

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**July 26, 1960**



The July meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Tuesday, July 26, 1960, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Richard A. Harewood, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson, Mr. Howard W. Clement, Mr. Wirt Herrick, and Governor William G. Stratton were absent.

Also present were President David D. Henry, Vice-President and Provost Lyle H. Lanier, Dr. Joseph S. Begando, Assistant to the President and Acting 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. C. E. Flynn, Director of Public Information, Dr. Edward F. Lis, Director of the Division of Services for Crippled Children, Associate Dean Gibbon Butler of the College of Liberal Arts and Sciences; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on February 24, March 16, and April 20, 1960, press proof copies of which had previously been sent to the Board.

On motion of Mr. Johnston, the minutes were approved as printed on pages 1161 to 1274, 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.

**APPOINTMENT OF DEAN OF THE COLLEGE OF EDUCATION**

(1) Following the death last year of Dean B. L. Dodds of the College of Education, a search committee was appointed to make recommendations for the deanship of the College. In the meantime, Professor Charles M. Allen, Coordinator of the Council on Teacher Education and Associate Dean of the College, has been serving as Acting Dean.

The Committee is not prepared to recommend a continuing appointment at this time and prefers to suggest for a two-year term a nationally known and experienced administrator who is near retirement. This arrangement will make possible the handling of the immediate business of the College with dispatch and confidence and the initiation of preliminary steps in long-range planning, pending the renewal of the search for a long-term appointee.

Accordingly, on recommendation of the search committee and after consultation with the Executive Committee of the College, the Vice-President and Provost, and the Dean of the Graduate College, I recommend the appointment of Dr. Alonzo G. Grace, presently Associate Dean of the School of Education of New York University, as Dean of the College of Education for two years from September 1, 1960, at a salary of \$22,000 a year (of which \$2,000 represents additional compensation to be paid in lieu of his participation in the University Retirement System of Illinois) on "Y" basis.

Dr. Grace was scheduled to retire from New York University in August, 1961, at age sixty-five. The appointment here will prolong his professional service in a position of leadership and importance to higher education as well as to the University of Illinois.

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

**ACTING VICE-PRESIDENT IN CHARGE OF THE CHICAGO PROFESSIONAL COLLEGES**

(2) Pending a permanent appointment to the position of Vice-President in charge of the Chicago Professional Colleges, Joseph S. Begando, Assistant to the President, has been designated to serve as Acting Vice-President in Chicago effective as of June 20, 1960, and continuing until further notice.

Official confirmation is requested.

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

**HEADSHIP OF DEPARTMENT OF PHYSIOLOGY**

(3) Professor Robert E. Johnson, Head of the Department of Physiology in the College of Liberal Arts and Sciences, has asked to be relieved of the headship of the Department in order that he may devote more time to his work as Director of the University Honors Program. It is recommended that his request be granted.

A search committee on the headship of the Department and the Dean of the College of Liberal Arts and Sciences recommend the appointment of Professor C. Ladd Prosser, a member of the Department faculty for many years, as Head of the Department of Physiology beginning September 1, 1960, at an annual salary of \$15,000.

This recommendation has been made after consultation with all members of the Department of professorial rank, the Executive Committee of the School of Life Sciences, and the Executive Committee of the College, all groups en-

thusiastically concurring in the nomination. The Vice-President and Provost and the Dean of the Graduate College also concur.

I recommend approval.

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

#### HEADSHIP OF DEPARTMENT OF MICROBIOLOGY

(4) The Director of the School of Life Sciences and the Dean of the College of Liberal Arts and Sciences recommend the appointment of Kimball Chase Atwood, presently Associate Professor of Medical Genetics at the University of Chicago, as Professor of Microbiology on indefinite tenure and Head of the Department of Microbiology beginning August 1, 1960, at an annual salary of \$18,000 on "A" basis. This appointment is to fill the vacancy created by the appointment of Professor H. O. Halvorson, former Head of the Department, as Director of the School of Life Sciences.

The members of the Department of professorial rank and the Executive Committee of the School have been consulted. The Vice-President and Provost and the Dean of the Graduate College concur.

I recommend approval.

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

#### APPOINTMENT OF ASSISTANT TO DEAN OF ADMISSIONS AND RECORDS

(5) On recommendation of the Dean of Admissions and Records, I have approved the appointment of Frank A. Bridgewater, presently Director of the Division of Special Services for War Veterans, as Assistant to the Dean of Admissions and Records for one year from September 1, 1960, at a salary of \$11,000 on "Y" basis.

On motion of Mr. Swain this appointment was confirmed.

#### APPOINTMENTS TO THE FACULTY

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

1. ERIC BAER, Assistant Professor of Chemical Engineering, beginning September 1, 1960, at an annual salary of \$6,800 (B).
2. WILLIAM BERKOW, Assistant Professor of General Engineering, beginning September 1, 1960, at an annual salary of \$7,000 (B).
3. MARTIN I. BLAKE, Associate Professor of Pharmacy, beginning September 1, 1960, at an annual salary of \$11,000 (AY).
4. EDWARD M. BRUNER, Associate Professor of Anthropology, beginning September 1, 1961, at an annual salary of \$9,000 (A).
5. MORTON KREMEN BRUSSEL, Research Assistant Professor of Physics, beginning June 10, 1960, at an annual salary of \$9,000 (DY).
6. JACQUES COLLIN, Assistant Professor of Architecture, beginning September 1, 1960, at an annual salary of \$7,500 (D).
7. NORMAN DAVENPORT DAY, Assistant Professor of Architecture, beginning September 1, 1960, at an annual salary of \$7,000 (D).
8. THEODORE DELEVORYAS, Associate Professor of Botany, for two months from July 1, 1960, at a salary of \$1,933 (G); and beginning September 1, 1960, at an annual salary of \$8,700 (B).
9. PIERRE DEMARQUE, Assistant Professor of Astronomy, beginning September 1, 1960, at an annual salary of \$7,500 (B).
10. ELIZABETH Y. DERAN, Research Assistant Professor in the Bureau of Economic and Business Research, beginning September 1, 1960, at an annual salary of \$7,800 (DY).
11. JOHN JAMES DESMOND, Assistant Director of the Coordinated Science Laboratory, beginning September 1, 1960, at an annual salary of \$13,000 (DY).
12. CLARA DODSON, Assistant Professor of Home Furnishings, in Home Economics Extension, beginning July 1, 1960, at an annual salary of \$7,350 (DY).
13. HARRY M. DOUTY, Visiting Professor of Labor and Industrial Relations, for the second semester of 1960-61, at a salary of \$6,500 (E).

14. WILLIAM ENG, Assistant Professor of Architecture, beginning September 1, 1960, at an annual salary of \$9,000 (D).
15. ALICE MARCELLA FAY, Assistant Professor of Nursing, beginning May 1, 1960, at an annual salary of \$8,544 (DY).
16. MARK G. FIELD, Associate Professor of Sociology, beginning September 1, 1960, at an annual salary of \$13,000 (A); on leave of absence without pay during the academic year 1960-61.
17. ROBERT W. GERSTNER, Assistant Professor of Engineering, Chicago Undergraduate Division, beginning September 1, 1960, at an annual salary of \$7,600 (D).
18. SAMUEL IRVING GOLDBERG, Visiting Associate Professor of Mathematics, beginning September 1, 1960, at an annual salary of \$9,500 (D).
19. LOWELL PAUL HAGER, Assistant Professor of Biochemistry, beginning September 1, 1960, at an annual salary of \$9,000 (B).
20. LOUIS CHARLES HEBEL, JR., Visiting Assistant Professor of Physics, for the second semester of 1960-61, without salary (G).
21. KURT KLEIN, Assistant Professor of Russian, beginning September 1, 1960, at an annual salary of \$7,500 (B).
22. MERLE KLING, Visiting Professor of Political Science, for the second semester of 1960-61, at a salary of \$5,500 (E).
23. NORMAN KREITZMANN, Visiting Assistant Professor of Philosophy, for the academic year 1960-61, at a salary of \$7,000 (E).
24. BERNARD LAZERWITZ, Assistant Professor of Sociology, beginning September 1, 1960, at an annual salary of \$8,100 (D).
25. KRUNOSLAV LJOLJE, Research Assistant Professor of Physics, beginning September 1, 1960, at an annual salary of \$7,500 (DY).
26. BORIS MARGO, Visiting Professor of Art, for the first semester of 1960-61, at a salary of \$5,000 (G).
27. JOHN W. METZGER, Assistant Dean and Assistant Professor, College of Law, beginning September 1, 1960, at an annual salary of \$10,800 (DY50; DY50).
28. MARCOS MORIÑIGO, Visiting Professor of Spanish, for the academic year 1960-61, at a salary of \$10,000 (E).
29. ELWOOD OLVER, Associate Professor of Agricultural Engineering, beginning September 1, 1960, at an annual salary of \$10,000 (AY).
30. MELVIN GODFREY PARSONS, JR., Assistant Professor in the Bureau of Business Management, beginning August 1, 1960, at an annual salary of \$8,600 (BY).
31. HUBERT E. RISSE, Professor of Mineral Economics, in the Department of Mining and Metallurgical Engineering, on one-tenth time, beginning September 1, 1960, at an annual salary of \$1,200 (A10).
32. GUENTHER ROTH, Assistant Professor of Sociology, beginning September 1, 1960, at an annual salary of \$7,000 (D).
33. MARTIN P. SCHULMAN, Associate Professor of Pharmacology, in the College of Medicine, beginning September 1, 1960, at an annual salary of \$12,200 (AY).
34. ALFONSO SHIMBEL, Lecturer in Psychiatry with rank of Associate Professor, in the College of Medicine, beginning July 1, 1960, without salary (DY).
35. EDWARD SHOEMAKER, Associate Professor of Theoretical and Applied Mechanics, beginning September 1, 1960, at an annual salary of \$9,500 (D).
36. WACLAW W. SOROKA, Bibliographer with rank of Assistant Professor, Library, beginning June 1, 1960, at an annual salary of \$7,500 (DY).
37. DAVID ALDEN STOREY, Assistant Professor of Grain Marketing, in the Department of Agricultural Economics, beginning August 1, 1960, at an annual salary of \$8,500 (DY).
38. ROGER ALBERT STREHLOW, Visiting Professor of Aeronautical Engineering, for eleven months beginning August 1, 1960, at a salary of \$12,000 (G).
39. ADOLF F. STURMTHAL, Professor of Labor and Industrial Relations, beginning August 1, 1960, at an annual salary of \$14,100 (A).
40. JOHN V. TRIVETT, Visiting Associate Professor of Education, for the academic year 1960-61, at a salary of \$10,000 (E).
41. JACK TWORKOV, Visiting Professor of Art, for one month from March 15, 1961, at a salary of \$2,000 (G).
42. JOHN J. WAFFERLING, Assistant Director of the Physical Plant Department, Chicago Undergraduate Division, beginning July 1, 1960, at an annual salary of \$14,000 (DY).

43. THOR E. WOOD, Music Librarian with rank of Assistant Professor, Library, beginning September 1, 1960, at an annual salary of \$7,350 (DY).
44. WILLIAM WOODRUFF, Visiting Professor of Economics, for the academic year 1960-61, at a salary of \$9,000 (E).

#### Appointments to Nonacademic Staff

The Director of Nonacademic Personnel reports the following appointments to supervisory positions of upper level responsibility.

1. KAREN R. GARNER, Assistant Food Production Manager, Illini Union, beginning June 1, 1960, at an annual salary of \$4,200.
2. EDWARD T. GRAENING, Assistant Examiner, Admissions and Records, beginning May 16, 1960, at an annual salary of \$5,400.
3. JOHN W. RICE, Hospital Administrator, McKinley Hospital, beginning June 1, 1960, at an annual salary of \$7,500.

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

#### APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

(7) The Committee on Accountancy recommends the appointment of Mr. William M. Emery, partner in the law firm of McDermott, Will, and Emery, 111 West Monroe Street, Chicago, Illinois, as a member of the Board of Examiners in Accountancy for a period of three years beginning July 1, 1960, to succeed Mr. George Ragland, Jr., whose term has expired.

I concur.

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

#### APPOINTMENTS TO THE UNIVERSITY OF ILLINOIS CITIZENS COMMITTEE

(8) At its meeting on February 24, 1960, the Board of Trustees approved the appointment of new members of the University of Illinois Citizens Committee for a period of three years beginning January 1, 1960. I now submit the following supplemental nominations for appointment to that Committee for the period ending December 31, 1962.

ROBERT A. BARNES

State's Attorney

Lacon, Illinois

CARLON K. BENNETT

Attorney

Marshall, Illinois

GUNNAR A. BENSON

Principal, Sterling Junior High School  
Sterling, Illinois

SAMUEL S. BLANE

Attorney

Petersburg, Illinois

CHARLES BLISS

Hershey and Bliss, Attorneys

105a Main Cross Street

Taylorville, Illinois

JOHN BULLINGTON

Attorney

203A South Main Street

Hillsboro, Illinois

ROBERT J. BUROW

General Manager, Newspaper

17 West North Street

Danville, Illinois

SENATOR MARVIN F. BURT

1115 South Benson Boulevard

Freeport, Illinois

MARTIN J. CORBELL

Attorney

107 South Fourth Street

Vandalia, Illinois

DUANE CULLINAN

President, R. A. Cullinan and Sons  
(Road Contractors)

1617 North Eighth Street

Pekin, Illinois

CHARLES C. DADANT

Dadant and Sons (Manufacturers of  
Bee Supplies)

Hamilton, Illinois

DR. H. D. DANFORTH

Dentist

Box 247

Cissna Park, Illinois

BERNARD M. DECKER

Circuit Judge, Nineteenth Judicial  
District

Court House

Waukegan, Illinois

EDWIN A. DYSON

Co-publisher, *The Rushville Times*

Rushville, Illinois

PHILIP O. FOLEY

Lumber Manufacturer

Paris, Illinois

**HENRY GASSMANN**  
Insurance  
311 South Lexington  
Olney, Illinois

**FRANK R. HARMS**  
Certified Public Accountant  
Harms and Elliott (C.P.A.'s)  
Belvidere, Illinois

**WILLIAM R. HAYES**  
DuQuoin Coca-Cola Bottling Company  
Route 2  
DuQuoin, Illinois

**VERNON L. HEATH**  
Executive Vice-President, L. S. Heath  
and Sons Candy Company  
Robinson, Illinois

**LOUIS G. HORMAN**  
Attorney  
514 Metropolis Street  
Metropolis, Illinois

**DR. CLETUS KEARNEY**  
Physician  
El Paso, Illinois

**LESLIE E. MATHERS, SR.**  
Farmer and Cattle Breeder  
Mason City, Illinois

**RAYMOND E. MOSS**  
Attorney  
Clinton, Illinois

**KENNETH L. MOUNCE**  
President, Mounce Motors, Inc.  
Macomb, Illinois

**WILLIAM C. O'BRIEN**  
Attorney  
731 Garfield Avenue  
Aurora, Illinois

**ROGER B. POGUE**  
Retail Lumber Dealer  
304 Redwood Lane  
Decatur, Illinois

**GROVER E. SHIPTON**  
Newspaperman  
Roodhouse, Illinois

**ROY C. SMALL**  
Newspaperman, Register Publishing  
Company  
Harrisburg, Illinois

**CARL F. SOLDWEDEL**  
Owner, Dairy Products Farm  
73 North First Avenue  
Canton, Illinois

**JOHN L. STROHM**  
Editor and Publisher  
Woodstock, Illinois

**ROBERT D. THOMPSON**  
Attorney  
Pontiac, Illinois

**DAVID TURNBULL**  
Turnbull Funeral Home  
301 South Main Street  
Monmouth, Illinois

**JAMES H. VAUGHN**  
Partner, Lincoln Coca-Cola Bottling  
Company  
Lincoln, Illinois

**BRYANT VORIS**  
President, First National Bank  
Waterloo, Illinois

**FRED L. WHAM, JR.**  
Attorney  
City National Bank Building  
Centralia, Illinois

I also nominate Mr. Preston F. Grandon, Publisher of *The Daily Gazette*, Sterling, for appointment to the Executive Committee of the Citizens Committee to fill the vacancy created by the death of Mr. Volney B. Fowler, La Grange.

