a land acquisition cost of \$2.35 per square foot, which compares favorably with other recent property purchases near the campus ranging from \$2.33 to \$5.83 per square foot.

Funds for the purchase of the property are available in the contingencies item in the state capital appropriations to the University for 1957-59, subject to release by the Governor. The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of this property at a price of \$29,000 and that the Comptroller and the Secretary of the Board be authorized to execute the necessary documents, subject to the approval of the same

and of the title by the Legal Counsel, and further recommend that the Legal Counsel be authorized and directed to take the necessary steps to institute a condemnation suit and acquire the property through the exercise of the University's right and power of eminent domain in the event the owner refuses to sell the property to the University at the \$29,000 figure.

I concur.

Mr. Williamson reported that this recommendation had previously been submitted to and was considered by the Committee on Buildings and Grounds.

On motion of Mr. Williamson, the acquisition of this property at a purchase price of \$29,000 was authorized; and if the owner refuses to sell at that figure, the Legal Counsel is authorized to institute a condemnation suit for the acquisition of this property through proceedings in eminent domain. This action was taken by the following vote: Aye, Mr. Bissell, Mr. Hughes, Mr. Livingston, Mr. Nickell, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mrs. Holt, Mr. Johnston, Mr. Stratton.

On motion of Mr. Williamson, the Board adjourned.

A. J. JANATA
Secretary

PARK LIVINGSTON
President

APPENDIX

**RECOMMENDATIONS OF THE UNIVERSITY BUILDING PROGRAM
COMMITTEE FOR THE 1959-61 BIENNIUM INCLUDING
THE TENTATIVE PROGRAM FOR 1961-63
AND AN ESTIMATE OF THE ADDITIONAL CAPITAL NEEDS
FOR 1963-69**

(Approved by the Board of Trustees July 29, 1958, page 36)

INTRODUCTION

The Building Needs of the University

Two kinds of needs are considered in the building program of the University: (1) catching up with the past, and (2) constructing buildings fast enough to make room for the future. Both kinds require quick action on a large scale if the facilities of the University are not to "bottle-neck" when they are needed most.

CATCHING UP WITH THE PAST

Although the University of Illinois has a large and imposing campus, the University does not have all the classrooms, libraries, laboratories, and offices that it really needs for its present requirements. If there were no backlog of needs, the problem of how to care for future enrollment increases and related demands might not be quite so serious.

When the University was asked last year for a summary of the building needs for the next ten years, in preparation for the bond issue, the University of Illinois more than filled its proposed allocation of funds from its list of buildings *needed right now*. These were the buildings that had been approved by the University building committee in the past and had been submitted to the Budgetary Commissions of previous sessions of the General Assembly. Although the need was not questioned, final appropriations were always far less than the amount asked — always in the hope that it would be easier to catch up with these deferred projects at some time in the future.

This accumulation of a building backlog has been in progress for twenty-five years: first, during the Depression, when there just weren't any funds available no matter how great the need; then during World War II, when no construction could be undertaken because of material and manpower priorities; finally, in the postwar period when the state began a valiant attempt to make up past deficiencies. But the higher enrollments of veterans and a higher proportion of college-minded youth than ever before increased the demands.

Just to hold even became a problem. Buildings went up, but there was no net gain in meeting the total building deficit. In fact, the backlog of needs increased rather than decreased.

Evidences of this increasing need appear repeatedly in the biennial summaries and requests of the University's building committee as submitted to successive sessions of the legislature. In these reports are studies of building usage, building costs, relations of areas to students, to staff, to kinds of courses, and to all the other factors that enter into the problem of how much space is needed for a given number of students engaged in a given educational program.

There would be little point in reproducing here the details of these reports, but a summary of the building requests and amounts actually received over a period of years is enlightening. Going back from the present these are the results:

In 1957 the University requested \$35,674,000; it received \$14,275,000.

In 1955 the University requested \$37,185,000; it received \$ 8,855,000.

In 1953 the University requested \$34,979,000; it received \$ 8,096,000.

In 1951 the University requested \$39,580,000; it received \$ 6,875,000.

The story is much the same during the war years and the Depression. The last comprehensive building program took place at the University more than a quarter of a century ago, when during the 1920's the University of Illinois did get its building supply into adequate relationship to its then current enrollment.

But what was adequate in the 1920's is not adequate now. What was new then, requiring little maintenance, is beginning to show the effects of constant use over a quarter of a century. Some laboratories are more than fifty years old and require rewiring, safety, fire, and lighting improvements, and further remodeling to fit changing uses and programs.

The "temporary" barracks buildings acquired after the War have now been in use for a decade. Thus, the University must use more and more of its funds for remodeling and renovation of existing buildings. Over \$5,000,000 of the 1957 request of the University was needed for such work.

MAKING ROOM FOR THE FUTURE

That an unprecedented number of students will want to enroll in our colleges and universities in the next ten to fifteen years hardly needs demonstration at this date. The accelerated building of public schools to take care of our present school-age population is everyday evidence of what is to come at the university level.

The report of the President's Committee on Education Beyond the High School finds that enrollments will double. The Illinois Joint Commission of Higher Education made a detailed study of the outlook for Illinois and arrived at the same conclusion.

The present high enrollments in our universities come from the smallest college-age group in the past twenty-five years. They represent children born during the period when marriages and birth rates reached their lowest point. The reason for the current level, in spite of the small total number from which the students are drawn, is that the *proportion* of college-age youth who go to college has been climbing rapidly.

When this increased ratio of actual to potential enrollments is applied to the college population in the decade between 1960 and 1970, there is only one answer. Since the birth rates doubled during and after the War compared with the previous decade, we must prepare for at least twice as many college students before 1970.

What does this mean in terms of buildings and space to be provided? Obviously, it does not mean duplicating the entire physical plant of the University, for many functions can be performed for much larger numbers with relatively small additions of space. After its study of coming needs the University has prepared a building program for the five biennia, 1959-69, which calls for total expenditures as follows:

Chicago Professional Colleges.....	\$ 32 500 000
Chicago Undergraduate Division — to provide permanent quarters for the present program and student body (with some latitude for expansion).....	\$ 50 000 000
Urbana-Champaign.....	\$116 000 000
	\$198 500 000*

There are, of course, certain assumptions that must be made in arriving at a figure to apply to a ten-year building program. For example, the figure given above for the Chicago Undergraduate Division provides largely only for a continuation of the present program on a permanent site, since the nature and timetable of expansion to four-year programs have not yet been determined. Other changes in programs or shifts in enrollments to courses requiring laboratory facilities would also increase these estimates of cost.