On motion of Mr. Swain, the appointments to the Committee and to the Executive Committee, as listed above, were approved.

The President also presented a report by Mr. George H. Bargh, Director of the Citizens Committee, of its activities during the academic year 1959-60. A copy of this report has been filed with the Secretary of the Board for record.

#### ADVISORY COMMITTEES FOR COLLEGE OF AGRICULTURE

(9) 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, 1960, for three-year terms, and I concur:

##### *Agricultural Economics*

**ROBERT G. GOLDEN**, Flora  
**JAMES HUMPHREYS**, Rural Route 1,  
Herrin

##### *Agricultural Engineering*

**G. W. ENDICOTT**, Ridgeview Farm,  
Villa Ridge  
**ALBERT MICHAEL**, Odell

##### *Agronomy*

**DELBERT SCHEIDER**, Red Oak  
**PAUL TROVILLION**, Brownfield

##### *Animal Science*

**RALPH J. THOMAS**, DeKalb Agricultural Association, Inc., Sycamore

*Dairy Science*

JOHN C. ALISON, Rural Route 2,  
Quincy

HAROLD E. HARTLEY, Centralia  
J. GEORGE SMITH, Oswego

*Forestry*

LORENZ E. TAMMEN, Box 168,  
Danforth

*Horticulture (Food Crops)*

FRANK CHATTEN, Rural Route 2,  
Quincy

L. A. FLOYD, Greenville

C. E. GEISE, Rochelle (Manager,  
Agriculture Research Department,  
California Packing Corporation)

*Horticulture (Floriculture,  
Ornamentals)*

WALTER AHRENS, Danville Gardens,  
Danville (President, Illinois State  
Vegetable Growers' Association)

H. H. BLIXON, Woodlawn Gardens,  
1401 St. Louis Street, Edwardsville

B. O. WARREN, Warren's Turf  
Nursery, 8400 West 111th Street,  
Palos Park (President, Illinois  
Turfgrass Foundation, Inc.)

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

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
AARON DOLNICK	Chicago	District of Columbia
RONALD ZADOC DOMSKY	Skokie	Wisconsin
ANTHONY ALBERT DRZYMALA DREW	Chicago	District of Columbia
RICHARD DEAN EVANS	Davenport, Iowa	Nebraska
DAVID ABRAHAM FELDMAN	Milwaukee, Wisconsin	Wisconsin
RALPH WESLEY LACEY	Chicago	District of Columbia
SEYMOUR MANDLER	Chicago	District of Columbia
RONALD BASIL STANG	Evanston	Kansas
JULIUS GEORGE SZUMYLO	Chicago	District of Columbia

I concur.

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

**DISCONTINUATION OF DIVISION OF SPECIAL SERVICES  
FOR WAR VETERANS**

(11) As authorized by the Board of Trustees, the Division of Special Services for War Veterans will be discontinued as of September 1, 1960. The University will, of course, carry out its obligations to nineteen students still enrolled in the Division who have not yet graduated.

Mr. Frank A. Bridgewater, who has been serving as Director of the Division since 1951 (prior thereto he was Assistant Director), has been appointed Assistant to the Dean of Admissions and Records effective September 1, 1960, and in this new position he will continue to administer the programs of the students remaining in the Division until they have completed requirements for degrees.

This is being reported for record and confirmation.

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

On motion of Mrs. Watkins, the Secretary was requested to express to Mr. Bridgewater the Board's appreciation of his services as Director of the Division.

**DEPARTMENT OF SPEECH AND THEATRE**

(12) On request of the Department of Speech, concurred in by the Executive Committee and the Dean of the College of Liberal Arts and Sciences, I have approved a change in the name of the Department to "Department of Speech and Theatre," effective September 1, 1960.

This implies no change in administration but only that the titles of some of the staff will be changed.

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

#### **CHANGES IN NAMES OF DEPARTMENTS IN COLLEGE OF DENTISTRY**

(13) The Dean of the College of Dentistry, with the concurrence of the Acting Vice-President in charge of the Chicago Professional Colleges, recommends changes in departmental names, effective September 1, 1960, as follows: Department of Crowns and Fixed Partial Dentures to Department of Fixed Partial Prosthodontics; Department of Full and Removable Partial Dentures to Department of Prosthodontics; Admitting Clinic to Patient Admissions; and Department of Postgraduate Studies to Department of Postgraduate Education.

These changes are consistent with current nomenclature recommended by the American Dental Association and in use in a majority of dental colleges in the United States and Canada. Conformity makes communication with the various universities more effective and precludes the need of explanations.

I concur.

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

#### **EXTENSION OF COUNTY SCHOLARSHIPS**

(14) The Board of Trustees has previously authorized additional University tuition scholarships, supplementing County Scholarships in the larger counties, to be awarded on the basis of one scholarship for each 50,000 population or fraction thereof, based on the 1950 census. The 1960 census shows a number of counties with increased populations so that an increase in the number of these scholarships is in order.

Accordingly, on recommendation of the Committee on Undergraduate Scholarships, I have authorized an increase in the number of University scholarships supplementing County Scholarships as follows: Cook County, from 90 to 109; DeKalb County, from 1 to 2; DuPage County, from 4 to 7; Kane County, from 4 to 7; Lake County, from 4 to 6; Macon County, from 2 to 3; Madison County, from 4 to 5; St. Clair County, from 5 to 6; Whiteside County, from 1 to 2; Will County, from 3 to 4; Winnebago County, from 4 to 5.

This is consistent with the formula adopted by the Board and I report it for record, requesting confirmation of my action.

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

#### **TUITION AND FEE WAIVERS IN THE GRADUATE COLLEGE**

(15) The Board of Trustees has previously authorized 450 tuition and fee waivers a year to be awarded to graduate students.

The Dean of the Graduate College originally requested 500 but this allotment was reduced to 450. It is clear now that the allocation of 500 originally requested is required to meet all of the legitimate needs of the Graduate College. However, this will not result in an increased cost to the University, because the additional tuition and fee waivers will be offset by a reduction in the number of staff members eligible for exemption from tuition fees under the new rules adopted by the Board at the time the tuition and fee waivers were authorized.

I recommend authorization of the additional fifty tuition and fee waivers for graduate students.

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

#### **FLIGHT-TRAINING FEE**

(16) The Director of the Institute of Aviation and the Committee on Fees recommend an increase in the flight-training fee from \$300 to \$325 each semester. The flight-training program was set up as self-supporting, and the increase is necessary to cover the increased costs of instructional operations.

I concur.

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



**ADMISSION OF UNDERGRADUATE STUDENTS ENTERING DIRECTLY FROM HIGH SCHOOL**

(17) The University Senates recommend that the present requirements for admission of undergraduate students entering the University from high school, and who are residents of Illinois, be amended to read:

*Residents of Illinois.* A graduate of an accredited high school who is a resident of Illinois, whose rank in scholarship is in the lowest quarter of his graduating class (applicable to those seeking admission in the fall of 1961 or thereafter), or in the lower half (applicable to those seeking admission in the fall of 1963 or thereafter), and who is otherwise qualified for admission, will be admitted to the University upon presentation of either of the following evidences of ability to do satisfactory work at the University:

Obtaining a passing score on a test, or tests, as prescribed by the All-University Committee on Admissions. The Committee may set separate passing scores for students in the third quarter and in the fourth quarter of their high school classes, and shall set passing scores such that a student admitted to the University by this means will have approximately one out of four chances, or better, of being on clear status at the end of the first semester of his college work.

Presenting evidence of having attempted twelve or more semester hours of work at another college or university of recognized standing, and meeting the regular University requirements for admission as a transfer student.

Or by applying for admission to a session which begins at least twelve months after the applicant's graduation from high school, provided that (a) in this twelve-month period he has not attempted as much as twelve semester hours of work at another college or university of recognized standing, and (b) that he meets all other University requirements for admission that are applicable to him, except that he shall not be required to take the test, or tests, prescribed above.

The student's rank is to be based on work completed in grades nine, ten, eleven, and the first half of twelve in the case of four-year high schools, and on work completed in grades ten, eleven, and the first half of twelve in the case of three-year senior high schools.

I concur.

Mr. Wilkins suggested that the term "recognized high school" be substituted for the term "accredited high school" in the text (first sentence).

On motion of Mr. Harewood, the revision of the requirements as proposed by the Senates, with the change suggested by Mr. Wilkins, was approved.

**PROGRESSIVE ADMISSION OF UNDERGRADUATE STUDENTS**

(18) Because available facilities are inadequate to provide for all qualified applicants for admission to the undergraduate colleges and institutes at the University of Illinois, and in order to utilize the University's capacities most effectively, the University Senates recommend that the Dean of Admissions and Records be authorized to issue permits to enter the undergraduate colleges and institutes at Urbana and at the Chicago Undergraduate Division in accordance with the procedures outlined below, effective beginning with applicants for admission in September, 1961.

**Priorities for Action on Applications for Admissions to the Fall Semester Period I, through March 31**

1. New freshmen who are residents of Illinois and who rank in the highest 25 per cent of their high school class.
2. New freshmen who are nonresidents of Illinois and who rank in the highest 15 per cent of their high school class.
3. Transfer students who are residents of Illinois with not less than a 3.75 average in their college work in terms of the grading system of the University of Illinois.

4. Transfer students who are nonresidents of Illinois with not less than a 4.0 average in their college work in terms of the grading system of the University of Illinois.

*Period II, from April 1 through April 30*

1. New freshmen who are residents of Illinois and who rank in the highest 50 per cent of their high school class.
2. New freshmen who are nonresidents of Illinois and who rank in the highest 25 per cent of their high school class.
3. Transfer students who are residents of Illinois with not less than a 3.5 average in their college work in terms of the grading system of the University of Illinois.
4. Transfer students who are nonresidents of Illinois with not less than a 3.75 average in their college work in terms of the grading system of the University of Illinois.

*Period III, after April 30*

All applicants, new freshmen and transfers, who meet all requirements for admission to the University.

*Use of Test Scores in Lieu of Rank in Class*

Wherever rank in high school class is referred to above as a basis for establishing priority of admissions, an applicant may offer evidence of scholastic ability in the form of test scores in lieu of rank in class. The All-University Committee on Admissions is authorized to designate a test, or tests, and scores equivalent to different ranks in high school classes, that are acceptable for this purpose.

Offering of test scores as evidence in lieu of rank in class will be optional with the student applying for September, 1961. The University will require an admission test for all students applying for September, 1962, and thereafter.

*Priorities within Periods I, II, and III*

Within each of the three periods, the Office of Admissions and Records is authorized to give priority, so far as administratively feasible, to the best qualified applicants as indicated by (a) rank in high school class, (b) scores on a scholastic aptitude test, or tests, and (c) any other available information.

A similar system of priorities may be established for the spring semester.  
I concur.

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

**COLLEGE OF ENGINEERING HONORS AT GRADUATION**

(19) The faculty of the College of Engineering has recommended, and the Urbana Senate has approved, modifications in the Honors at Graduation program of the College. Submitted herewith is a statement giving the details of these changes as approved by the Urbana Senate; a copy is being filed with the Secretary of the Board for record.

I recommend approval.

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

**GRADUATE PROGRAM IN MARKETING**

(20) The Urbana-Champaign Senate recommends authorization of a graduate program leading to the degree of Doctor of Philosophy in Marketing. This program has been approved by the Executive Committee of the Graduate College. Its objectives are to meet the need for trained teachers in the field of marketing in this country and abroad, and to provide scientifically trained personnel for market research departments and agencies.

Requirements for admission and for the degree are as follows:

*Admission Requirements.* The applicant must have a grade-point average of 3.75 for the last sixty hours of work. It is understood that applicants with averages between 3.5 and 3.74 may be admitted on recommendation of the department. The applicant also must have at least twenty hours of undergraduate work in business subjects with a minimum of six hours of marketing.

*Degree Requirements.* Candidates for degree must fulfill all the general requirements of the Graduate College, including residence, languages, the pre-

liminary examination, the dissertation, and the final examination. The work in minor fields will consist of not less than four units. The preliminary examination must demonstrate a comprehensive knowledge of marketing, an understanding of economic theory and its relationship to marketing, and an acquaintance with the subject matter and bibliography of the various areas of marketing.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval.

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

#### **GRADUATE DEGREE IN ANIMAL NUTRITION**

(21) Two graduate programs leading to the degrees of Doctor of Philosophy in Animal Science and Doctor of Philosophy in Animal Nutrition are now offered by the Department of Animal Science. To eliminate the confusion which exists relative to the two degrees, the Department, the Graduate College, and the Urbana-Champaign Senate recommend that the degree of Doctor of Philosophy in Animal Nutrition be discontinued. This is a change in nomenclature and implies no change in course content or degree requirements. Students interested in animal nutrition will continue to take the same courses as before and to do research in this area but will receive the degree of Doctor of Philosophy in Animal Science. This change will not affect students currently enrolled in the program but will apply to all new students enrolling after September 1, 1960.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I concur.

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

#### **MAJOR IN AGRICULTURAL COMMUNICATIONS**

(22) The Urbana-Champaign Senate recommends authorization of a new major in agricultural communications in the existing curriculum in General Agriculture.

The major, approved by the faculty of the College of Agriculture and developed in cooperation with the College of Journalism and Communications, will provide training for students interested in the farm newspaper or magazine field, farm radio and television, advertising, agricultural public relations, agricultural college and United States Department of Agriculture editorial work, and other positions requiring education in both agriculture and communications.

The major follows the same basic pattern as other majors in the General Agriculture curriculum with a basic core program being followed during the freshman and sophomore years. As in other majors, the student must complete a minimum of fifty hours of agriculture and twelve hours of humanities and social science (in addition to Economics 108 and Speech 101). He must also complete twenty hours in one of the journalism and communications options as provided.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Hughes, this program was authorized.

#### **CHANGES IN CURRICULUM IN PHYSICAL EDUCATION FOR MEN**

(23) The Urbana-Champaign Senate recommends revisions in the curriculum in Physical Education for Men, the major changes being:

Elimination of a specified minor in favor of a minor determined through advisement.

Providing for a minor in health education, and certification in safety and driver education, by careful use of elective hours.

Rearrangement of several courses.

Requiring Physical Education for Men 271, Organization of Sports Programs, in the senior year.

Changing Physical Education for Men 209, History of Sports, from a two-hour to a three-hour course and requiring it in the sophomore year as a substitute for Recreation 174, Camp Counseling.

Adding a new requirement, Physiology 350, Physiology of Human Activity, in the senior year, to be developed and taught by the Department of Physiology.

Increasing the total number hours required for graduation from 130 to 132.

Submitted herewith are the details of this new curriculum, a copy of which is being filed with the Secretary of the Board for record.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Swain, these changes in the curriculum were approved.

#### **MATERIALS RESEARCH CENTER**

(24) In 1956 a proposal was made to the Atomic Energy Commission for the construction at the University of a laboratory for materials research. This proposal, providing for the construction of a building at an estimated cost of \$3,600,000 and equipment estimated to cost \$2,000,000, was included in a bill passed by the United States Congress. Under consideration is an appropriation of \$1,500,000 for the preparation of plans and specifications for such buildings at the University of Illinois and at the University of Notre Dame. While there is no division of the amount between the two, on the basis of the estimated cost, approximately \$1,000,000 would be made available to the University of Illinois for plans and specifications. No appropriation has been made, however, for the building.