It is assumed that the people of Illinois will want the University to continue its research and extension work and to find new ways to improve agriculture, to build better roads and bridges, to improve business practices, to build better and more economical homes, and to make this knowledge available through publications, lectures, conferences, and short courses both on and off the campus.

All of this means that the figures are realistic assumptions about the character of future needs. They represent the best estimates that can be given today for the kind of program in the future that the people of Illinois have shown that they want and expect from the University of Illinois.

PLANNING PROCEDURES

This is a long-range plan based upon uniform standards applied throughout the institution. The plan is flexible and susceptible to continuing refinement and revision. It is the result of a unique approach to planning which utilizes the faculty and staff from throughout the University as well as consultants.

The procedure followed in developing the ten-year estimated needs started with the circulation of a carefully-designed questionnaire to all colleges and departments, asking them to apply the given standards (developed by the University Space Planning Office) to determine their present space deficiencies and the facilities required to accommodate a 75 per cent increase in enrollment by 1969.

* This does not include residence halls, which are largely self-supporting.

This resulted in an inventory of needs totaling \$411,000,000, much of which was to come from sources other than state appropriations. It should be noted that housing and other self-supporting activities are included. Careful analysis, reduction of standards to the minimum considered satisfactory, and increasing somewhat the Chicago Undergraduate Division program, resulted finally in the ten-year totals of Table I.

The next step in the procedure was to request each dean to list the projects of his college in relative order of need. This priority consideration by the colleges assisted the Committee in arriving at its recommendations for the 1959-61 biennium. It was necessary, however, to develop the planning policies before the Committee could make final priority separations among the wide variety of needs.

The basic planning policy is simple and comprehensive. It rests upon the premise that the University of Illinois is an instrument of the people of the state and that it should be devoted: (1) to the education and training of youth; (2) to research designed to add to the store of knowledge in all the fundamental fields of learning; and (3) to render those services, for which it is particularly suited, to various segments of state's life such as agriculture, industry, commerce, and government; all to the ultimate end that the University shall contribute to civic health and economic prosperity, and to the enrichment of the lives of its citizens.

The planning assumptions upon which the program for each of the campuses has been developed are listed in the Appendix.

TABLE I
Tentative Summary of the 1959-69 Building Program
(All amounts are in millions of dollars)

	<i>Period</i>	<i>Urbana- Champaign</i>	<i>Chicago Under- graduate Division</i>	<i>Chicago Profes- sional Colleges</i>	<i>Total</i>
Two-Year Program	1959-61	38.1	10.0	6.7	54.8
	1961-63	24.5	35.0	8.9	68.4
Four-Year Program	1959-63	(62.6)	(45.0)	(15.6)	(123.2)
	1963-65	20.0	5.0	6.9	31.9
	1965-67	17.4	(1)	5.5	22.9
	1967-69	16.0	(1)	4.5	20.5
Ten-Year Program	Total	116.0	50.0	32.5	198.5

TABLE II
Recommended Schedule of Capital Projects for the 1959-61 Biennium
(Analyses and justifications of the individual projects recommended for the 1959-61 biennium appear in the Appendix)

1. Building Projects	
1. Education Building.....	\$3 230 000
2. Completion — First stage Physics Building.....	280 000
3. Completion — First stage Fine and Applied Arts Building.....	250 000
4. Commerce Building.....	2 800 000
5. Completion — Medical Research Laboratory, Chicago Professional Colleges.....	415 000
6. Physics Building, Second stage.....	3 140 000
7. Remodeling, Rehabilitation, and Minor Additions — Urbana-Champaign (Schedule A).....	1 000 000
8. Library, Seventh Addition.....	1 350 000
9. Medical Sciences Addition — Chicago Professional Colleges....	3 400 000
10. Fine and Applied Arts Building, Second stage.....	500 000
11. Remodeling, Rehabilitation, and Minor Additions — Chicago Professional Colleges (Schedule B).....	1 909 000
12. Physical Plant Service Building — Chicago Professional Colleges (acquisition by purchase).....	300 000

¹ Additional funds will be required when the enrollment exceeds 6,000 students, some of whom may be juniors and seniors.

13. Biology Building, Second stage.....	2 525 000 ¹
14. Physical Plant Service Building — Urbana-Champaign.....	2 000 000
15. Electrical Engineering Addition.....	2 500 000
16. Plant Sciences, Agronomy.....	4 900 000 ²
17. Smith Music Hall Addition.....	1 380 000
	(31 879 000)
II. <i>Utilities Distribution and Power Plant</i>	
Urbana-Champaign.....	7 100 000
Chicago Professional Colleges.....	200 000
Chicago Undergraduate Division.....	5 500 000
	(12 800 000)
III. <i>Land and Planning</i>	
Land Acquisition	
Urbana-Champaign (Schedule C).....	2 250 000
Chicago Professional Colleges.....	(515 000) ³
Chicago Undergraduate Division.....	3 500 000 ⁴
Plans and Specifications	
Urbana-Champaign (Schedule D).....	900 000
Chicago Professional Colleges.....	200 000
Chicago Undergraduate Division.....	1 000 000
	(7 850 000)
IV. <i>Protection of Life and Property, and Public and Street Improvements</i>	
Life and Property	
Urbana-Champaign (Schedule E).....	350 000
Chicago Professional Colleges.....	200 000 ⁵
Public and Street Improvements	
Urbana-Champaign (Schedule F).....	900 000
	(1 450 000)
V. <i>Funds to Supplement Outside Grants (Schedule G)</i>	
Urbana-Champaign.....	800 000
Chicago Professional Colleges.....	100 000
	(900 000)
<i>Grand Total</i>	\$54 879 000
Summary by Campus	
Urbana-Champaign.....	\$38 155 000
Chicago Professional Colleges.....	6 724 000
Chicago Undergraduate Division.....	10 000 000
<i>Grand Total</i>	\$54 879 000

Schedule A — 1959-61 Biennium

REMODELING, REHABILITATION, AND MINOR ADDITIONS — URBANA-CHAMPAIGN

Appropriation — \$1,000,000

Improvements and rehabilitation of existing buildings are urgently needed. The following, *not* listed in any order of priority, are examples of such needs.

1. Remodeling of English Building for use by the Department of Physical Education for Women.
2. Remodeling of that area vacated by Physics Department in Physics Laboratory for use by Mining and Metallurgical Engineering Department.
3. Remodeling of area vacated by Physiology Department in Natural History Building for use by Botany Department.
4. Remodeling of area vacated by Department of Bacteriology in Noyes Laboratory for use by Chemistry and Chemical Engineering Department.
5. Remodeling of area vacated by University Press in basement of Administration Building for expansion by other administrative units in building.

¹ Assumes the Department of Zoology will continue to use the Vivarium.

² Assumes completion of required space for Agronomy including greenhouses (based on new reduced standards).

³ To be provided through appropriations to the Medical Center Commission.

⁴ Subject to adjustment after site has been selected by Board of Trustees.

⁵ To correct a potentially dangerous overload condition in the electrical distribution system in the old hospital section.

6. Remodeling of Huff Gymnasium for Sports Psychology Laboratory, dark room, and finish basement and swimming pool.
7. Minor Addition to Talbot Laboratory for needs of Theoretical and Applied Mechanics Department.
8. Minor Agriculture structures.
9. Remodeling of McKinley Hospital kitchen, including certain fixed equipment.
10. Minor construction for Home Management and Nutrition Research (Home Economics).
11. Remodeling of science units at University High School.

All of the above can not be financed from the appropriations requested, so similar appropriations in each biennium are urgently needed to reduce the large backlog which has been accumulating in the older buildings.

Schedule B — 1959-61 Biennium

REMODELING, REHABILITATION, AND MINOR ADDITIONS — CHICAGO PROFESSIONAL COLLEGES

Appropriation — \$1,909,000

The remodeling proposed for this biennium is a necessary next step in the planned program of the colleges.

1. Phase II in remodeling the administrative space.....	\$ 31 000
2. Locker rooms in basement of east wing.....	100 000
3. Elevator rehabilitation.....	135 000
4. Fire and safety improvements in hospital.....	30 000
5. Rehabilitation of biochemistry laboratory.....	45 000
6. Remodeling basement for orthopaedics.....	66 000
7. Remodeling center section of hospital laboratory.....	259 000
8. Remodeling radioisotope laboratory.....	120 000
9. Rehabilitation and remodeling in Neuropsychiatric Institute.....	87 000
10. Rehabilitation in pharmacology laboratory.....	7 000
11. Locker rooms.....	30 000
12. Rehabilitation of dietary laboratory.....	10 000
13. Obstetrics-Gynecology tube system.....	10 000
14. X-ray view room.....	150 000
15. Construction at the Drug and Horticultural Station.....	169 000
16. Snack bar.....	20 000
17. Remodeling on ninth floor.....	40 000
18. Remodeling Physical Plant Service Building (to be purchased).....	600 000
<i>Total</i>	<u>\$1 909 000</u>

Schedule C — 1959-61 Biennium

LAND ACQUISITION — URBANA-CHAMPAIGN

Appropriation — \$2,250,000

The construction of a major building requires approximately two years to complete. Therefore, the land necessary to serve as a site must be acquired prior to the biennium in which the construction is to be started. Additional land is required for buildings, both academic and housing, for parking, and to replace land to be released by the College of Agriculture and for its expansion (which will be needed during the next ten-year period).

Funds should also be available when parcels of land are offered for sale. Purchases made at such times result in lower acquisition costs and make possible interim use by the University.

Schedule D — 1959-61 Biennium

CAMPUS PLANNING AND BUILDING STUDIES — URBANA-CHAMPAIGN

Appropriation — \$900,000

The University should recognize the value of allowing adequate time for a thorough study and analysis of departmental requests for space and for the preparation of building studies and designs. It is a physical impossibility to prepare plans and specifications, take bids, and complete the construction of a building in a biennium. Therefore, funds should be appropriated for building studies and, whenever possible, for plans and specifications in the biennium prior to that in which

construction is to be started (i.e., funds appropriated in 1959-61 for building studies would be expended on building projects to be constructed in 1961-63). This procedure would eliminate the need for reappropriating funds and allow more effective planning and designing of future University buildings.

This appropriation would provide for:

1. Completion of plans and specifications for \$15,000,000 of project costs..	\$500 000
2. Completion of building studies <i>only</i> for \$15,000,000 of project costs...	230 000
3. Related Physical Plant costs.....	20 000
4. Continuation of campus planning studies for all campuses.....	150 000
<i>Total</i>	<u>\$900 000</u>

Schedule E — 1959-61 Biennium

PROTECTION OF LIFE AND PROPERTY — URBANA-CHAMPAIGN

Appropriation — \$350,000

1. Natural History Building.....	\$225 000
a. Enclose (or relocate and enclose) the main stairs and elevator shaft.	
b. Replace elevator with modern worm-gear traction equipment and automatic controls.	
c. Enclose north stairs or construct cutoff at each floor with smoke barrier.	
2. Illini Hall.....	\$ 50 000
Enclose the remaining stairways or construct smoke barriers at the foot of each flight of stairs.	

The absence of fire retardant enclosed stair towers has long been recognized as a principal contributing cause of major fires resulting in the serious loss of life and property that could otherwise be prevented. The National Board of Fire Underwriters has stated probably the most dangerous feature in the construction of school buildings is the open stairway.

The two buildings listed above are not the only buildings for which enclosed stair towers are recommended; they are, however, the most urgently needed based on the recommendations of the Safety Coordinator of the Safety and Fire Protection Board.

3. The ammonia refrigeration system used for the Ice Skating Rink has failed. It must be replaced by a new, safer freon system in order to keep the rink in service.....	\$ 75 000
<i>Total</i>	<u>\$350 000</u>

Schedule F — 1959-61 Biennium

PUBLIC AND STREET IMPROVEMENT PROJECTS — URBANA-CHAMPAIGN

Appropriation — \$900,000

For many years the University has followed the policy of contributing its proportionate share of the costs of duly approved public and street improvement projects sponsored by local public agencies when such improvements adjoin University properties and/or from which the University receives benefits.

Four such projects on which the University has requested to contribute its proportionate share in the 1959-61 biennium are:

1. The expansion of the Urbana-Champaign Sanitary District Plant facilities and the construction of intercepting sewers.....	\$178 000
2. The construction of a diversionary channel around the north side of the community to lift some of the pressure from the main storm water outlet, the Boneyard Creek, by discharging part of the runoff into the Saline or west branch of the Salt Fork River.....	115 200
3. The improvement of the main channel of Boneyard Creek between Goodwin and Cunningham Avenues, including sheet steel piling on the banks from Race Street to Lincoln Avenue.....	72 000
4. The repaving of Green Street from Wright Street to Goodwin Avenue..	133 100

The following additional projects are recommended:

a. Improvement of First Street from Florida Avenue to approximately 650 feet south of St. Mary's Road.....	187 300
b. Improvement of Fourth Street from Florida Avenue to St. Mary's Road.....	123 300

These projects are recommended to handle the vehicle and pedestrian traffic to and from the Assembly Hall and adjoining planned parking facilities.