Under such a program, the Atomic Energy Commission would lease from the University the land on which the building is to be built, and would contract with the University for the preparation of plans and construction of the building. The lease of the land would be for an estimated period of time but would be in excess of sixty years. The University would be consulted in the preparation of plans and in the construction of the building but final responsibility would be with the United States Government. Upon completion of the building the government would contract with the University for its use and occupancy.

I recommend that the Vice-President and Comptroller be authorized to negotiate with the United States Government on this project provided that final contractual arrangements will be presented to the Board of Trustees for approval before execution of any documents.

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested.

#### **APPLICATION TO HOUSING AND HOME FINANCE AGENCY FOR LOAN TO FINANCE CONSTRUCTION OF WOMEN'S RESIDENCE HALLS**

(25) A preliminary application was filed under date of June 30, 1960, with the Housing and Home Finance Agency for a loan of \$5,000,000 to assist in the financing of women's residence halls to be constructed at Lincoln and Pennsylvania Avenues south of the Illini Grove. These halls will provide housing for 1,044 undergraduate women. The total project cost is estimated at \$5,750,000. The preliminary design of the buildings has been approved by the Committee on Buildings and Grounds of the Board of Trustees.

It is recommended that the Board authorize the following:

The submission of a complete application to the Housing and Home Finance Agency if federal funds become available;

The employment of Chapman and Cutler as counsel for the bond issue;

The taking of bids for the construction of the buildings and for the sale of the bonds at such times as are determined most appropriate by the Vice-President and Comptroller;

The Comptroller and the Secretary of the Board execute a loan agreement with the Housing and Home Finance Agency;

Any and all other necessary steps and formalities in connection with the bond issue and the sale of the bonds.

I concur.

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

**DESIGNATION OF CONTINENTAL ILLINOIS NATIONAL BANK  
AND TRUST COMPANY AS DEPOSITARY OF PROCEEDS  
OF HOUSING REVENUE BONDS OF 1960**

(26) On June 14, 1960, the Board authorized the deposit of the proceeds of the Housing Revenue Bonds of 1960 in a construction account in the Continental Illinois National Bank and Trust Company of Chicago. The Bank has requested that a formal resolution be adopted as follows:

**Resolution**

*Be It Resolved*, That the Continental Illinois National Bank and Trust Company of Chicago be and hereby is designated a depository in which construction funds of this corporation may be deposited by its officers, agents, and employees and that the Comptroller, or any other officer of this corporation, be and hereby is authorized to open and maintain an account or accounts with said Bank and to endorse and deposit with said Bank negotiable instruments and orders for the payment of money which endorsements may be made in writing or by a stamp and without designation of the person so endorsing, and it being understood and agreed that on all such items deposited, all prior endorsements are guaranteed by this corporation whether or not an express guaranty is incorporated in such endorsements.

*And Be It Further Resolved*, That the Continental Illinois National Bank and Trust Company of Chicago as a designated depository of this corporation be and it is hereby requested, authorized, and directed to honor checks, drafts, or other orders for the payment of money drawn in this corporation's name, including those drawn to the individual order of any person or persons whose name or names appear thereon as signer or signers thereof, when bearing or purporting to bear the facsimile signature(s) of the President and Secretary, and Continental Illinois National Bank and Trust Company of Chicago shall be entitled to honor and to charge this corporation for all such checks, drafts, or other orders, regardless of by whom or by what means the facsimile signatures thereon may have been affixed thereto, if such facsimile signatures resemble the facsimile specimens duly certified to or filed with the Continental Illinois National Bank and Trust Company of Chicago by the Secretary or other officer of this corporation.

The Vice-President and Comptroller recommends adoption of this resolution. I concur.

On motion of Mr. Swain, the foregoing resolution was adopted.

**BICYCLE REGULATIONS AND APPROPRIATION FOR PARKING LOTS**

(27) A faculty Committee on Bicycle Control and Pedestrian Traffic, appointed by Vice-President and Provost Gordon N. Ray in January, 1960, has completed a study of the problems created by the increasing number of bicycles on the campus and has made recommendations with respect to these and related problems.

The Committee recommends adoption of a code of regulations for the registration, operation, and parking of bicycles on the campus for the safety of pedestrians and operators. I have approved these regulations, a copy of which is being filed with the Secretary of the Board for record.

No registration fee will be required but the regulations provide for fines for violations, similar to fines for violations of other campus regulations. Fines collected will be turned over to the Student Senate for its operating expenses and for scholarships.

I recommend that an appropriation of \$14,000 be made from the General Reserve Fund for the construction of five new bicycle parking areas and an addition of \$1,250 to the operating budget of the Security Office for the cost of registration and enforcement.

On motion of Mr. Johnston, the report of the President's action was received for record, and the appropriations requested were made by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

**APPROPRIATIONS FOR NONRECURRING EXPENDITURES**

(28) The Vice-President and Provost and the Vice-President and Comptroller recommend assignments of funds from the University's General Reserve, and from funds available in the state capital appropriations to the University for 1959-61 for remodeling, for the following:

1. Housing Division, expansion of educational programming in residence halls .....	\$ 11 175 00
Improvement in lighting of dining room and installation of shelving to serve as library.....	\$3 375
Wages for student assistants.....	1 200
Books.....	5 000
Art exhibits .....	1 600
2. President's Office, acoustical tile on ceilings, painting, and floor covering.....	3 305 00
3. Storage building at Armory Avenue and the Illinois Central Railroad tracks, remodeling for use by the Central Receiving Station and the Office Supply Store.....	75 000 00
4. Chicago Undergraduate Division.....	6 300 00
Air conditioning Office of Admissions and Records.....	\$ 4 480
Remodeling and rehabilitation of Room 18.....	1 820
5. Remodeling Quonset huts to be vacated by Central Receiving Station for Highway Test Tract and Steel Storage Project for Department of Civil Engineering.....	30 000 00
6. Transportation Building, partitioning room to make offices for assistants in General Engineering.....	2 820 00
7. Administration Building, remodeling to provide additional office space for the Graduate College and the Admissions and Records Office.....	3 375 00
8. Altgeld Hall, remodeling Room 314 for Department of Mathematics.....	6 350 00
9. Lincoln Hall, remodeling six rooms and museum space.....	14 285 00
10. Lincoln Hall, remodeling in the basement to provide laboratory space for Departments of Psychology and Anthropology.....	5 490 00
11. 605 South Goodwin Avenue, remodeling and equipment for Office of Nonacademic Personnel.....	7 000 00
12. Department of Physiology, equipment for teaching laboratories to provide for increase in enrollment and to implement a curricular change .....	6 475 80
13. Student Rehabilitation Center, purchase of a specially equipped bus for transportation of physically handicapped students to and from classes .....	10 650 00
14. Department of Zoology, construction of low-cost building to serve as overflow laboratory or office space.....	11 000 00
15. Business Office, purchase of microfilm camera for Auditing Division's records .....	2 000 00
<i>Total</i> .....	<u>\$195 225 80</u>

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

**CONTRACT FOR VETERINARY RESEARCH FARM ISOLATION UNIT**

(29) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$7,218.87 to Dean Evans Company, Champaign, the lowest bidder, for the construction of the second isolation unit for the Veterinary Research Farm. Funds are available in a grant from the Moorman Manufacturing Company for this project.

I concur.

On motion of Mr. Hughes, this contract was awarded, as recommended, by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr.

Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

#### CONTRACT FOR NEW ROOF AND GUTTERS ON SMITH MUSIC HALL

(30) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$14,971 to Industrial Roofing Contractors, Mattoon, the lowest bidder, for a new roof and gutters on Smith Music Hall. Funds are available in the budget of the Physical Plant Department for this improvement.

I concur.

On motion of Mr. Harewood, this contract was awarded, as recommended, by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

#### CONTRACTS FOR LANDSCAPING AND PLANTING OF FINE AND APPLIED ARTS BUILDING AND CENTRAL FOOD STORES AREAS

(31) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts to the Twin City Nursery and Landscape Service, Urbana, the lowest bidder, for landscaping and planting the following areas: Fine and Applied Arts Building and Krannert Art Museum..... \$14 736 94 Central Food Stores Building..... 5 437 49

Funds are available in the state capital appropriations for 1959-61 for the Fine and Applied Arts Building area and in the construction account for the Central Food Stores Building.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

#### CONTRACTS FOR LAUNDRY BUILDINGS TO SERVE HOUSING AREAS

(32) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for the construction of two laundry buildings to serve the Orchard Place and Orchard Downs Apartments in the area south of Florida Avenue and east of Orchard Street extended, the award in each case being to the lowest bidder.

General — C. A. Petry and Sons, Champaign.....	\$38 490 00
Electrical — Neal Morton Electric, Champaign.....	4 492 00
Plumbing — Reliable Plumbing and Heating Company, Champaign..	32 527 00
Heating — F. R. Inskip Company, Champaign.....	3 792 00
Ventilating — F. R. Inskip Company, Champaign.....	3 080 00

Funds are available in the construction account for the Orchard Downs Apartments.

Submitted herewith is a report from the Physical Plant Department listing all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

#### CONTRACT FOR ELECTRICAL DISTRIBUTION SYSTEM IN DENTISTRY-MEDICINE-PHARMACY BUILDING

(33) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$82,940 to Divane Brothers Electric Company, 3826 West Van Buren Street, Chicago, Illinois, the lowest bidder, for improvements in the present inadequate electrical distribution system in the first unit of the Dentistry-Medicine-Pharmacy Building.

This is part of the first phase of the installation of a new 12,000-volt service for the Dentistry-Medicine-Pharmacy Buildings and some areas of the Research and Educational Hospitals. The installation will replace the present overloaded and unreliable 4,000-volt service and the first phase of the work will provide additional electrical capacity in an area seriously deficient now and will establish the primary 12,000-volt service and transformer vault for the ultimate project.

Bids were taken on a base bid and eight additive alternates in order to have as much of the work done as funds would permit. The contract here recommended will provide for equipping the 12,000-volt vault and supplying adequate electrical service to the basement, first, second, and third floors of the first unit of the Dentistry-Medicine-Pharmacy Building.

Funds are available in the state capital appropriations to the University for 1959-61.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

#### **CONTRACTS FOR STORM AND SANITARY SEWER CONSTRUCTION AND EXTENSION OF WATER MAIN TO SERVE ASSEMBLY HALL**

(34) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts to the lowest bidders as follows:

Construction of Southwest Campus Storm Sewer, Temporary Outlet, and First Street Sanitary Sewer—Illiana Construction Company, Urbana	\$57 500
Construction of First Street Water Main Extension—Cross Construction Company, Urbana	14 297

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

#### **CHANGE IN CONTRACT FOR INSTALLATION OF SEATING IN ASSEMBLY HALL**

(35) The Board of Trustees has authorized a contract with the American Seating Company of New York, the lowest bidder, for the installation of permanent seating in the Assembly Hall on the basis of \$253,300 for 17,000 stadium-type seats with the University having the option of increasing or decreasing the number on the basis of unit cost, and with alternates providing for the addition of arms and upholstered seats and backs in the theater quadrant.

On the advice of the architect for the building, the Director of the Physical Plant and the Vice-President and Comptroller recommend a change in the contract to provide for a 20½ inch minimum space per seat in the theater quadrant and the installation of upholstered seats with backs and arms in this area; and 19½ inch minimum space per seat in the balance of the area. This will provide a good standard of comfort but will reduce the permanent seating from 16,800 to 15,902 (4,142 in the theater quadrant and 11,760 in the rest of the area). The additional cost will be \$21,575.

A supporting statement from the Physical Plant Department is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

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

#### **UNIVERSITY FUNDS REQUIRED FOR IMPROVEMENT OF GREEN STREET IN URBANA**

(36) The Board of Trustees has authorized an agreement with the city of Urbana providing for the payment by the University of its share of the cost of the widening and repaving of Green Street from Wright Street to Lincoln Avenue.



Engineers have now completed a field check and have reviewed plans and specifications, and the factors used in the preliminary estimates of the cost of the project. The revised estimate now is \$471,285 of which the University's share will be \$336,028, as compared with preliminary estimates of \$418,800 and \$298,293, respectively.

Under the terms of the agreement the payment required by the University during the present biennium is \$141,500. Funds are available in the state capital appropriations to the University for 1959-61, subject to release by the Governor.

This report was received for record.

#### NATIONAL SCIENCE FOUNDATION GRANTS

(37) The National Science Foundation has made the following grants to the University for capital improvements:

Construction of research buildings at the Betatron Laboratory.....	\$27 300
Remodeling program for Physical Chemistry.....	50 000
Modernization and expansion of graduate research laboratories in Civil Engineering.....	17 800
Remodeling biochemistry and anatomy research laboratories at the Chicago Professional Colleges .....	17 300

In each case the grant has been made with the express understanding that the funds will be matched by the University from nonfederal sources, to the extent of at least 50 per cent of the direct costs. Matching funds to be supplied by the University are available for these projects.

This report was received for record.

#### GRANT FROM AMERICAN CHEMICAL SOCIETY

(38) Professor Harry G. Drickamer of the Department of Chemistry and Chemical Engineering has been selected by the American Chemical Society to receive the Petroleum Research Fund Award for 1960 in the form of an unrestricted grant of \$50,000 to the University for his research work in the field of petroleum. This grant has been accepted with an expression of appreciation on behalf of the Board of Trustees. It is reported now instead of being held for inclusion in the next annual report of gifts and grants because of the special distinction attached to the award.

This report was received for record.

#### CONTRIBUTIONS FOR ELECTRICAL ENGINEERING BUILDING

(39) Building needs in the College of Engineering are particularly acute and, except for the completion of the Physics Building, the addition to the Electrical Engineering Building is the College's greatest need. The portion of the Electrical Engineering Building which was completed eleven years ago provides only one-third the space requested in 1945 when there was a staff of 20 and an undergraduate student body of some 400. The Department now has 91 full-time faculty, 1,146 undergraduate students, 222 graduate students, and 79 nonacademic staff members. To include the addition to the Electrical Engineering Building in the top priority group in the 1961-63 biennium, funds must be provided now for planning and working drawings in order that the building can be completed within the biennium for which funds are received. The Dean of the College of Engineering has been authorized to seek contributions from a limited number of leading engineering alumni in order that the working drawings, estimated to cost \$63,000, can be completed during the next year.

This report was received for record.

#### PURCHASES

##### Purchases Authorized

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

##### Urbana-Champaign Departments

Item	Department	Vendor	Cost
One spectrophotometer with photomultiplier and ultraviolet accessory	Chemistry and Chemical Engineering	E. H. Sargent & Co., Chicago	\$ 2 743 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Cobalt teletherapy unit and accessories with capacity for loading up to 225 curies of Cobalt 60	Veterinary Medicine	The Dick X-Ray Co., St. Louis, Mo.	\$15 000 00 f.o.b. delivered
One lot replacement and accessory parts for the "Ease" Analog Computer, Model 1032	International Cooperation Administration Contracts	Beckman Instruments, Berkeley Division, Ease Computer Section, Richmond, Calif.	2 737 87 f.a.s. Ocean Port of Embarkation
Three Lyon electric-glass incubators	International Cooperation Administration Contracts	U. S. Department of Commerce, c/o Office of International Trade Fair, Washington 25, D.C.	3 587 51 f.o.b.
One John Deere plow, three furrow, MN 475			New Delhi, India
Two Union Carbide gas cylinders			
One John Deere diesel tractor, model 435			
One comfort sprayer trailer MN S613			
Four constant temperature baths, rectangular, electric	International Cooperation Administration Contracts	E. H. Sargent & Co., Chicago	3 316 00 f.a.s. New York, N.Y.
Four constant temperature ovens, 180°			
Three constant temperature baths, circular, electric			
Two autoclaves, sterilizer, horizontal, electric 220-230 volts, 50-cycle	International Cooperation Administration Contracts	E. H. Sargent & Co., Chicago	3 790 00 New York, N.Y.