- c. The relocation and widening of the Illini Union drive..... 47 100
 This improvement will rearrange the entrances to line up with Burrill Avenue and Kings Highway and will localize the points of traffic congestion on Green Street. The drive is to be widened to 24 feet which will allow for either two-way traffic if there is no parking permitted along the drive, or provide for parking on one side and the safe passage of University fire apparatus and/or other vehicles.
- d. The replacement of present bridge on Burrill Avenue..... 40 000
 This improvement is a part of the Burrill Avenue widening project being planned to accommodate right-angle parking.

Schedule G — 1959-61 Biennium

FOR MATCHING FUNDS FROM FEDERAL, PRIVATE, AND OTHER GRANTS

Appropriation — \$900,000

Grants may become available for which matching or supplemental funds will be required. The appropriation requested will be adequate for one to three of the projects listed. The starred items have had various degrees of assurance of outside support.

Examples of such projects are as follows:

- *1. Institute of Labor and Industrial Relations
- 2. Physical Environment Laboratory
- *3. Veterinary Medicine — Secure Isolation Ward
- 4. Radio Astronomy Facility
- 5. Biophysics Project
- 6. Bioacoustics Laboratory
- *7. Research Methods for Sociology and Anthropology
- 8. Public Service Training Center (Continuation Center)
- 9. R.O.T.C. Facilities
- 10. Radioisotope Laboratory
- 11. Electron Microscope Laboratory

TABLE III

Preliminary Tentative Building Program for the 1961-63 Biennium

These cost estimates are preliminary approximations. They will be revised as this tentative program is developed during the next two years. All of these projects are subject to continuing study. It will probably be necessary to make substitutions, as urgency of need may change during the next two years.

I. <i>Chicago Undergraduate Division</i>	\$35 000 000
II. <i>Building Projects (not in order of priority)</i>	
1. Addition to Hospitals — Chicago Professional Colleges.....	8 300 000
2. Aeronautical Engineering Building, First stage.....	600 000
3. Biology Building, Entomology section.....	1 600 000
4. Central Receiving Station.....	260 000
5. Civil Engineering Building.....	4 000 000
6. East Chemistry Addition.....	4 100 000
7. Fine and Applied Arts Addition, City Planning and Landscape Architecture, or Fine and Applied Arts Library.....	580 000
8. Fire Station, South.....	120 000
9. Physical Plant, Administrative Offices.....	520 000
10. Remodeling, Rehabilitation, and Minor Additions — Chicago Professional Colleges.....	470 000
11. Remodeling, Rehabilitation, and Minor Additions — Urbana-Champaign.....	1 500 000
12. Relocation of South Garage and Motor Pool.....	240 000
13. University Press Addition.....	310 000
14. Veterinary Medicine, Completion of Small and Large Animal Clinic.....	740 000
15. Women's Physical Education Addition.....	1 400 000
	(24 740 000)
III. <i>Utilities Distribution and Power Plant</i>	
Urbana-Champaign.....	5 000 000

IV. *Land and Planning*

Land Acquisition	
Urbana-Champaign.....	1 000 000
Chicago Professional Colleges.....	(750 000) ¹
Plans and Specifications	
Urbana-Champaign.....	500 000
	(1 500 000)

V. *Protection of Life and Property, and Public and Street Improvements*

Life and Property	
Urbana-Champaign.....	400 000
Public and Street Improvements	
Urbana-Champaign.....	700 000
	(1 100 000)

VI. *Funds to Supplement Outside Grants*

Urbana-Champaign.....	900 000
Chicago Professional Colleges.....	100 000
	(1 000 000)
<i>Grand Total</i>	\$68 327 000

Summary by Campus

Urbana-Champaign.....	\$24 470 000
Chicago Professional Colleges.....	8 870 000
Chicago Undergraduate Division.....	35 000 000
<i>Grand Total</i>	\$68 340 000

TABLE IV

Preliminary Estimate of Capital Needs 1963-69

The facilities and capital requirements listed here will be needed during the period 1963-69. All projects are subject to continuing study. Substitutions and refinements of this list will occur as the needs change during the next ten years. The cost estimates are based on assumed 1959 levels. Projects are listed alphabetically.

<i>Project</i>	<i>Estimated Cost</i>
1. Chicago Undergraduate Division.....	\$5 000 000 ²
2. Drug and Horticultural Building — Chicago Professional Colleges.....	440 000
3. East Dentistry-Medicine-Pharmacy Building Completion — Chicago Professional Colleges.....	4 770 000
4. Electrical Distribution Additions — Chicago Professional Colleges.....	100 000
5. Gymnasium-Auditorium — Chicago Professional Colleges.....	1 400 000
6. Hospital Addition — Chicago Professional Colleges.....	600 000
7. Libraries Additions — Urbana-Champaign.....	4 950 000
8. Medical Research Laboratory Completion — Chicago Professional Colleges.....	2 000 000
9. Medical Sciences Laboratory Addition — Chicago Professional Colleges.....	2 000 000
10. Remodeling, Rehabilitation, Additions, Minor Structures, and Fire Protection — Urbana-Champaign.....	4 545 000
11. Remodeling and Minor Additions — Chicago Professional Colleges.....	5 370 000
12. Street and Public Improvements — Chicago Professional Colleges.....	300 000
13. Teaching and Research Facilities — Urbana-Champaign.....	36 270 000
14. Utilities Distribution, Power Plant Additions, Street and Public Improvements, Extensions of Other Basic Services, Land Acquisition and Planning — Urbana-Champaign.....	7 570 000
<i>Grand Total</i>	\$75 315 000
<i>Summary by Campus</i>	
Urbana-Champaign.....	\$53 335 000
Chicago Professional Colleges.....	16 980 000
Chicago Undergraduate Division.....	5 000 000 ¹
<i>Grand Total</i>	\$75 315 000

¹To be provided through appropriations to the Medical Center Commission.²Additional funds will be required when the enrollment exceeds 6,000 students, some of whom may be juniors and seniors.

APPENDIX

Planning Assumptions

URBANA-CHAMPAIGN CAMPUS

1. Although the enrollment for 1969 has been estimated by the Bureau of Institutional Research for 33,500, it is proposed at this time that permanent academic facilities be planned for 30,000.
2. Planning will assume continued plant growth after 1969.
3. Planning will allow for the possibility of a change in the ratio of freshmen and sophomores to juniors, seniors, and graduate students.
4. The housing program will continue to be financed through income. However, it is assumed that capital appropriations will include funds to provide land and the utility extensions.
5. The recommended program is based on reduced standards for space.
6. Planned utilization of space will be higher than at present.
7. A total area of approximately 230 gross square feet per student (exclusive of housing, Union Building, etc.), will be the base of estimates.
8. Construction costs will be estimated at the 1959 level which assumes an increase of $4\frac{1}{2}$ per cent per year over the 1957 unit cost estimates.
9. Generally speaking, land acquisition and building planning must be completed the biennium preceding the two years used for construction. This requires that priority decisions for construction be made four years in advance.