#### *Chicago Colleges and Divisions*

Dormitory furniture for Hospital Resident Staff (16 suites)	Research and Educational Hospitals	Gilbert A. Force Co., Chicago	4 613 60 net delivered
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On motion of Mrs. Watkins, these purchases were approved.

#### **Purchases Recommended**

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

#### *Urbana-Champaign Departments*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One Offner type 492 six-channel differential data amplifier system consisting of three type 492 dual-channel amplifiers, one 392 power supply, and one BM492/8 bin mounting plus blank panels	Aeronautical Engineering	Offner Electronics, c/o Pivan Engineering Co., Chicago	\$ 2 845 00 f.o.b. delivered
One multichannel dual purpose amplifier system consisting of: Four carrier amplifiers One four-channel case One oscillator power supply One shockmount base One complete set cables One carrier voltage reducer One dynamic reference trace One adapter Three dummy galvanometers Three pressure pickups	Aeronautical Engineering	Consolidated Electrodynamics Corp., Chicago	4 517 00 f.o.b. delivered
One lot of unitized laboratory furniture	Botany	E. H. Sheldon Equipment Co., St. Louis, Mo.	4 580 50 f.o.b. Urbana
One plant growth chamber, 48 in. x 96 in. x 84 in. with lights and controls, 115-volt, 60-cycle	Botany	The Electric Hotpack Co., Inc., Philadelphia, Pa.	10 585 00 f.o.b. delivered
One cold room, walk-in, laboratory model, 72 in. x 96 in. x 84 in., complete with refrigeration equipment and controls, 115-volt, 60-cycle	Botany	Schaar & Co., Chicago	4 008 35 f.o.b. delivered
One lot laboratory equipment and supplies, including a laboratory centrifuge, refrigerated type and accessories, shakers, stirrers, hot plates, and accessory glassware	Chemistry and Chemical Engineering	E. H. Sheldon Equipment Co., Muskegon, Mich.	10 566 30 f.o.b. delivered
Laboratory furniture as follows: Two center benches Two service rack assemblies Four base cabinets Five upper cabinets			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of laboratory furniture (a complete list of the items included in this order was available at the Board meeting)	Chemistry and Chemical Engineering	Walrus Manufacturing Co., Decatur	\$ 2 712 31 f.o.b. Urbana
One X-ray counting system consisting of one each Hamner N-730 linear count rate meter, N-401 regulated high voltage power supply, N-302 amplifier, N-803 crystal controlled electronic printing timer, N-276 high-speed printing scaler, SX-4 preamplifier, SX-2 preamplifier, and cabinet with blower-filter system, isolation transformer, circuit breakers, and interconnected wiring	Chemistry and Chemical Engineering	Hamner Electronics Co., Inc., Princeton, N.J.	5 000 00 f.o.b. delivered
One set preparative columns and accessories for Beckman amino acid analyzer	Chemistry and Chemical Engineering	Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.	2 738 90 f.o.b. delivered
One centrifuge, automatic superspeed refrigerated, complete with 34° type SS-34 (8-50 ml tube) rotor, suitable for batch and continuous flow separations, range 5° F. to 104° F., S. S. chamber, + 1° C control, 1½ H.P. compression, to run 12 to 16 hours per day	Chemistry and Chemical Engineering	Ivan Sorvall, Inc., Norwalk, Conn.	2 875 00 f.o.b. delivered
One high-speed large capacity rotor, six compartments for 250 ml bottles, with air tight cover			
One spectropolarimeter, automatic, recording, range 200 to 700 mμ, sensitivity 0.001 angular degrees, three plus or minus rotation ranges 2°, 20°, and 200°, complete, 115-volt, 60-cycle	Chemistry and Chemical Engineering	Rudolph Instruments Engineering Co., Little Falls, N.J.	18 000 00 f.o.b. delivered
84 drums, 54 gallons each, chemically pure acetone to be delivered at the rate of seven drums per month from September, 1960, through August, 1961	General Chemical Stores	The R. J. Brown Co., Decatur	3 326 40 f.o.b. delivered
One lot laboratory glassware and apparatus	General Chemical Stores	Arthur S. LaPine & Co., Chicago	51 861 40 f.o.b. delivered
Two 100-case standard laboratory glassware at established published fair-trade prices in effect at time of shipment			
One Universal milling machine, 52 in. x 10 in., table complete with dividing head, enclosed driving mechanism, arbor support and arbors, side and rear feed controls, backlash eliminator, positive limit dogs, and necessary motors and controls	Civil Engineering	Cincinnati Milling & Grinding Machines, Inc., Berwyn	14 975 00 f.o.b. delivered
One ultra-high vacuum system for auger experiment	Coordinated Science Laboratory	RCA Industrial Tube Products, Lancaster, Pa.	13 600 00 f.o.b. delivered
One assembly for microspectrophotometer consisting of microscopic and photographic equipment	Dairy Science	W. H. Kessel & Co., Chicago	6 100 90 f.o.b. delivered
Transitron "Stabistor" voltage references (diodes): 500 type SV3141A 200 type SV3142A 1,100 type SV3143A 100 type SV3144A 1,600 type SV3145A	Digital Computer Laboratory	Transitron Electronic Corp., Wakefield, Mass.	12 455 00 f.o.b. delivered
Lease one digital computer, for initial period of one year, with option of quarterly renewal thereafter	Electrical Engineering	Bendix Computer Division, Bendix Corp., Chicago	20 290 00 f.o.b. delivered
Two General Electric modified RC-4 hybrid couplers to provide a voice input to existing station equipment from a remote location and two telegraph terminals, type RFL-995TR, with transmit and receiver filters to protect the teletype termination unit from external voice frequencies	Electrical Engineering	General Electric Co., Lynchburg, Va.	2 522 00 f.o.b. delivered
One ultracentrifuge, analytical, preparative precision model complete with optical, photography, refrigeration and control systems, electrical drive 2,000 to 60,000 RPM, and accessories	Microbiology	Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.	24 720 00 f.o.b. delivered

Item	Department	Vendor	Cost
Auxiliary equipment and replacement parts for the modification of Arthur D. Little-Collins helium cryostat, Serial No. 18	Physics	Arthur D. Little, Inc., Cambridge, Mass.	\$14 309 20 f.o.b. Cambridge, Mass.
One Tektronix type 519 oscilloscope	Physics	Tektronix, Inc., Park Ridge	3 800 00 f.o.b. Portland, Ore.
Rebuild and refinish Model D Steinway grand piano	Music	Steinway & Sons, Long Island City, N.Y.	2 972 00 f.o.b. Long Island City, N.Y.
One truck cab and chassis, 22,500 lbs. GVW, 171 in. wheelbase to replace vehicle No. 747, a 1944 International truck with livestock and grain bed	Dixon Springs Experiment Station	Hannagan's Power Farm, Champaign	3 429 02 f.o.b. delivered
One centrifuge, refrigerated, automatic with six and eight place 50 ml tube heads, superspeed with facilities for continuous and batch attachments	Veterinary Medicine	Ivan Sorvall, Inc., Norwalk, Conn.	2 880 00 f.o.b. delivered
Scoring service for approximately 76,000 special answer sheets	Bureau of Educational Research	Measurement Research Center, Inc., Iowa City, Iowa	9 120 00 f.o.b. Iowa City, Iowa
Laboratory furniture to refurnish the chemistry, physics, and biology classrooms and science lecture room	University High School	E. H. Sheldon Equipment Co., St. Louis, Mo.	27 183 00 f.o.b. Urbana
Professional services required during the period July 1, 1960, through June 30, 1961, for development and production of weekly University of Illinois Market Buy Program, conducted in the Chicago area by the Extension Service in Agriculture and Home Economics; services consist of preparation of news copy and mats, mimeographing, mailing service, and clipping service	Extension Service in Agriculture and Home Economics	Newsography-95, Chicago	10 800 00 estimated total expenditure
One Dage model 320B/V television camera	Instructional Television	Dage Television Division, Thompson Ramo Wooldridge, Inc., Michigan City, Ind.	4 553 70 f.o.b. delivered
One 735 portable camera control			
One angencieux zoom lens with close-up attachment			
One 201-A audio-visual mixing unit			
One hercules tripod complete with dolly and pan head			
49 films, 16 mm.	Audio-Visual Aids Service	International Film Bureau, Inc., Chicago	5 555 00 f.o.b. delivered
65 replacement prints, 16 mm., less allowance for return of damaged prints	Audio-Visual Aids Service	Coronet Films, Chicago	3 712 50 f.o.b. delivered
32 films, 16 mm.	Audio-Visual Aids Service	Coronet Films, Chicago	4 542 50 f.o.b. shipping point
65 replacement prints of 16 mm. films, less allowance of return of 65 damaged films	Audio-Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	5 148 75 f.o.b. Wilmette
80 films, 16 mm.	Audio-Visual Aids Service	Coronet Films, Chicago	7 990 00 f.o.b. delivered
Lease 13 films, 16 mm., for the life of each print up to six years from date of delivery	Audio-Visual Aids Service	Films, Inc., Wilmette	2 940 00 f.o.b. shipping point, New York
13 films, 16 mm., less trade-in of 35 damaged prints	Audio-Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	4 860 00 f.o.b. Wilmette
72 films, 16 mm.	Audio-Visual Aids Service	McGraw-Hill Book Co., Inc., New York, N.Y.	8 614 70 f.o.b. delivered
One offset duplicator with duplicating area of 10 1/2 x 16 1/2 to accommodate paper sizes from 3 in. x 5 in. to 11 in. x 17 in., less trade-in allowance for an old model 750 machine	Vocational Agriculture Service	Maginn Office Equipment Co., Champaign	2 825 00 f.o.b. delivered

Item	Department	Vendor	Cost
1,000 reams English finish book paper, white	Office Supply Store	Bradner Smith & Co., Chicago	\$ 8 596 00 f.o.b. delivered
Enamel book paper: 800 reams 25 x 38, 70 lb. 250 reams 22½ x 35, 58 lb. 200 reams 25 x 28½, 53 lb.	Office Supply Store	Decatur Paper House, Inc., Decatur	14 238 86 f.o.b. delivered
875,000 brown kraft envelopes in various sizes and weights	Office Supply Store	Moser Paper Co., Chicago	7 771 70 f.o.b. delivered
75 cases (12,000 per case) napkins 12 in. x 13 in., paper	Office Supply Store	O K Papers, Inc., Chicago	3 478 42 f.o.b. delivered
175 cases (7,500 per case) napkins 12 in. x 16½ in., paper			
112,500 kraft bags			
825 study lamps and shades	Housing Division (Women's Residence Halls)	Excel Manufacturing Corp., Muncie, Ind.	6 261 75 f.o.b. delivered
150 20-in. gas ranges with thermostatically controlled oven, automatic lighting-top burners, and 36 in. AGA approved flexible connectors	Housing Division (Family Housing Units)	Athens Stove Co., Athens, Tenn.	8 244 72 f.o.b. delivered
500 tons (approximately) pea size coke to be delivered directly to bus at various Housing Division locations during the 1960-61 heating season	Housing Division	Mooney Coal Co., Urbana	13 075 00 total estimated expenditure
Laundry service for sheets and pillow cases for Men's Residence Halls, for the period September 1, 1960, through June 30, 1961	Housing Division	Shelton Laundry, Urbana	3 725 04 f.o.b. delivered
78 dozen ladies uniforms	Housing Division (Central Food Stores Building)	Angelica Uniform Co., Chicago	2 754 00 f.o.b. delivered
Nine dozen aprons			
One school bus, 60-passenger, to replace vehicle No. 768, a 1947 Studebaker 40-passenger school bus	Institute of Aviation	Courtesy Motor Sales, Inc., Chicago	2 952 13 delivered to body manufacturer
		McCabe-Powers Body Co., St. Louis, Mo.	
		School bus body, mounted on the chassis purchased from Courtesy Motor Sales	2 439 19 delivered to Airport at Savoy
Pallet racks consisting of: 72 uprights, 114 in. x 36 in. 196 horizontal beams, 114 in. long 28 horizontal beams, 60 in. long 24 cross ties, 6 in. long	Physical Plant (Central Food Stores Building)	H. W. Carpenter Co., Peoria	3 490 00 f.o.b. delivered
Furnish and install 412 wall-hung bookshelves for Student Residence Hall	Physical Plant Planning Office	Walrus Manufacturing Co., Decatur	12 209 96 furnished and installed
Services of engineer for inspection and supervision of overhaul of General Electric turbine-generator No. 109143 (Unit No. 5) at Abbott Power Plant beginning August 1, 1960	Physical Plant	General Electric Co., St. Louis, Mo.	3 500 00 total estimated cost
Labor and materials to apply the following approximate quantities of asphalt road building materials on Florida Avenue between Fourth Street and Virginia Drive: 3,600 gallons MCO prime 10,000 gallons MCS asphalt 200 tons ¾ in. cover aggregate 200 tons ¾ in. seal aggregate	Physical Plant	Parro Construction Corp., Urbana	4 688 00 f.o.b. job site
Labor and materials to apply the following approximate quantities of road building materials to eighteen different job sites in campus area: 12,500 gallons E4 road oil, 4,000 gallons E3 road oil, 4,500 gallons MCO prime, 16,000 gallons MCS asphalt, 160 tons ¾ in. cover aggregate, and 500 tons ¾ in. seal aggregate	Physical Plant	Parro Construction Corp., Urbana	10 026 00 f.o.b. job site

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Builder's risk insurance under a completed value form on an estimated \$2,013,000 insurable cost of construction for 19 buildings known as the Orchard Downs Apartments; insurance to be carried for an estimated two years during the course of construction with a total premium for the two years estimated at \$3,483.54 of which \$1,825.99 will be payable the first year	Physical Plant	Capen Insurance Agency, Bloomington, representing the Kansas City Fire & Marine Insurance Co. Maue Insurance Agency, Breese, representing the Employers Mutual Casualty Co. (Estimated two-year premium 3 483 54)	\$ 2 638 88  844 66

### *Chicago Colleges and Divisions*

Four model No. 51-54-6-5-1L (CCX) CC-TC-1C-CS-1 National Cash Registers less trade-in allowance of \$650 for one National Cash Register	Bookstore	National Cash Register Co., Chicago	6 140 00 delivered and installed
One analytical ultracentrifuge and accessories	Biochemistry	Beckman Instruments, Inc., Spinco Division, Chicago	24 432 08 delivered
One lot of laboratory supplies consisting of 312 packages of filter paper, 500 books of lens paper, 12 diamond marking pencils, 1,080 pharmaceutical graduates, 252 packages of corks, 72 rolls of parafilm, 888 plastic bottles, 3,680 pints of reagent chemicals, and 400 cases of Pyrex laboratory glassware	General Stores	Chicago Apparatus Co., Chicago	13 785 61 delivered
Ten monocular microscopes, less trade-in of two used microscopes	Microbiology	Scientific Products Division, Evanston	2 810 14 delivered
One X-ray projector with two distance lenses	Radiology	Gordon Consultants, New York, N.Y.	3 650 00 delivered
20,000 tetracycline capsules, 250 mg., approximately three months supply	Research and Educational Hospitals	Charles F. Pfizer & Co., Chicago	3 622 00 delivered
One biplane changer 10 in. x 12 in. and 14 in. x 14 in.	Research and Educational Hospitals	Winfield, Inc., Chicago Item 1	16 312 00
One biplane changer 10 in. x 12 in.		Standard X-Ray Co., Chicago Item 2	9 890 00 delivered and installed
One wireless paging system, consisting of a transmitter system and 140 pocket receivers	Research and Educational Hospitals	Boom Electric Corp., Chicago	21 832 00 delivered

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

### COMPTROLLER'S REPORT OF CONTRACTS

(41) The Comptroller's report of contracts executed during the period June 1 to 30, 1960.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Armour Pharmaceutical Co.	Pharmacological characterization of new drugs potentially useful in veterinary medicine	\$ 6 440 00	June 15, 1960
Chicago-Land Commerce and Industry Exposition, Inc.	Use of certain facilities and areas at Navy Pier	55 00 per day, June 4 to August 5, 1960	March 23, 1960
Gregory Industries, Inc.	Fatigue of members with welded studs	10 000 00	June 14, 1960
Hess & Clark, Inc.	Effect of furazolidone (Nf-180) on the livability and growth of milk	6 600 00	June 28, 1960
Hilton Hotels Corp.	Use of certain facilities and areas at Navy Pier	Not more than 3 315 00	June 17, 1960
Purdue Research Foundation	Planning, conducting, and evaluating a midwest program on airborne television instruction	16 873 44 plus mileage at .08 cents per mile	June 16, 1960
State of Illinois Cities and Villages Municipal Problems Commission	Analysis of and codification of the "Revised Cities and Villages Act"	38 000 00	May 23, 1960
State of Illinois Department of Agriculture	Pricing and trading practices for Illinois hogs	60 000 00	March 3, 1960

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Army DA-ORD-18	Super conducting metals	\$70 760 00	September 1, 1960
United States Atomic Energy Commission AT(11-1)-903	Mechanism of biologically catalyzed reactions and the metabolites and pathways in which they function	12 500 00	June 7, 1960
United States Atomic Energy Commission AT(11-1)-915	Crystallization of lead titanate from glasses in the PbO-TiO <sub>2</sub> -SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> system	20 000 00	June 7, 1960
United States Department of Agriculture 12-14-100-4532(73)	Chemical nature of compounds influencing flavor changes in concentrated sterile milk	24 988 00	May 19, 1960
United States Navy N228-50451	Academic instruction of officer students	3 150 00	July 1, 1960
United States Navy Nonr-1834(33)	Concept invention	12 000 00	June 15, 1960
United States Navy Nonr-3134(00)	Ultrasound in biology and medicine	5 700 00	June 15, 1960

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
American Federation of Arts	Exhibition of "Emerson's New England" at Navy Pier, from November 10 to 30, 1960	\$ 25 00	May 16, 1960
Smithsonian Institution	Exhibition of "Brasilia" at Navy Pier from March 1 to 26, 1961	250 00	May 17, 1960
Smithsonian Institution	Exhibition of "The Seasons" at Navy Pier from May 1 to 31, 1961	125 00	May 31, 1960
State's Attorney of DeKalb County	Services rendered in lieu of taxes (Wright Farms)	4 626 55	June 3, 1960
State's Attorney of Douglas County	Services rendered in lieu of taxes (Hackett Farm)	1 249 82	June 2, 1960
State's Attorney of La Salle County	Services rendered in lieu of taxes (Weber Farms)	3 707 46	June 27, 1960
State's Attorney of Moultrie County	Services rendered in lieu of taxes (Hackett Farm)	868 42	June 2, 1960
State's Attorney of Piatt County	Services rendered in lieu of taxes (Allerton and Warren Farms)	12 207 93	June 21, 1960

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Deere Plow Co.	Rental of farm machinery — two items: \$48.57 and \$725.99 annually	\$ 774 56	June, 1960
International Harvester Co.	Rental of farm machinery — seven items: \$89.99 to \$1,220.36 annually	2 950 86	May and June, 1960
MacCarthy Ford Tractor Sales, Inc.	Rental of farm machinery — four items: \$48.00 to \$507.00 annually	1 174 60	April and June, 1960

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Illinois Archaeological Survey	Preliminary archaeological site examination, stage 2	\$ 800 00	June 15, 1960
State of Illinois Department of Public Welfare, Project No. 1723	Psychosomatic differentiation in infancy	1 500 00	May 13, 1960
State of Illinois Department of Public Welfare, Project No. 1724	Exploring the psychological factors in psychosomatic diseases of children	11 146 00	January 1, 1960
United States Army DA-11-022-ORD-1001	Conduction of electricity in solids	50 000 00	June 16, 1960
United States Army DA-11-022-ORD-1983	Problems relating to the synthesis of one and two terminal-pair networks	18 150 00	June 16, 1960
United States Army DA-11-022-ORD-2772	Reactions of nitrogen II oxide	8 564 00	June 16, 1960
United States Army DA-11-022-ORD-3134	Superconductive metals	3 000 00	June 15, 1960
United States Army DA-11-070-508-ORD-593	Launcher dynamics and rocket launcher design	44 977 81	June 16, 1960
United States Army DA-49-007-MD-877	Context effects in psychophysical judgments	3 000 00	June 15, 1960

With Whom	Purpose	Amount to be Paid to the University	Effective Date
United States Atomic Energy Commission AT(11-1)-67, Project No. 20	Fatigue behavior of dilute nitrogen	\$23 719 00	May 31, 1960
United States Atomic Energy Commission AT(11-1)-67, Project No. 22	Unclassified resonance studies on paramagnetic crystals	44 750 00	June 1, 1960
United States Atomic Energy Commission AT(11-1)-791	Effect of X-ray irradiation on the enzymatic activity and nucleic acid metabolism in seeds and seedlings of Zea mays	18 000 00	June 6, 1960
United States Department of Health, Education, and Welfare, Office of Education SAE 8367, Project No. 702	Effects on use of tests by teachers trained in a summer institute	5 290 00	April 19, 1960
United States Navy Nonr-1834(03)	Methods of analysis of structural and machine elements	40 000 00	May 19, 1960
United States Navy Nonr-1834(07)	Physiological function of vitamin B in invertebrates	5 333 00	May 12, 1960
United States Navy Nobor-64723	Confidential	114 063 00	May 12, 1960

#### Adjustments Made in 1959-60 Cost-Plus Contract

With Whom	Purpose	Amount	Date
Harry F. Fisher (Plastering)	Twenty-one items: \$699.85 deduct to \$674.00	\$ 1 758 63	May and June, 1960

This report was received for record.

#### STATUS OF OPERATING FUNDS FOR THE DIVISION OF SERVICES FOR CRIPPLED CHILDREN

(42) The Division of Services for Crippled Children, since its establishment as the official medical care agency for crippled children in Illinois, has recognized polio patients as an eligible category for specialized services under its program. This responsibility is recorded in the official state plan which documents the organization and operation of the Division and which is filed with the Children's Bureau in accordance with regulations of the Department of Health, Education, and Welfare, relating to federal matching grants.

During the early years of the Division, polio patients formed a major group receiving attention and represented a substantial portion of its expenditures. With the increasing success of the fund drives of the National Foundation for Infantile Paralysis (now officially known as the National Foundation), the burden of providing financial support for most polio patients was shifted, beginning in the late 1940's, to the National Foundation. It was the Foundation's declared policy to meet the needs of polio patients through the funds raised in the annual "March of Dimes" campaign and thereby supplant tax funds for the same purpose, wherever possible.

In the state of Illinois the National Foundation's county chapters accepted this obligation and continued to provide the major financial support for treatment of polio patients throughout the 1950's. During this period, the Division of Services for Crippled Children expenditures for polio patients decreased from approximately \$200,000 in 1952 to approximately \$10,000 in 1959. Medical care planning for over one thousand polio patients annually was carried on through statewide clinics maintained by this Division with financial support provided by the National Foundation chapters. The Division of Services for Crippled Children funds were used only when a given chapter could not provide further support, usually due to exhaustion of its locally collected funds.

Subsequent to the development of the Salk vaccine, the National Foundation experienced some changes. Its annual drives for funds became less successful, and have produced considerably below their expectations each year. This decline in fund raising on the part of the National Foundation reflects a public image of poliomyelitis as a disease that has been conquered. In part, perhaps, the declining fiscal support may be related to the change in the name of the Foundation and its changed purpose announced approximately two years ago, its current name being "National Foundation," eliminating "for Infantile Paralysis."



In addition to concern for poliomyelitis, the organization has extended its interest to include other crippling diseases, particularly at the outset, birth defects and rheumatoid arthritis, and with specific attention to professional education and research and somewhat less emphasis on patient care services, which had so strongly characterized the program of the National Foundation for Infantile Paralysis in its previous operations.

Another fundamental change in the National Foundation's new program was the transfer of responsibility for patient aid to other sources of funds than the National Foundation itself. This change was first announced in May of 1959, and reaffirmed in March of 1960. It emphasized that the National Foundation's resources were not unlimited to deal with all patient-aid problems; consequently, chapter aid was being limited to patients in certain priority groups who were not eligible for adequate care from any other source.

The changes in the National Foundation policy were originally undertaken without reference to official state agencies or to the effects such a change would have on their operations in terms of previously determined plans. The Division of Services for Crippled Children had no forewarning of this impending situation, nor was there any knowledge of the impending shortage of funds in the local county chapters of the National Foundation at the time the budget for the 1959-61 biennium was established. At present, approximately one-half of the state's chapters are without significant funds or are in a deficit status.

The result of these changes has meant that the Division has received an increasing volume of requests from physicians, hospitals, parents, and other agencies throughout the state for financial support and services to polio patients beyond the extent of the obligations undertaken by the Division under the long-standing arrangement with the National Foundation. While the Division of Services for Crippled Children did not anticipate during the current biennium the necessity for incurring costs for services to most of these children, authorization for their care has been given since they are eligible under the state plan for such care. The result of these unanticipated needs is difficult to assess at this time. A conservative estimate indicates that, if the Division of Services for Crippled Children continues to accept those cases which are qualified for its program, the need for expenditures may exceed current appropriations by as much as \$200,000. If, for any reason, the need for patient care is accelerated during the coming year and it is shown that the individual county chapters of the National Foundation are financially unable to meet the need, the excess of needed expenditures over current appropriations could amount to as much as \$400,000.

While it is too early to make a precise estimate of the need for additional funds during this biennium, if present trends continue and if the University, through the Division of Services for Crippled Children, continues to accept those cases which are in need of its services and entitled to them, an emergency supplementary appropriation of from \$200,000 to \$400,000 may have to be requested at the next session of the General Assembly.

President Henry presented Dr. Edward F. Lis, Director of the Division of Services for Crippled Children, who discussed the foregoing report and answered questions.

This report was received for record.

At this point Mr. Hughes left the meeting.

#### **REPORT OF A STUDY OF THE POSSIBILITY OF FULL-SCALE OPERATION OF THE UNIVERSITY DURING TWELVE MONTHS OF THE YEAR**

(43) In view of public interest in the subject, and inquiries received from some members of the Board of Trustees, a study was undertaken at the request of the President and the Vice-President and Provost of the University of the possibilities of increasing utilization of the present facilities of the University to the following extent and the problems therein.

The University would maintain as full an enrollment as possible, a complete staff, and full operation of all buildings during twelve months of the year.

The University plant would operate for instructional purposes from 8:00 a.m. until 9:00 p.m. Monday through Friday and from 8:00 a.m. to 1:00 p.m. on Saturday.

This study was directed by Associate Dean Gibbon Butler of the College of Liberal Arts and Sciences, and a report was submitted, copies of which were sent to all members of the Board of Trustees. In the study and in the preparation of the report, Dean Butler had the advice of the deans of the colleges, the directors of the schools and institutes, and other University officers with major administrative responsibilities.

President Henry presented Dean Butler who discussed the report and answered questions.

A copy of the report was filed with the Secretary of the Board for record. At the request of Mrs. Watkins, the Secretary was directed to send copies of the report to all members of the Illinois Commission of Higher Education and to delegates to the Commission.

#### **BUILDING PROGRAM FOR 1961-63**

(44) Submitted herewith is the proposed building program for the biennium of 1961-63. It is based upon the recommendations of the University Building Program Committee and consultation with the University Council.

I recommend that the Board of Trustees approve this building program for 1961-63 for presentation to the Department of Finance, the Illinois Budgetary Commission, and other state officers and committees of the Seventy-second 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 discussing the program with state officials.

State law requires that the University file with the Department of Finance no later than November 1 estimates of income and expenses from state appropriations for the biennium beginning the following July. The operating budget to be recommended from state appropriations for the biennium of 1961-63 will be presented to the Board of Trustees at a later meeting.

The report of the University Building Program had been submitted to members of the Board of Trustees for study in advance of today's meeting. Professor Norman A. Parker, Chairman of the Committee, had previously made preliminary reports to the Committee on Buildings and Grounds at meetings in May and June, and he now formally presented the report with the recommendations of his Committee and the concurrence of the President of the University.

Following this presentation and discussion, on motion of Mr. Swain, the recommendations were approved and authority was given as requested. This action was taken by the following vote: Aye, Mr. Harewood, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton; Mr. Hughes was present during most of the meeting but was absent when this matter was considered and the vote taken.

The report appears as an appendix to these minutes on pages 73 to 88.

#### **NONSALARIED FACULTY OF THE COLLEGE OF MEDICINE, 1960-61**

(45) I present the following list of appointments to the nonsalaried faculty of the College of Medicine for the academic year beginning September 1, 1960, 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, 1960, unless otherwise stated. New appointments are so indicated.

<i>Department</i>	<i>Summary</i>	<i>1959-60</i>	<i>1960-61</i>
Anatomy.....		8	8 (1)*
Biological Chemistry.....		6	8
Clinical Science.....		6	6
Dermatology.....		25 (2)	23 (1)
Medical Social Work.....		4	3
Medicine.....		267 (19)	284 (21)
Microbiology.....		3	3 (1)
Neurology and Neurological Surgery.....		17	12
Obstetrics and Gynaecology.....		95 (3)	96 (4)
Ophthalmology.....		69 (2)	69 (5)
Orthopaedic Surgery.....		31 (1)	32 (1)
Otolaryngology.....		68 (6)	67 (6)
Pathology.....		35 (1)	38 (2)
Pediatrics.....		62 (4)	58 (6)
Pharmacology.....		2	2
Physical Medicine and Rehabilitation.....		3	2
Physiology.....		4	4
Preventive Medicine.....		5 (1)	7 (1)
Psychiatry.....		108 (3)	102 (3)
Public Health.....		7	8
Radiology.....		22	27
Surgery (including Urology and Anesthesiology).....		207 (12)	218 (11)
<i>Total</i> .....		1 054 (54)	1 077 (63)

### **Anatomy**

GUSTAV ZECHEL, Lecturer with rank of Associate Professor, *Emeritus*  
 PHILIP A. CASELLA, Clinical Assistant Professor  
 ARTHUR F. CIPOLLA, Clinical Assistant Professor  
 LAWRENCE G. KHEDDOO, Clinical Assistant Professor  
 FRANK A. VICARI, Clinical Assistant Professor  
 H. PAUL CARSTENS, Research Associate  
 ARTHUR T. HAEBICH, Research Associate  
 FAITH W. LAVELLE, Research Associate

### **Biological Chemistry**

MAX K. HORWITT, Associate Professor  
 HOWARD H. SKY-PECK, Assistant Professor  
 GORDON S. STEWART, Assistant Professor  
 IRVING LYON, Assistant Professor  
 ABRAHAM S. MARKOWITZ, Assistant Professor  
 HERMANN G. MATTENHEIMER, Assistant Professor  
 RICHARD D. COLEMAN, Instructor  
 ALVIN J. GLASKY, Instructor

### **Clinical Science**

KAO HWANG, Clinical Assistant Professor  
 TSUNG-MIN LIN, Assistant Professor  
 E. RHODA GRANT, Research Associate  
 HERBERT KAHN, Research Associate  
 GEORGE E. PARK, Research Associate  
 DANIEL S. STEVENS, Research Associate

### **Dermatology**

JAMES H. MITCHELL, Clinical Professor (Rush), *Emeritus*<sup>1</sup>  
 LEONARD F. WEBER, Clinical Professor

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

<sup>1</sup> The designation (Rush) in a title is used to identify former members of the Rush Medical College faculty who were taken over by the University in 1941 as part of the affiliation with the Presbyterian Hospital by authority of the Board of Trustees.