CHICAGO PROFESSIONAL COLLEGES

1. Land acquisition will continue to be financed from appropriations to the Medical Center Commission.
2. The following projects will be financed on a self-supporting basis: Laundry; Medical Center Steam Plant; Addition to the Chicago Illini Union; Housing.
3. In general, the need for a proposed program results from:
 - a. Changes in operational needs and patient-care concepts in hospitals.
 - b. Changes in the basic concepts of medical education.
 - c. Growth in enrollment, intensification of research, and improvement in service.
 - d. Obsolete condition of buildings. The original structures were obtained in a transfer to the University from the State Department of Public Welfare. The buildings were originally constructed for welfare use and were ill-suited for modern medical and dental college use. Subsequent remodeling has improved materially the facilities, but much remains to be done. The plans proposed represent a really thoughtful study of what is needed to produce the facilities for a first-rate group of Colleges of Medicine, Dentistry, Pharmacy, and Nursing.
4. The space estimates are based on the same standards and reductions as are in effect at Urbana-Champaign.
5. The program is based on vertical planning for the hospital and the clinic facilities, for the following reasons:
 - a. It improves the ability to provide ancillary services closer to the patient.
 - b. It improves operating economies. (Operating costs are more significant than capital costs due to the fact that the operation and maintenance costs equal the capital cost over a two- to four-year period.)
 - c. In earlier periods, patients were isolated in separate buildings according to their illness. This is no longer considered sound-planning principles, because the treatment of the illness requires more than one specialty of service. Furthermore, for teaching purposes, the segregation of such illnesses is not considered wise.
 - d. The land area available for construction within the Medical Center is highly restricted.
6. The proposed planning and development results in approaching the maximum construction that can be anticipated within the immediate physical area.
7. Clinical facilities in the Medical Center District will be available to the University of Illinois supplementing those of the Research and Education Hospitals.

CHICAGO UNDERGRADUATE DIVISION

The University has employed the Real Estate Research Corporation to recheck sites previously considered for the relocation of the Chicago Undergraduate Division and to analyze additional sites which have been recently proposed.

The principal criteria which are being applied to the various sites are as follows:

1. Criteria Stated as *Minimum Standards Which Must Be Met By All Sites.*

a. Accessibility:

- (1) By public transportation, with a maximum travel time of one hour and a maximum fare (at present fare levels) of 57½ cents for a one-way trip, from the homes of at least 50 per cent of the student potential residing in Cook and DuPage Counties.
- (2) Either by public transportation as stated above, or by private automobile with a maximum driving time of forty-five minutes, from the homes of at least 85 per cent of the student potential residing in Cook and DuPage Counties.

b. Availability:

The site must be available on a schedule which permits beginning of construction by July, 1960, and the complete operation of the first stage (6,000 students) by the fall of 1963; and also the balance of the site available by 1965 for construction of those buildings needed for the second stage.

2. General Criteria (for application to sites meeting minimum standards).

a. Expansibility:

Sites with areas above minimum requirements, or with feasible possibilities of expansion, are to be preferred over sites lacking these qualities.

b. Cost:

Sites with low costs are to be preferred to sites with high costs. Such costs include:

- (1) Acquisition cost of the land.
- (2) Development cost of the site.
- (3) The possibility of building low-rise, low-density structures as opposed to higher cost, high-rise buildings.

c. Environment:

Sites adjacent to environmental factors which would assist the educational mission of the campus are to be preferred over sites with neutral or unfavorable environmental surroundings. Environmental factors to be evaluated for specific sites include:

- (1) General environment, particularly as to land use, physical condition, identification, prestige, and safety.
- (2) Adjacency to cultural or other facilities which could be used by the University.
- (3) Proximity to areas of superior opportunities for desirable faculty housing, and of potential employment for students.

The first stage of this program will provide permanent space approximating 1,000,000 square feet, which will accommodate 6,000 students in a two-year program. It will also provide the facilities and the opportunity to start a four-year program in certain curricula. It is estimated that this phase of the program will cost approximately \$50,000,000, but the cost will vary with the site finally selected. The studies being conducted by the Real Estate Research Corporation will be completed in September, 1958. Funds will be requested in the 1959-61 biennium to complete site acquisition, architectural and engineering studies in order to start construction in 1960. This schedule will result in completion of construction on the first phase of the program, i.e., for 6,000 students in a two-year curricula, by the fall of 1963.

Planning for the second stage of this program is for an enrollment of 15,000 in a four-year program by 1969.

Analyses of Building Projects Recommended for the 1959-61 Biennium

CHICAGO UNDERGRADUATE DIVISION

The amounts requested in 1959-61 will permit the construction program to get into full operation so that the major construction planned for the subsequent biennium can be accomplished.

Site preparation, utilities distribution, and streets and walks location can be started as soon as a cleared site is available. Also, construction may be started on certain buildings — if building plans and specifications have been pushed forward.

The requests for 1959-61 are for:

Land acquisition.....\$ 3 500 000¹

¹ Subject to adjustment after site has been selected.

Plans and specifications.....	1 000 000
Site preparation and start of construction.....	3 500 000
<i>Total</i>	<u>\$10 000 000</u>

CHICAGO PROFESSIONAL COLLEGES

To achieve the best results in education for the health professions and in patient care, a high degree of utilization of many functions is necessary. In terms of the existing facilities of the Chicago Professional Colleges and its educational programs now in progress, a high concentration of buildings has been found to be advantageous. This has been the experience in other like institutions. Such concentration promotes cohesion between basic scientists and the clinicians, between teaching, research and patient care, and among all the disciples involved in the health sciences.

The building and remodeling program is believed to be sound in principle and logical in sequence. The analysis of needs for these colleges has been based on the revised University standards for offices, laboratories and classrooms. The program has also been based on the changing character of the faculties of Colleges of Medicine and Dentistry where the trend has been toward full-time teachers being added to the staffs. Maintenance of such a staff is only possible through the provision of adequate office, research and patient care facilities.