<sup>2</sup> Also Resident at Research and Educational Hospitals.

<sup>3</sup> Also Resident at Presbyterian-St. Luke's Hospital.

<sup>4</sup> Also Resident at Research and Educational Hospitals and Illinois Eye and Ear Infirmary.

<sup>5</sup> Also Resident at Research and Educational Hospitals assigned to Illinois Juvenile Research.

CLARK W. FINNERUD, Clinical Associate Professor (Rush)  
 PAUL R. GRIFFITH, Clinical Associate Professor  
 JOHN B. HAEERLIN, JR., Clinical Associate Professor  
 IRENE NEUHAUSER, Clinical Associate Professor  
 MILTON ROBIN, 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  
 LOUIS RUBIN, Clinical Assistant Professor  
 BERNARD YAFFE, Clinical Assistant Professor  
 FRANCIS W. HETREED, Clinical Associate  
 RICHARD M. OLIVER, Clinical Associate  
 EDWIN M. SMITH, Clinical Associate  
 OTTO C. STEGMAIER, Research Associate  
 STEFAN, BIELINSKI, Clinical Instructor  
 ALLEN S. PEARL, JR., Clinical Instructor  
 HAROLD M. SPINKA, Clinical Instructor  
 JACK M. FOX, Assistant<sup>†</sup>  
 MARTIN L. GECHT, Clinical Assistant  
 ROBERT H. HARDING, Clinical Assistant

#### Medical Social Work

JOSEPHINE G. TAYLOR, Assistant Professor  
 CORDELIA D. DERRICOTE, Instructor  
 JEAN Y. SERIKAKU, Instructor

#### Medicine

WALTER C. ALVAREZ, Lecturer with rank of Professor, *Emeritus*  
 AARON ARKIN, Clinical Professor (Rush), *Emeritus*  
 MORRIS FISHBEIN, Lecturer with rank of Professor (Rush), *Emeritus*  
 ELLIS B. FREILICH, Clinical Professor, *Emeritus*  
 WILLIAM G. HIBBS, Clinical Professor (Rush), *Emeritus*  
 WILBER E. POST, Clinical Professor (Rush), *Emeritus*  
 SIDNEY STRAUSS, Clinical Professor, *Emeritus*  
 WILLIAM A. THOMAS, Clinical Professor (Rush), *Emeritus*  
 ALBERT VANDERKLOOT, Clinical Professor, *Emeritus*  
 S. HOWARD ARMSTRONG, JR., Professor  
 JAMES A. CAMPBELL, Professor  
 JAMES B. EYERLY, Clinical Professor (Rush)  
 WILLIAM S. HOFFMAN, Lecturer with rank of Professor  
 FRANK B. KELLY, Clinical Professor (Rush)  
 HAROLD C. LUETH, Clinical Professor  
 KARL H. PFUETZE, Clinical Professor  
 BEN Z. RAPPAPORT, Clinical Professor  
 THEODORE B. SCHWARTZ, Professor  
 LEROY H. SLOAN, Clinical Professor  
 BENJAMIN GOLDBERG, Clinical Associate Professor, *Emeritus*  
 ALVA A. KNIGHT, Clinical Associate Professor (Rush), *Emeritus*  
 FRANK B. LUSK, Clinical Associate Professor, *Emeritus*  
 SAMUEL PERLSTEIN, Clinical Associate Professor, *Emeritus*  
 HOWARD M. SHEAFF, Clinical Associate Professor (Rush), *Emeritus*  
 HOWARD WAKEFIELD, Clinical Associate Professor, *Emeritus*  
 MELVIN L. AFREMOW, 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  
 JOHN S. GRAETTINGER, Associate Professor  
 EARLE GRAY, Clinical Associate Professor (Rush)  
 PAUL HELLER, Associate Professor  
 EDWIN N. IRONS, Clinical Associate Professor

ROY J. KORN, Associate Professor  
ROBERT O. LEVITY, Clinical Associate Professor  
MEYER R. LICHTENSTEIN, Clinical Associate Professor  
ARMAND LITTMAN, Associate Professor  
CLAYTON J. LUNDY, Clinical Associate Professor (Rush)  
J. CHARLES McMILLAN, Jr., Clinical Associate Professor  
MILTON M. MOSKO, Clinical Associate Professor  
JEROME T. PAUL, Clinical Associate Professor  
OGLESBY PAUL, Clinical Associate Professor  
ISADORE PILOT, Clinical Associate Professor  
THEODORE Z. POLLEY, Clinical Associate Professor  
SAMUEL H. ROSENBLUM, Clinical Associate Professor  
WILLIAM SAPHIR, Clinical Associate Professor  
JAMES A. SCHOENBERGER, Clinical Associate Professor  
MITCHELL A. SPELLBERG, Clinical Associate Professor  
IRVING E. STECK, Clinical Associate Professor  
GEORGE W. STUPPY, Clinical Associate Professor (Rush)  
EUGENE F. TRAUT, Clinical Associate Professor (Rush)  
RALPH W. TRIMMER, Clinical Associate Professor (Rush)  
FRANK E. TROBAUGH, Jr., Associate Professor  
WILLARD L. WOOD, Clinical Associate Professor (Rush)  
LEO E. AMTMAN, Clinical Assistant Professor, *Emeritus*  
JOHN A. GARDINER, Clinical Assistant Professor (Rush), *Emeritus*  
BENJAMIN H. HILKEVITCH, Clinical Assistant Professor (Rush), *Emeritus*  
OSMUND H. AKRE, Clinical Assistant Professor  
RAY F. BEERS, Jr., Clinical Assistant Professor  
MAX BERG, Clinical Assistant Professor  
LIONEL M. BERNSTEIN, Assistant Professor  
GEORGE H. BERRYMAN, Clinical Assistant Professor  
HERBERT C. BREUHAUS, Clinical Assistant Professor (Rush)  
DAVID BRONSKY, Clinical Assistant Professor  
RALPH G. BROWN, Clinical Assistant Professor  
GEORGE V. BYFIELD, Clinical Assistant Professor  
ROBERT W. CARTON, Clinical Assistant Professor  
MELVIN M. CHERTACK, 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  
GERHARD FREUND, Clinical Assistant Professor  
CLARENCE L. GANTT, Clinical Assistant Professor  
RAYMOND M. GALT, Clinical Assistant Professor  
ROLF GUNNAR, Clinical Assistant Professor  
AARON GUNTHER, Clinical Assistant Professor  
BUPFORD HALL, Clinical Assistant Professor  
WILLIAM J. HAND, Clinical Assistant Professor  
HARRY L. HUNTER, Clinical Assistant Professor  
ERVIN KAPLAN, Clinical Assistant Professor  
ROLAND L. KESLER, Clinical Assistant Professor (Rush)  
JANET R. KINNEY, Clinical Assistant Professor  
SYDNEY KOFMAN, 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  
JEROME S. MEHLMAN, Clinical Assistant Professor  
ROBERT C. MUEHRCKE, Clinical Assistant Professor  
JOSEPH J. MUENSTER, Jr., Assistant Professor  
JOHN R. NECHELES, Clinical Assistant Professor  
BERTRAM G. NELSON, Clinical Assistant Professor (Rush)  
LAWRENCE PERLMAN, Clinical Assistant Professor  
VICTOR E. POLLAK, Research Assistant Professor

ROBERT M. POSKE, Clinical Assistant Professor  
JOHN POST, Clinical Assistant Professor (Rush)  
OLDRICH PREC, Lecturer with rank of Assistant Professor  
MARJORIE M. PYLE, Clinical Assistant Professor  
EUGENE J. RANKE, 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)  
JOHN T. SHARP, Clinical Assistant Professor  
ELIZABETH K. STRAUS, Lecturer with rank of Assistant Professor (Rush)  
GRAHAM A. VANCE, Clinical Assistant Professor  
SEYMOUR W. WEISBERG, Clinical Assistant Professor  
GERALD A. WILLIAMS, Clinical Assistant Professor  
EDWARD O. WILLOUGHBY, Clinical Assistant Professor  
EDWARD J. WISS, Clinical Assistant Professor  
ALEXANDER WOLF, Clinical Assistant Professor  
SIMON ZIVIN, Clinical Assistant Professor  
EUGENE GROSZ, Clinical Associate, *Emeritus*  
ROBERT N. HEDGES, Clinical Associate, *Emeritus*  
J. LISLE WILLIAMS, Associate, *Emeritus*  
GEORGE P. BALLARD, Clinical Associate  
ROBERT J. BECKER, Clinical Associate  
ALBIN M. BRIXEV, JR., Clinical Associate  
JOSEPH A. DAVIS, Clinical Associate  
ALESSANDRO EMANUELI, Research Associate (fourteen months from July 1, 1960)  
BENJAMIN W. FOX, Clinical Associate  
DONALD T. FOXWORTHY, Clinical Associate  
ROBERT C. FRUIN, Clinical Associate  
MORTON A. GOLDMANN, Clinical Associate  
LUKE J. GRIMELLI, Clinical Associate  
CARL A. HEDBLUM, JR., Clinical Associate  
WILLIAM H. HIGHSTONE, Clinical Associate  
WALTER F. HOEPPNER, Clinical Associate  
BENJAMIN M. KAPLAN, Clinical Associate  
WILLIAM J. KIRBY, Clinical Associate (Rush)  
BRUCE D. LEE, Clinical Associate  
AUDLEY R. MAMBY, Clinical Associate  
LESTER A. NALEFSKI, Clinical Associate  
DONALD E. O'BRIEN, Clinical Associate  
HELEN L. RHETTA, Clinical Associate  
RIGBY C. ROSKELLEY, Clinical Associate  
SEYMOUR R. SALBERG, Clinical Associate  
RALPH A. SCALA, Clinical Associate  
CHARLES S. VIL, Clinical Associate  
HAROLD M. SCHOOLMAN, Clinical Associate (on leave of absence)  
MAURICE M. ALBALA, Clinical Instructor  
C. CLYDE ANDERSON, Instructor (one year from July 1, 1960)\*  
WILLIAM J. ANDREWS, Clinical Instructor  
BERTHE E. ARMSTRONG, Clinical Instructor  
MARY B. BACKER, Clinical Instructor (fourteen months from July 1, 1960)  
DAVID BALDWIN, Clinical Instructor  
SAMUEL BERGER, Clinical Instructor  
HERBERT E. BESSINGER, Clinical Instructor  
WILLIAM E. BRETZ, Clinical Instructor  
ERNEST R. BROOKS, Clinical Instructor  
WILLIAM C. BROWN, Clinical Instructor  
FRANK C. CARTER, Clinical Instructor  
JOHN L. CIRZAN, Clinical Instructor  
G. WILLIAM COTTS, Clinical Instructor  
THOMAS D. DALE, JR., Clinical Instructor  
J. CALVIN DAVIS III, Instructor (one year from July 1, 1960)\*  
ROBERT E. DEDMON, Instructor (one year from July 1, 1960)

GEORGE A. DEJONG, Clinical Instructor  
JOHN A. DETWEILER, Clinical Instructor  
HENRY D. DEYOUNG, Clinical Instructor  
MICHAEL M. DIGILIO, Clinical Instructor  
DEAN F. DIMICK, Clinical Instructor  
ROBERT E. ECKLUND, Instructor (one year from July 1, 1960)\*  
PETER J. FARAGO, Clinical Instructor  
ROBERT E. FELIX, Instructor  
THOMAS J. FITZPATRICK, Clinical Instructor  
GEORGE C. FLANAGAN, Instructor (on leave of absence for military service) (one year from July 1, 1960)  
RONALD E. FOX, Clinical Instructor  
WILLIAM I. FREUD, Clinical Instructor  
RAYMONDS G. GAILITIS, Clinical Instructor  
WILLIAM R. GARR, Clinical Instructor  
CARL A. GEBUHR, Clinical Instructor  
IRVING GREENSPAN, Clinical Instructor (on leave of absence)  
THOMAS H. HAYES, Clinical Instructor  
ROBERT N. HEDGES, JR., Clinical Instructor  
ROBERT L. HERTING, Clinical Instructor  
ALLEN HOFFMAN, Clinical Instructor  
NATHAN J. IGLITZEN, Clinical Instructor  
MOHAMMAD INAYATULLAH, Instructor (one year from July 1, 1960)  
RODNEY A. JAMIESON, Clinical Instructor  
HAROLD L. JENSEN, Clinical Instructor  
LOUIS C. JOHNSTON, Clinical Instructor  
FRANK W. JONES, Clinical Instructor  
JOHN C. JONES, Clinical Instructor  
PHILIP N. JONES, Clinical Instructor  
IRENE G. KAGANIEC, Clinical Instructor  
ROBERT S. KASSRIEL, Clinical Instructor  
FRANK B. KELLY, JR., Clinical Instructor  
WALLACE W. KIRKLAND, JR., Clinical Instructor  
JOHN C. KULIS, Clinical Instructor  
EDWARD A. LICHTER, Instructor (one year from July 1, 1960)\*  
RANDALL L. MANN, Clinical Instructor  
JULIO MARSI, Clinical Instructor  
SAMUEL MATLIN, Clinical Instructor  
PETER S. MAYER, Clinical Instructor  
WILLIAM R. MCCABE, Instructor (fourteen months from July 1, 1960)  
VIDVUDS MEDENIS, Clinical Instructor  
PAUL A. MEREDITH, Clinical Instructor  
MORGAN M. MEYER, Clinical Instructor  
THOMAS MORRISON, Clinical Instructor  
LOUIS M. NEWTON, Instructor (one year from July 1, 1960)  
JOSEPH R. NORA, Clinical Instructor  
JOSHUA ODEN, JR., Clinical Instructor  
LEONARD OHRINGER, Clinical Instructor  
RALPH PACINI, Clinical Instructor  
LUBEN C. PENEV, Clinical Instructor  
CHARLES P. PERLIA, Clinical Instructor  
WILLIAM H. PHELAN, Instructor  
FRANK E. PRESTIPINO, Clinical Instructor (fourteen months from July 1, 1960)  
GLOUCESTER A. PRICE, JR., Clinical Instructor  
ANITA ROBBINS, Clinical Instructor  
DEAN S. ROSSET, Clinical Instructor  
ROGER R. SCHUESSLER, Instructor (one year from July 1, 1960)\*  
WILLIAM K. SCUPHAM, Clinical Instructor  
JAMES P. SHOMAKER, Instructor (one year from July 1, 1960)\*  
VITOLDS R. SILINS, Instructor (one year from July 1, 1960)\*  
ROBERT E. SLAYTON, Clinical Instructor  
LEONARD S. SLUZVNSKI, Clinical Instructor  
CLIFFORD W. SMITH, Clinical Instructor

MARSHALL J. SNAPP, Clinical Instructor  
 SOLOMON SOBEL, Instructor (one year from July 1, 1960)<sup>2</sup>  
 WILLIAM R. STARR, Clinical Instructor  
 HARRY B. STONE, Clinical Instructor  
 JEROME F. STRAUSS, JR., Clinical Instructor  
 DONALD W. TARUN, Clinical Instructor  
 MARIAN S. TARZYNSKI, Clinical Instructor (fourteen months from July 1, 1960)  
 KASRIEL TAUSK, Clinical Instructor  
 RAYMOND TEPLITZ, Clinical Instructor  
 CHESTER B. THRIFT, Clinical Instructor  
 ANGELO TOIGO, Clinical Instructor  
 ALSTON C. TWISS, Clinical Instructor  
 EARL A. VONDRASEK, Clinical Instructor  
 JACK WILLIAMS, Clinical Instructor  
 PAUL L. WINTER, Instructor (one year from July 1, 1960)<sup>2</sup>  
 CHARLES K. WOLFE, JR., Clinical Instructor  
 JAMES R. ZVETINA, Clinical Instructor  
 EARL T. ANDERSON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 FRANK O. BECKER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN D. BEST, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ALLEN F. BOWYER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 EMANUEL O. BRAMS, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOSEPH T. BRANIT, Clinical Assistant  
 WILLIAM A. CARO, Assistant (one year from July 1, 1960)<sup>2</sup>  
 NEIL S. CHERNIACK, Assistant (one year from July 1, 1960)<sup>2</sup>  
 KENNETH COHEN, Clinical Assistant  
 DONALD E. DARLING, Clinical Assistant (on leave of absence for military service)  
 ROBERT L. DEVETSKI, Assistant (one year from July 1, 1960)<sup>2</sup>  
 CHARLES M. ELWOOD, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN E. FORAN, Clinical Assistant  
 RICHARD P. FOTH, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOSEPH S. GONNELLA, Assistant (one year from July 1, 1960)<sup>2</sup>  
 GERHARD H. HAASE, Clinical Assistant  
 JEROME L. HANDLER, Clinical Assistant  
 MEILUTE A. INDREIKA, Clinical Assistant  
 SHELDON M. KAHN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 LARRY M. KEER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 NICHOLAS KEPALIDES, Assistant (one year from July 1, 1960)<sup>2</sup>  
 THOMAS L. KEMPER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 CHARLES W. KOIVUN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 WILLIAM T. LAMPE II, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JAMES R. LAWRENCE, Assistant (seven months from September 1, 1960)  
 JOHN LOCKHART, Assistant (one year from July 1, 1960)<sup>2</sup>  
 PATRICIA A. MCCREARY, Clinical Assistant  
 HOWARD A. MUELLER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ROBERT F. O'BOYLE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 CHARLES H. PATTON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 MARVIN S. ROSENBERG, Clinical Assistant (on leave of absence for military service)  
 DAVID RUSH, Assistant (one year from July 1, 1960)<sup>2</sup>  
 RICHARD J. SASSETTI, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ANTHONY M. SCARDINO, Clinical Assistant (on leave of absence for military service)  
 JAY SILVERMAN, Assistant (one year from July 1, 1960)  
 SHELDON J. SLODKI, Clinical Assistant  
 VINCENT STAUNTON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN C. STUTZMAN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ALF M. TANNENBERG, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JAMES D. WISMAR, Assistant (one year from July 1, 1960)<sup>2</sup>

#### Microbiology

GEORGE F. FORSTER, Lecturer with rank of Assistant Professor  
 RALPH H. HUBBLE, Lecturer with rank of Instructor  
 ELTA W. KNOLL, Assistant, *Emerita*



**Neurology and Neurological Surgery**

LOREN W. AVERY, Clinical Professor (Rush)  
ARTHUR ARNOLD, Clinical Assistant Professor  
NATHAN ZOLT, Clinical Associate  
VIRGINIA R. SORUM, Clinical Instructor  
PATRICK W. ELWOOD, Assistant<sup>2</sup>  
ALLAN E. KAGEN, Assistant<sup>2</sup>  
PHILIPP M. LIPPE, Assistant<sup>2</sup>  
SUAT G. PIROGLU, Assistant<sup>2</sup>  
ROY C. SELBY, Jr., Assistant<sup>2</sup>  
ELI TOBIAS, Assistant<sup>2</sup>  
GORO TSUCHIYA, Assistant<sup>2</sup>  
LYLE E. WACASER, Assistant<sup>2</sup>

**Obstetrics and Gynecology**

EDWARD D. ALLEN, Clinical Professor (Rush), *Emeritus*  
HARRY BOYSEN, Clinical Professor (Rush)  
EUGENE A. EDWARDS, Clinical Professor  
ABRAHAM F. LASH, Clinical Professor  
JAMES P. FITZGIBBONS, Clinical Associate Professor  
ARTHUR H. KLAUWANS, Clinical Associate Professor (Rush)  
ALFRED J. KOBAK, Clinical Associate Professor  
RICHARD A. LIFVENDAHL, Clinical Associate Professor  
FRED OWEN PRIEST, Clinical Associate Professor (Rush)  
GEORGE H. REZEK, Clinical Associate Professor  
HARRY K. WADDINGTON, Clinical Associate Professor  
JOHN R. WOLFF, Clinical Associate Professor  
WALTER C. HAMMOND, Clinical Assistant Professor, *Emeritus*  
JOHN M. LANG, Assistant Professor, *Emeritus*  
RICHARD H. ANDRESEN, Clinical Assistant Professor  
HUGO C. BAUM, Clinical Assistant Professor (Rush)  
ROBERT A. BEEBE, Clinical Assistant Professor  
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. DELEE, Clinical Assistant Professor  
VINCENT S. DIGIULIO, Clinical Assistant Professor  
CECIL DRAA, Clinical Assistant Professor (Rush)  
DEANE M. FARLEY, Clinical Assistant Professor  
GEORGE C. FINOLA, Clinical Assistant Professor  
WILLIAM F. GEITTMANN, Clinical Assistant Professor  
ROBERT J. GLENNER, Clinical Assistant Professor  
JOHN P. HARROD, Jr., Clinical Assistant Professor  
CHARLES D. KRAUSE, 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  
JOSEPH B. TETON, Clinical Assistant Professor  
FRANK J. WALSH, Clinical Assistant Professor  
JOSEPH S. ANGELL, Clinical Instructor  
JOHN F. BARTELS, Clinical Instructor  
JAMES A. CAVEBO, Instructor (one year from July 1, 1960)\*  
DONALD M. FAHRENBACH, Clinical Instructor  
EDWIN L. FALLOON, Clinical Instructor  
HARVEY A. GOLLIN, Clinical Instructor  
BERNARD M. KAYE, Clinical Instructor  
JOHN R. KOSTELNY, Clinical Instructor

VINCENT A. LAVIERI, Clinical Instructor  
 LAWRENCE LEVINE, Clinical Instructor  
 THEODORE C. MOUZAKEOTIS, Clinical Instructor  
 JOSEPH J. MULLEN, Clinical Instructor  
 EDWIN E. NYMAN, Clinical Instructor  
 GEORGE PEPPER, Instructor (one year from July 1, 1960)<sup>2</sup>  
 MICHAEL P. PILL, Clinical Instructor  
 PHILANDER RICKS, JR., Instructor (one year from July 1, 1960)<sup>2</sup>  
 MARVIN A. ROSNER, Clinical Instructor  
 MEYER D. RUTGARD, Clinical Instructor  
 JACK A. SAMPSON, Clinical Instructor  
 SEYMOUR SHOLDER, Clinical Instructor  
 JAMES A. SINGLETON, Instructor (one year from July 1, 1960)<sup>2</sup>  
 HAROLD E. SMITH, Clinical Instructor  
 ROBERT G. STONE, Clinical Instructor  
 EDGAR B. SYLVESTER, Clinical Instructor  
 NATHAN TOLWINSKY, Clinical Instructor  
 NANCY C. TREADWELL, Clinical Instructor  
 VASIL TRUCHLY, Clinical Instructor (fourteen months from July 1, 1960)  
 GEORGE P. VLASIS, Clinical Instructor  
 LAVERNE M. WALLHEISER, Clinical Instructor  
 ALVIN F. WIERSMA, Clinical Instructor  
 BRUCE P. ZUMMO, Clinical Instructor  
 JOHN A. AIMONE, Clinical Assistant  
 KURT BOCHNER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 GEORGE C. BONERTZ, Assistant (one year from July 1, 1960)<sup>2</sup>  
 DELOS E. COZAD, Clinical Assistant  
 ANDREW V. DAHLBERG, Clinical Assistant  
 WILLIAM A. GILLINGER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 WILLIAM P. GORDON, JR., Assistant (one year from July 1, 1960)<sup>2</sup>  
 HASSAN M. HASSAN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 MARIO A. IRIGOYEN, Clinical Assistant  
 ELMER J. JUSTEMA, Clinical Assistant  
 SIDNEY C. KAHN, Clinical Assistant  
 JOHN S. KARAMITSOS, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ANTHONY M. KENWICK, Clinical Assistant  
 ALVIN LANGER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ROBERT J. LEE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 MARSHAL S. LEVINE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN D. MURPHY, Assistant (one year from July 1, 1960)<sup>2</sup>  
 DENES ORBAN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ROBERT H. OBERHELMAN, Clinical Assistant  
 ADRIAN R. OLECK, Clinical Assistant  
 RICHARD R. ROHIE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 GABRIEL A. RODRIGUEZ, Assistant (one year from July 1, 1960)<sup>2</sup>  
 LAWRENCE J. SYKORA, Clinical Assistant

#### Ophthalmology

WILLIAM F. MONCREIFF, Clinical Professor (Rush), *Emeritus*  
 WILLIAM F. HUGHES, Clinical Professor  
 EARLE B. FOWLER, Clinical Associate Professor (Rush), *Emeritus*  
 GEORGINA D. THEOBALD, Clinical Associate Professor and Clinical Pathologist,  
*Emerita*  
 CARL APPLE, Clinical Associate Professor  
 JOSEPH S. HAAS, Clinical Associate Professor  
 DANIEL SNYDACKER, Clinical Associate Professor  
 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  
 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  
 VERNON M. LEECH, Clinical Associate, *Emeritus*  
 WALTER L. BAYARD, Clinical Associate  
 ALDONA A. JUSKA, Clinical Associate  
 ARTHUR LIGHT, Clinical Associate  
 ROBERT MURPHY, Clinical Associate  
 VALDO P. OLEARI, Clinical Associate  
 JUDITH V. PERRY, Clinical Associate  
 KARL E. TICHO, Clinical Associate  
 MOHAMMAD S. OUSQUI, Research Associate  
 DAVID V. L. BROWN, Clinical Instructor  
 MICHAEL CARROLL, Clinical Instructor  
 JOHN R. CASSADY, Clinical Instructor  
 VIVIAN A. CATION, Clinical Instructor  
 WILLIAM DEUTSCH, Clinical Instructor  
 GEORGE T. FITZGERALD, Clinical Instructor  
 LEONA R. FORDON, Clinical Instructor  
 BARBARA SPIRO, Clinical Instructor  
 JOSEPH TATAR, Clinical Instructor  
 ALBERT TENNENBAUM, Clinical Instructor  
 JACK TRESLEY, Clinical Instructor  
 HENRY S. WEISKOPF, Clinical Instructor  
 EDWIN S. WOOD, Clinical Instructor  
 WILLIAM M. ADLER, Assistant (one year from July 1, 1960)<sup>4</sup>  
 INEZ ATKINSON, Assistant (one year from July 1, 1960)<sup>4</sup>  
 RICHARD E. BERGE, Assistant (one year from July 1, 1960)<sup>4</sup>  
 CURTIS F. DETERS, Assistant (one year from July 1, 1960)<sup>4</sup>  
 MARSHALL DIAMOND, Assistant (one year from July 1, 1960)<sup>4</sup>  
 T. EARLE DUKES, Assistant (one year from July 1, 1960)<sup>4</sup>  
 HOMER GOLDSTEIN, Assistant (one year from July 1, 1960)<sup>4</sup>  
 RAYMOND HECHTER, Assistant (one year from July 1, 1960)<sup>4</sup>  
 MICHAEL V. HINKEN, Assistant (one year from July 1, 1960)<sup>4</sup>  
 DONALD HOLZBERG, Assistant (one year from July 1, 1960)<sup>4</sup>  
 ROBERT JENKINS, Assistant (one year from July 1, 1960)<sup>4</sup>  
 JAMES KILLOH, Assistant (one year from July 1, 1960)<sup>4</sup>  
 WALTER KLEIS, Assistant (one year from July 1, 1960)<sup>4</sup>  
 C. REX LATTA, Assistant (one year from July 1, 1960)<sup>4</sup>  
 DAVID MILLER, Assistant (one year from July 1, 1960)<sup>4</sup>  
 DELBERT P. NACHAZEL, Assistant (one year from July 1, 1960)<sup>4</sup>  
 WILLIAM G. NICOL, Assistant (one year from July 1, 1960)<sup>4</sup>  
 GEORGE H. RAAB, Assistant (one year from July 1, 1960)<sup>4</sup>  
 JOSEPH M. ROBBINS, Assistant (one year from July 1, 1960)<sup>4</sup>  
 PAUL J. SCHMIDT, Assistant (one year from July 1, 1960)<sup>4</sup>  
 RICHARD F. SCHWERDT, Assistant (one year from July 1, 1960)<sup>4</sup>  
 RICHARD UNDERRINER, Assistant (one year from July 1, 1960)<sup>4</sup>  
 MAURICE F. RAEB, Assistant (one year from July 1, 1960)<sup>4</sup>

#### Orthopaedic Surgery

FRANK G. MURPHY, Clinical Associate Professor, *Emeritus*  
 CARLO S. SCUDERI, Clinical Associate Professor in Orthopaedics  
 FRED SHAPIRO, Clinical Associate Professor<sup>5</sup>  
 THOMAS D. HALL, Clinical Assistant Professor<sup>5</sup>  
 WILLIAM A. MARSHALL, Clinical Assistant Professor  
 LEO F. MILLER, Clinical Assistant Professor  
 DONALD ROSS, Clinical Assistant Professor  
 HORACE E. TURNER, Clinical Assistant Professor (on leave of absence September, 1960)

ERNO B. HIDVEGI, Research Associate  
 TAWFIK Y. SABET, Research Associate  
 JAMES P. AHSTROM, Clinical Instructor  
 RICHARD M. CRONIN, Clinical Instructor  
 CHRISTOPHER F. G. ELLIS, Instructor<sup>2</sup>  
 KENNETH O. FETROW, Instructor<sup>1</sup>  
 ROBERT C. HAMILTON, Instructor<sup>2</sup>  
 FRANCIS M. HOWARD, Clinical Instructor  
 BRIAN H. HUNCKE, Instructor<sup>2</sup>  
 WILLIAM F. MCCOLL, JR., Instructor<sup>2</sup>  
 ROBERT P. MEANY, Clinical Instructor  
 WILLIAM MELTZER, Instructor<sup>2</sup>  
 ALBERT J. NOVOTNY, Clinical Instructor  
 CLIFFORD O. NYMAN, Clinical Instructor  
 RAYMOND J. PELLICORE, Clinical Instructor  
 WALTER R. PETERSEN, Clinical Instructor  
 IRWIN B. RICH, Clinical Instructor  
 ANTONI TRIAS, Instructor<sup>1</sup>  
 LOUIS S. VARZINO, Clinical Instructor (Rush)  
 RICHARD A. FREIBERG, Assistant<sup>2</sup>  
 WILLIAM F. HEJNA, Assistant<sup>2</sup>  
 ALAIN F. MENGUY, Assistant<sup>2</sup>  
 ESTHER D. MENSEN, Research Assistant  
 WILLIAM H. NEWMAN, Clinical Assistant