Construction of a Medical Sciences Addition to the Dentistry-Medicine-Pharmacy Building, First Unit

Appropriation — \$3,400,000

Such construction will accomplish the following:

1. Provide the space required to meet the existing deficiencies in the Departments of Anatomy, Biochemistry, Microbiology, Pharmacology, Pathology, and Physiology of the College of Medicine. It will also provide limited areas for growth and development in these departments in proportion to their educational responsibilities.
2. It will permit:
 - a. Relocation of the teaching laboratories for the Departments of Microbiology and of Pathology.
 - b. Relocation of the Aeromedical and Physical Environment Laboratory, thus vacating an area which will provide for hospital development.
3. Vacate space (approximately 10,000 square feet) in the Dentistry-Medicine-Pharmacy Building, Second Unit, which will meet the existing deficiencies of the College of Dentistry.

Completion of First Phase of the Medical Research Laboratories

Appropriation — \$415,000

The funds available for construction of the first unit of this building during the 1957-59 biennium are inadequate to provide major items of equipment. The above amount is required for this equipment.

Purchase of Physical Plant Service Building

Appropriation — \$300,000

For several years there has been the prospect that the needs of the Physical Plant Department of the Chicago Professional Colleges might be met by the acquisition of a building in the University's area of the Medical Center District. The Chicago Board of Education owns a building meeting these requirements. The University has been informed that the Board of Education plans to vacate the building about June, 1959, and has indicated its willingness to sell this building to the University. This provides an early means of resolving the long-standing deficiency of facilities for the basic service department. Funds for remodeling the building are included in Schedule B of this report.

The other requests for the Chicago Professional Colleges have been detailed elsewhere in this report. They are added here to tabulate the total as follows:

Remodeling, Rehabilitation, and Minor Additions (Schedule B).....	\$1 909 000
Utilities Distribution.....	200 000
Plans and Specifications.....	200 000
Protection of Life and Property.....	200 000
Funds to Supplement Outside Grants.....	100 000
<i>Total</i>	<u>\$6 724 000</u>

URBANA-CHAMPAIGN

Completion of First Stage of Physics Building

Appropriation — \$280,000

In view of the fact that movable equipment would not be purchased and could not be used in the building until near the end of the biennium when construction work is nearing completion, it seemed to the best interests of the University to defer the request for equipment allocations to the second stage, thus leaving the greatest possible sum for actual building construction of the first stage.

Completion of First Stage of Fine and Applied Arts Building

Appropriation — \$250,000

In view of the fact that movable equipment would not be purchased and could not be used in the building until near the end of the biennium when construction work is nearing completion, it seemed to the best interests of the University to defer the request for equipment allocations to the second stage, thus leaving the greatest possible sum for actual building construction of the first stage.

*College of Education Building*1. *Size* — 57,000 net square feet; 95,000 gross square feet

	<i>Net Sq. Ft.</i>
2. <i>Space</i>	
a. Present assigned space (excluding University High School)	35,413
b. Estimated deficiency for present program	16,600
c. Estimate of total additional space required through 1969 (includes 'b' above)	30,202
d. Space to be vacated upon completion of project	

<i>Location</i>	<i>Net Sq. Ft.</i>	<i>Proposed Reassignment</i>
Gregory Hall	8,642	College of Liberal Arts and Sciences
1007 S. Wright	2,632	School of Social Work
1007½ S. Wright	1,417	Institute of Government and Public Affairs
1116 W. Illinois	690	Razed to provide sites for future construction
1208 W. Springfield	2,212	
1003 W. Nevada	2,140	
1001 W. Nevada	2,111	
P.G.U.'s (E.L.S.)	8,578	
	28,422	

3. *Statement of Relative Urgency*

Excerpts from the College's statement of relative urgency. Gross space shortage, inadequacy of present facilities, extreme dispersion of staff and the high percentage of temporary space combine to make the College's request an urgent one. Based on the original standards of the Building Program Committee, there is a deficit of approximately 23,300 square feet not including the space for Industrial Education and University High School. Over half of the College's existing space is in temporary-type facilities. One-fourth of the space is in the Parade Ground units which should be removed to complete the site development for the Men's Residence Halls. The College facilities are in twenty buildings dispersed from Springfield Avenue to Peabody Drive and from Lincoln Avenue to Fourth Street. The average square feet of office per staff member is approximately 74 net square feet with many staff members in offices of no more than 60 square feet.

*College of Commerce Building*1. *Size* — 53,000 net square feet; 88,000 gross square feet

	<i>Net Sq. Ft.</i>
2. <i>Space</i>	
a. Present assigned space	24,614
b. Estimated deficiency for present program	23,200
c. Estimate of total additional space required through 1969 (includes 'b' above)	47,148
d. Space to be vacated upon completion of project	

<i>Location</i>	<i>Net Sq. Ft.</i>	<i>Proposed Reassignment</i>
Commerce-F.A.A. Annex	2,161	Razed to provide sites for future construction
Sixth Street Building	171	
1007 W. Nevada	1,620	
514 E. Chalmers (duplex)	1,848	Razed to provide off-street parking facilities

3. *Excerpts from the College's Statement of Relative Urgency*

- a. If the College of Commerce and Business Administration is to maintain and improve its position in education for business it must have more space and more suitable facilities immediately. David Kinley Hall was constructed thirty years ago at a time when education for business was at a considerably different level and character than is true today. It has become increasingly difficult to keep present programs and activities up to date and it has been impossible, because of lack of facilities, to initiate new programs which should be offered by a well-balanced College of Commerce.
- b. It is estimated that next to the College of Education, the College of Commerce and Business Administration is the most crowded for their present program. The average net square feet of office space per staff member is as low as 86 net square feet with many of the staff in offices of less than 25 square feet. During the past year it has been necessary to further disperse the College by assignment and remodeling one new property and relocating the Bureau of Community Planning in temporary quarters to release space in David Kinley Hall. The College has also asked the College of Journalism and Communications to vacate space in the Commerce-Fine and Applied Arts Annex to provide office facilities for their staff next fall.

Completion of Physics Building

1. *Size* — 59,000 net square feet; 98,200 gross square feet

2. <i>Space</i>	<i>Net Sq. Ft.</i>
a. Present assigned space.....	90,645
Space under construction (some of this present space will be vacated upon completion of the space under construction).....	45,000
b. Estimated deficiency for present program.....	none
c. Estimate of total additional space required through 1969 (includes 'b' above).....	59,000
d. Space to be vacated upon completion of project	

<i>Location</i>	<i>Net Sq. Ft.</i>	<i>Proposed Reassignment</i>
Physics Building	53,561	Six departments of the College of Engineering will obtain some relief. The Department of Mining and Metallurgical Engineering will obtain major relief.

3. *Statement of Relative Urgency*

The space presently under construction in the first stage of the new Physics Building will not provide the Department with sufficient facilities to allow the complete vacation of the old Physics Building. It will be necessary for the Department to continue the use of the lecture rooms and a large portion of the research space in that building.

The completion of the second stage of the new Physics Building will allow the reassignment of the old building and eliminate the necessity for construction during the ten-year period of an addition to the Transportation Building for General Engineering, space for the Department of Mining and Metallurgical Engineering, and give indirect relief to the Departments of Mechanical and Aeronautical Engineering.

The plans for the second stage are completed and can be released for bids without delay. This is in accordance with the plans for increasing the construction capacity at Urbana-Champaign.

Seventh Addition to Library — Urbana-Champaign

Library space needs are of four kinds: accommodations for readers, book storage, work room for library staff, and space for instruction. A stack addition would meet the book storage function. The proposed wing would provide urgently needed reading rooms, faculty studies, space for technical activities (acquisitions, book binding, cataloging, and photographic reproduction), and Library School classrooms.

The Library now circulates approximately 1,000,000 books and acquires 100,000 volumes annually. No additions to reading room or study space for faculty and students or work rooms for the staff have been made since 1929 when 11,465 students were registered, and the staff numbered 91 instead of the present 246. The stack addition currently under construction was designed for a maximum capacity of 500,000 volumes. It does not provide the other facilities listed and which were requested last biennium.

The rapid growth, quantitatively and qualitatively, of the University of Illinois Library is a remarkable phenomenon. Here is the third largest university library in America, and probably in the world. The Library is one of the strongest bonds, holding an outstanding faculty to the University, and is an important influence in attracting top-notch graduate and professional students. No university can be truly great without a great library, and Illinois' reputation is based in no small degree upon the possession of such a library. Furthermore, a library is never finished, for a library that has stopped growing is dead, and soon loses much of its interest and value for the scholar. Under today's conditions, it is inconceivable that scholars could be developed and trained and carry on their work without access to libraries. Even those subject fields which depend primarily on laboratories must support strong libraries in order to avoid repetition of effort and to serve as points of departure for new scientific advances. It may be fairly stated that an adequate library is not only the basis of all teaching and study, but is an essential condition for research, without which additions are unlikely to be made to the sum of human knowledge.

To assure that the University of Illinois Library will continue to hold its outstanding position of leadership among the world's university libraries and make its maximum contribution to the University community, the Building Program Committee recommends highest priority for the proposed addition.

Completion of the Art Building (Department of Art)

1. *Size* — 12,000 net square feet; 20,000 gross square feet

	<i>Net Sq. Ft.</i>
2. <i>Space</i>	
a. Present assigned space.....	38,116
Space under construction.....	46,303
Space to be vacated upon completion of the first stage.....	13,332
Total of present assigned space.....	71,087
b. Estimated deficiency for present program (if all the Department existing space is retained there will be no shortage for present program)	
c. Estimate of total additional space required through 1969 (includes 'b' above).....	36,953
d. Space to be vacated upon completion of project	

<i>Location</i>	<i>Net Sq. Ft.</i>	<i>Proposed Reassignment</i>
Survey Building	2,454	Razed to provide sites for new construction
Sixth Street Building	6,195	
505 S. Goodwin	1,482	
1009 W. Nevada	3,473	
1110 W. Illinois	3,920	
Civil Engineering Hall	3,890	College of Engineering
Lincoln Hall	1,339	College of Liberal Arts and Sciences
David Kinley Hall	2,031	College of Commerce and Business Administration

3. *Statement of Relative Urgency*

a. Projects within the College in the order of priority as submitted by the College, 1957.

<i>Project</i>	<i>Order of Priority</i>
Architecture	1
Art	2
Music	3
Small Homes Council	4
City Planning and Landscape Architecture	5
University Bands	6

b. Excerpts from the College's statement of relative urgency. The Department has been forced to limit enrollment of freshmen and of graduate students in painting and graphics. It has not been able to add needed sections in several service courses. The number of students in sections has increased far beyond the point where proper education procedures can be maintained.

There is great need for more studio space for present staff members. Only a quarter of the staff have such space. This will be an increasingly difficult situation in attracting new staff members.

c. The space included in the first stage of the Art Building is not sufficient to allow the vacation of any of the Department's existing space except 13,332

net square feet in the Architecture Building. However, it will allow the correction of the deficiencies mentioned in 'b' above and eliminate the necessity of night classes.

The completion of the second stage of the Art Building will allow the consolidation of the Department's facilities which are at present scattered in eight different buildings, and will release space urgently needed in Civil Engineering Hall, Lincoln Hall, and David Kinley Hall.

Second Unit of Biology Building (Department of Zoology)

1. *Size* — 58,000 net square feet; 97,000 gross square feet

	<i>Net Sq. Ft.</i>
2. <i>Space</i>	
a. Present assigned space.....	32,906
b. Estimated deficiency for present program.....	3,500
c. Estimate of total additional space required through 1969 (includes 'b' above).....	16,917
d. Space to be vacated upon completion of project	

<i>Location</i>	<i>Net Sq. Ft.</i>	<i>Proposed Reassignment</i>
Natural History Building	16,287	College of Liberal Arts and Sciences, Botany

3. *Statement of Relative Urgency*

The needs of laboratory sciences are the most urgent and some are dangerously critical. If we assume new buildings for (1) College of Education (space then becomes available for Psychology) and (2) Plant Sciences and the remaining Agricultural space in Davenport Hall (this space assigned to Geology), Liberal Arts and Sciences needs these new buildings:

- (1) Completion of Biology Building
(2) Chemistry Building

The other needs can be cared for in reassigned space in (1) Davenport Hall (for Geology), (2) Gregory Hall, (3) West Noyes Laboratory, and (4) Natural History Building.

- a. The completion of the Plant Science first unit for Agronomy will vacate space in Davenport Hall which has been assigned to the Geology Department, the Liberal Arts and Sciences number one priority.
b. Planning for Chemistry has been proposed and funds are requested which will enable the proposals for the Liberal Arts and Sciences number two priority in the 1961-63 biennium.
c. Botany — Liberal Arts and Sciences number three priority will be provided for in the Natural History Building upon completion of the second unit of the Biology Building.

Physical Plant Service Building

1. *Size* — 92,327 net square feet; 131,896 gross square feet

	<i>Net Sq. Ft.</i>
2. <i>Space</i>	
a. Present assigned space.....	151,078
b. Estimated deficiency for present needs.....	(1)
c. Estimate of total additional space required through 1969.....	23,090
d. Space to be vacated upon completion of project	

<i>Location</i>	<i>Net Sq. Ft.</i>	<i>Proposed Reassignment</i>
Agronomy Storehouse	9,066	Razed
Fire Station and Garage	6,920	Razed
Transportation Building	9,976	General Engineering
Woodshop and Foundry	10,200	Mechanical Engineering and Industrial Education
Furniture Warehouse	2,320	Razed
Garage and Shops, North	19,936	Razed
Physical Plant Service Building Annex	821	Razed
Paint, Key, and Shade Shop	3,328	Razed
Warehouse Annex	7,821	Razed
Warehouse No. 1	14,391	Razed
Warehouse No. 2	7,693	Razed
Mechanical Engineering Laboratory	2,805	Mechanical Engineering and Physical Environment Unit
Engineering Research Laboratory	1,485	Control Systems Laboratory
Small Homes Council Research Office	48	Razed

¹ Present assigned space would be adequate if consolidated in one location.

3. *Statement of Relative Urgency*

Physical Plant service facilities of new and modern construction are urgently needed to replace the present inadequate, widely scattered, and poorly located areas now in use. The replacement of these facilities is urgently needed to reduce operation and maintenance costs, to provide adequate working space to meet service requirements of present and proposed buildings, to eliminate present potential fire and physical hazards to life and property, and to enable the University to maintain a standard equal to that required of private industry by state law. Service facilities are now inadequately housed in sixteen buildings, or portions thereof, in congested and widely-separated areas. There are seven shops located in five different buildings which, by reason of their potential fire, safety, and health hazards, poorly arranged and limited work area, physical obsolescence, and lack of proper storage, locker, toilet, and washroom facilities, should be removed to a new location at the earliest possible time. Four of these shops are located in frame buildings not suitable for shop use. The remaining shops and stores and the administrative offices occupy space that can be converted for other uses.

The present facilities are a leading cause for delays and increased cost of all Physical Plant services. This results in nonproductive time of all employees for travel to and from shops and offices; the duplication of equipment, records, and, in some instances, personnel; the rehandling of materials and supplies makes close supervision extremely difficult and costly. The absence of safe and secure storage and yard space results in damage to and loss and theft of materials and supplies, and in the rapid deterioration of expensive equipment through exposure to the elements. The present facilities can not be expanded to meet the requirements and work load resulting from the construction of new buildings and the general expansion of University programs.

It is estimated that the anticipated economies in operation and maintenance expenditures, resulting from the provision of new facilities, will produce an annual saving of \$75,000 to \$100,000 or perhaps more. In other words, in from ten to twelve years such savings should nearly liquidate the state's investment in new and modern facilities designed to adequately serve the needs of the University.

Addition to Electrical Engineering Building (Department of Electrical Engineering)

1. *Size* — 36,600 net square feet; 66,000 gross square feet
2. *Space*

	<i>Net Sq. Ft.</i>
a. Present assigned space.....	97,212
b. Estimated deficiency for present program.....	8,000
c. Estimate of total additional space required through 1969 (includes 'b' above).....	35,957
d. Space to be vacated upon completion of project.....	none

3. *Statement of Relative Urgency*

The completion of this project will provide a maximum amount of additional usable space directly adjacent to the Department's existing facilities. The foundation and structure were originally designed with the proposed addition in mind, and will not require the use of additional land in the area. However, the space provided will not be sufficient to allow the vacation of any of the existing facilities presently used by the Department.

First Unit of Plant Science Building (Department of Agronomy)

1. *Size* — Building—64,000 net square feet; 104,000 gross square feet
Greenhouses—21,550 gross square feet
2. *Space*

	<i>Net Sq. Ft.</i>
a. Present assigned space (excluding greenhouses and farm buildings)...	44,057
b. Estimated deficiency for present program.....	7,500
c. Estimate of additional space required through 1969 (includes 'b' above).....	19,124
d. Space to be vacated upon completion of this project	

	<i>Net Sq. Ft.</i>	<i>Proposed Reassignment</i>
Davenport Hall	44,057	Geology

3. *Statement of Urgency of Need*

Because of the central location of Davenport Hall, its ultimate use is required for the College of Liberal Arts and Sciences. The space that can be vacated by construction for Agronomy will relieve the immediate need to construct space for Geology, the most pressing need in the College of Liberal Arts and Sciences.

*Addition to Smith Music Hall (School of Music)*1. *Size* — 21,700 net square feet; 38,400 gross square feet

	<i>Net Sq. Ft.</i>
2. <i>Space</i>	
a. Present assigned space.....	26,480
b. Estimated deficiency for present program.....	11,500
c. Estimate of total additional space required through 1969 (includes 'b' above).....	36,188
d. Space to be vacated upon completion of project.....	none

3. *Statement of Urgency of Need*

a. In order to meet the standards of the National Association of Schools of Music, 125 practice rooms would be required for the present enrollment. There are 69 available for this purpose. At present, 61 office-studios are used by 81 staff members for instruction in applied music. Ten additional spaces of this kind are urgently needed. Seventy per cent of the total program is carried on in temporary facilities not designed for this purpose.

b. The School of Music has 16 practice rooms (2,800 net square feet) and 15 office-studios (2,398 net square feet) in the properties at 606, 606½, and 608 South Mathews Avenue. It will be necessary to relocate these activities when an addition to the East Chemistry Building is constructed, if located as suggested by that Department.

The net square feet included in the proposed addition to Smith Music Hall is sufficient to enable the School of Music to meet the standards for practice rooms and office-studios, replace the facilities lost if the above-mentioned properties are razed, and provide expansion for their inadequate library facilities.

ROSTER, UNIVERSITY BUILDING PROGRAM COMMITTEE 1957-59

- G. A. BENNETT, Dean, College of Medicine, Chicago Professional Colleges
 B. L. DODDS, Dean, College of Education
 P. M. GREEN, Dean, College of Commerce and Business Administration
 R. P. HACKETT, Associate Dean of Commerce, Chicago Undergraduate Division
 T. S. HAMILTON, Associate Director, Agricultural Experiment Station
 C. S. HAVENS, Director, Physical Plant
 R. E. TERRY, Professor of Pharmacy, Chicago Professional Colleges
 A. S. WELLER, Dean, College of Fine and Applied Arts
 G. W. WHITE, Head, Department of Geology
 N. A. PARKER, Chairman; Head, Department of Mechanical Engineering
 J. V. EDSALL, Secretary; Research Specialist in charge of Space Planning Office
 E. L. STOFFER, University Architect
 W. C. HUNTINGTON, Consultant on Building Program; Professor of Civil Engineering, *Emeritus*
 A. M. RICHARDSON, Consultant on Campus Planning; A. M. Richardson and Associates
 J. E. BAERWALD, Consultant on Traffic and Parking; Associate Professor of Traffic Engineering