#### Otolaryngology

DANIEL A. HAYDEN, Clinical Professor (Rush), *Emeritus*  
 ABRAHAM R. HOLLENDER, Professor, *Emeritus*  
 WALTER H. THEOBALD, Clinical Professor, *Emeritus*  
 OLIVER E. VAN ALYEA, Clinical Professor, *Emeritus*  
 SAMUEL M. MORWITZ, Clinical Associate Professor, *Emeritus*  
 RICHARD W. WATKINS, Clinical Associate Professor, *Emeritus*  
 ALBERT H. ANDREWS, JR., Clinical Associate Professor of Bronchoesophagology  
 OSCAR J. BECKER, Clinical Associate Professor  
 WALTER W. DALITSCH, Clinical Associate Professor  
 STANTON A. FRIEDBERG, Clinical Associate Professor (Rush)  
 KENNETH C. JOHNSTON, Clinical Associate Professor (Bronchoesophagology)  
 G. KENNETH LEWIS, Clinical Associate Professor  
 GEORGE S. LIVINGSTON, Clinical Associate Professor  
 ROBERT B. LEWY, Clinical Associate Professor  
 MAURICE F. SNITMAN, Clinical Associate Professor  
 LINDEN J. WALLNER, Clinical Associate Professor (Rush)  
 HELMUT BLUMENTHAL, Clinical Assistant Professor  
 EDWARD L. CHAINSKI, Clinical Assistant Professor  
 ARTHUR J. COOMBS, Clinical Assistant Professor  
 ELMER A. FRIEDMAN, Clinical Assistant Professor  
 LOIS D. GREENE, Clinical Assistant Professor  
 RICHARD E. MARCUS, Clinical Assistant Professor  
 ARTHUR L. RATKO, Clinical Assistant Professor  
 LEO A. SATZ, Clinical Assistant Professor  
 LOUIS SAVITT, Clinical Assistant Professor  
 FRANK WOJNIAK, Clinical Assistant Professor (Rush)  
 I. ERLIN BARTLETT, Clinical Associate  
 BRUNO BLUMKLOTZ, Clinical Associate  
 JOSEPH F. ORRICO, Clinical Associate  
 HARKISHEN SINGH, Clinical Associate  
 WILLIAM A. SMILEY, Clinical Associate  
 PIERCE W. THEOBALD, Clinical Associate  
 JOHN A. WEIDEMANN, Clinical Associate  
 DAVID F. AUSTIN, Clinical Instructor (on leave of absence)  
 ROBERT H. BORKENHAGEN, Clinical Instructor  
 DAVID O. DALE, Clinical Instructor  
 JOSE LUIS FERRER, Clinical Instructor  
 JEANNETTE FRASIER, Clinical Instructor (Audiology)

JOSEPH GYORKEY, Clinical Instructor  
 COLETTE JEANTET, Clinical Instructor  
 ANDREAS G. KODROS, Clinical Instructor  
 ROLAND A. KOWAL, Clinical Instructor  
 MILTON E. KURTH, Clinical Instructor  
 MARIO D. MANSUETO, Clinical Instructor  
 PHILLIP I. MOZER, Clinical Instructor (on leave of absence for military service)  
 ATHANASSIOS PETER PANAGOPOULOS, Clinical Instructor  
 THADDEUS S. PIERCE, Clinical Instructor  
 EDWARD A. RAZIM, Clinical Instructor  
 KARL H. SIEDENTOP, Clinical Instructor  
 ALDO C. SIRUGO, Clinical Instructor  
 KURT SPRINGER, Clinical Instructor  
 JOHN W. BAXTER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 CHARLES D. BLUESTONE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 GEORGE H. CONNER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ROGER A. EGGERT, Assistant (one year from July 1, 1960)<sup>2</sup>  
 THOMAS E. GRIFFITH, Assistant (one year from July 1, 1960)<sup>2</sup>  
 GERALD E. GUEMMER, Clinical Assistant  
 PETER L. LEFFMAN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 A. LAWRENCE LEMEL, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ROY E. MATHEWS, Assistant (one year from July 1, 1960)<sup>2</sup>  
 DINO G. MAURIZI, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ROBERT C. NEWELL, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ROBERT S. ROSNAGLE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOYCE A. SCHILD, Assistant (one year from July 1, 1960)<sup>2</sup>  
 RONALD H. STEFANI, Assistant (one year from July 1, 1960)<sup>2</sup>  
 LOUIS T. TENTA, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOSEPH P. VELEK, Assistant (one year from July 1, 1960)<sup>2</sup>

### Pathology

GEORGE M. HASS, Professor  
 LESTER S. KING, Clinical Professor  
 CARL E. CAHN-BRONNER, Professorial Lecturer, *Emeritus*  
 JERRY J. KEARNS, Clinical Associate Professor, *Emeritus*  
 FREDERICK C. BAUER, JR., Clinical Associate Professor  
 HAROLD A. GRIMM, Clinical Associate Professor  
 AARON LEARNER, Clinical Associate Professor  
 COYE C. MASON, Clinical Associate Professor  
 JAMES R. THOMPSON, Clinical Associate Professor  
 RAYMOND A. CLASEN, Assistant Professor (fourteen months from July 1, 1960)  
 DOROTHY E. ESHBAUGH, Clinical Assistant Professor  
 FREDERIC O. FLOBERG, Lecturer in Legal Medicine with rank of Assistant Professor  
 MOSHE G. GOLDBERG, Clinical 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  
 JONAS VALAITIS, Clinical Assistant Professor  
 PAUL A. VAN PERNIS, Clinical Assistant Professor  
 JOHN E. MALONEY, Clinical Associate  
 ROBERT W. ALEXANDER, Instructor<sup>2</sup>  
 JESUS A. CABRERA, Instructor<sup>2</sup>  
 GEORGE E. COX, Instructor (one year from July 1, 1960)<sup>2</sup>  
 JOSEPH C. ERWIN, Clinical Instructor  
 REUBEN EISENSTEIN, Instructor (one year from July 1, 1960)<sup>2</sup>  
 JAMES E. HABEGGER, Clinical Instructor  
 JOSEPH J. HOSEK, Instructor (one year from July 1, 1960)<sup>2</sup>  
 VICTOR R. JABLOKOW, Clinical Instructor  
 URSULA F. ROWLATT, Instructor  
 SEVERINO S. SARMENTA, Instructor (one year from July 1, 1960)<sup>2</sup>  
 W. WIKE SCAMMAN, Instructor (one year from July 1, 1960)<sup>2</sup>

EUGENE J. GOLDMAN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 THOMAS D. MAHONY, Assistant (one year from July 1, 1960)<sup>2</sup>  
 LASZLO S. MEDGYESY, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JAMES C. PRITCHARD, Assistant (one year from July 1, 1960)<sup>2</sup>  
 SEYMOUR ROSEN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 SHERWYN E. WARREN, Assistant (one year from July 1, 1960)<sup>2</sup>

### Pediatrics

CRAIG D. BUTLER, Clinical Professor (Rush), *Emeritus*  
 CLIFFORD GRULEE, Clinical Professor (Rush), *Emeritus*  
 ARCHIBALD L. HOYNE, Clinical Professor (Rush), *Emeritus*  
 HUGH McCULLOCH, Lecturer with rank of Professor, *Emeritus*  
 ALFRED D. BIGGS, Clinical Professor  
 BENJAMIN M. GASUL, Clinical Professor  
 JOSEPH GREENGARD, Clinical Professor  
 C. JACK HARRISON, Clinical Professor (Rush)  
 SAMUEL J. HOFFMAN, Clinical Professor  
 CHARLES K. STULIK, Clinical Associate Professor (Rush), *Emeritus*  
 LAWRENCE BRESLOW, Clinical Associate Professor  
 WARREN R. DAMMERS, Clinical Associate Professor  
 LOUIS J. HALPERN, Clinical Associate Professor  
 HARRY LEICHENGER, Clinical Associate Professor  
 MATTHEW M. LEWISON, Clinical Associate Professor (Rush)  
 DANIEL J. PACHMAN, Clinical Associate Professor  
 IRVING B. RICHTER, Clinical Associate Professor  
 NOEL G. SHAW, Clinical Associate Professor (Rush)  
 NORMAN T. WELFORD, Clinical Associate Professor (Rush)  
 DOROTHY H. WELKER, Clinical Associate Professor  
 WOODRUFF L. CRAWFORD, Clinical Assistant Professor, *Emeritus*  
 MAGNUS H. AGUSTSSON, Clinical Assistant Professor  
 RENE A. ARCILLA, Clinical Assistant Professor  
 HANS G. BUCHELERES, Clinical Assistant Professor  
 E. H. CHRISTOPHERSON, 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  
 BESSIE L. LENDRUM, Clinical Assistant Professor  
 HARRY T. NAGEL, Clinical Assistant Professor  
 BRUCE B. NEWMAN, Clinical Assistant Professor  
 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  
 CHARLES E. STEPAN, Clinical Assistant Professor  
 SAMUEL THOMAS, Clinical Assistant Professor  
 A. A. WOLF, Clinical Assistant Professor  
 JUAN PEDRO BICOFF, Clinical Instructor  
 JULIA YU CHAO, Instructor  
 ELIZABETH KELLER, Clinical Instructor  
 ELISABETH S. LASSERS, Clinical Instructor  
 HOWARD J. LEVINE, Clinical Instructor  
 JEROME J. LUBIN, Clinical Instructor  
 RONALD B. MACK, Clinical Instructor  
 KENNETH S. NOLAN, Clinical Instructor  
 VICTOR M. LO PRIORE, Clinical Instructor  
 VLASTIMIL VRLA, Clinical Instructor  
 BRADLEY E. APPELBAUM, Assistant<sup>2</sup>  
 AGAPITO Y. DE RAMOS, Assistant<sup>2</sup>  
 JOSEPH L. EMMERICH, Assistant  
 MEL W. FEINBERG, Assistant<sup>2</sup>  
 RICHARD J. FEINBERG, Assistant<sup>2</sup>  
 GARLAND P. KIRKPATRICK, Assistant<sup>2</sup>

PARVIZ MOVAFAGH, Assistant  
TATIANA S. EUGENIDES, Assistant<sup>1</sup>

#### Pharmacology

VICTOR A. DRILL, Lecturer with rank of Professor  
HARRIS ISBELL, Lecturer with rank of Professor

#### Physical Medicine and Rehabilitation

H. WORLEY KENDELL, Clinical Professor  
LUIS SALOMON, Clinical Instructor

#### 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 Associate Professor

#### Preventive Medicine

THOMAS G. HULL, Lecturer with rank of Associate Professor, *Emeritus*  
JERMYN FRANCIS MCCAHAN, Clinical Associate Professor  
HAROLD W. SPIES, Clinical Assistant Professor  
HAROLD H. STEINBERG, Clinical Assistant Professor  
JANET M. WOLTER, Clinical Assistant Professor  
AGNES D. L. GOSS, Clinical Instructor  
RAYMOND W. STEBLEY, Clinical Instructor

#### Psychiatry

RALPH C. HAMILL, Clinical Professor (Rush), *Emeritus*  
DAVID SHAKOW, Lecturer with rank of Professor  
HARRY R. HOFFMAN, Clinical Associate Professor (Rush), *Emeritus*  
WILLIAM H. HAINES, Clinical Associate Professor  
ARTHUR A. MILLER, Clinical Associate Professor  
DONALD A. R. MORRISON, Clinical Associate Professor  
STEPHEN L. SHERWOOD, Clinical Associate Professor of Neurophysiology  
ALFRED P. SOLOMON, Clinical Associate Professor  
JACK WEINBERG, Clinical Associate Professor  
JACOB PASKIND, Clinical Assistant Professor, *Emeritus*  
JAMES M. ALEXANDER, Clinical Assistant Professor  
CLAESA M. ARMSTRONG, Clinical Assistant Professor  
HAROLD BALIKOV, Clinical Assistant Professor  
E. ELIOT BENEZRA, Clinical Assistant Professor  
ANNE R. BENJAMIN, Clinical Assistant Professor  
LEON BERNSTEIN, Clinical Assistant Professor  
JAMES A. BUETTNER, Clinical Assistant Professor  
DAVID I. CHEIFETZ, Clinical Assistant Professor  
PAULINE M. COOKE, Clinical Assistant Professor  
THOMAS N. DAVIS III, Clinical Assistant Professor  
FRANK F. EVANS, Clinical Assistant Professor  
ALFRED FLARSHHEIM, Clinical Assistant Professor  
LOWELL I. GOODMAN, Clinical Assistant Professor  
ALFRED G. GREEN, Clinical Assistant Professor  
HAROLD A. GREENBERG, Clinical Assistant Professor  
DAVID P. GROSS, Clinical Assistant Professor  
FREDERICK V. GWYER, Clinical Assistant Professor  
JOHN E. HALASZ, Clinical Assistant Professor  
LOUIS HALPERIN, Clinical Assistant Professor  
JOHN W. HANNI, Clinical Assistant Professor  
DAVID S. HARMAN, Clinical Assistant Professor  
IRVING D. HARRIS, Clinical Assistant Professor  
LOUIS JENSEN, Clinical Assistant Professor  
WALTER KITT, Clinical Assistant Professor  
RICHARD C. KOENIG, Clinical Assistant Professor  
ROBERT H. KOFF, Clinical Assistant Professor  
GUSTAVO LAGE, Clinical Assistant Professor

SAMUEL LIEBMAN, Clinical Assistant Professor  
JOAN LONGINI, Clinical Assistant Professor  
ROBERT G. McMILLAN, Clinical Assistant Professor  
VICTOR MINTEK, Clinical Assistant Professor  
EVAN G. MOORE, Clinical Assistant Professor  
WILLIAM H. MURRAY, Clinical Assistant Professor  
JOSEPH G. NEMECEK, Clinical Assistant Professor  
ERICH PASCHKES, Clinical Assistant Professor  
GEORGE L. PERKINS, Clinical Assistant Professor  
FRANCO U. RINALDI, Clinical Assistant Professor  
ALAN M. ROBERTSON, Clinical Assistant Professor  
RAYMOND E. ROBERTSON, Clinical Assistant Professor  
MORRIS M. ROSENTHAL, Clinical Assistant Professor  
LESTER H. RUDY, Clinical Assistant Professor  
HENRY L. RUEHR, Clinical Assistant Professor  
HARRY M. SEGENREICH, Clinical Assistant Professor  
MORRIS A. SKLANSKY, Clinical Assistant Professor  
W. DAVID STEED, Clinical Assistant Professor  
ROBERT L. STEWART, Clinical Assistant Professor  
VIRGINIA S. TARLOW, Clinical Assistant Professor  
DONN L. TIPPETT, Clinical Assistant Professor  
MARIAN D. TOLPIN, Clinical Assistant Professor  
THOMAS T. TOURENTES, Clinical Assistant Professor  
SAMUEL A. VICTOR, Clinical Assistant Professor  
WILLIAM WEISDORF, Clinical Assistant Professor  
ROBERT E. WESTFALL, Clinical Assistant Professor  
DONOVAN G. WRIGHT, Clinical Assistant Professor  
MELVIN D. NUDELMAN, Clinical Assistant Professor  
MARJORIE C. BARNETT, Clinical Instructor<sup>a</sup>  
GENE H. BOROWITZ, Instructor (one year from July 1, 1960)<sup>a</sup>  
ERIC G. BRUNNGRABER, Clinical Instructor  
PIETER DeVRIJER, Clinical Instructor  
SYDNEY B. EISEN, Clinical Instructor  
ARTHUR S. ELSTEIN, Clinical Instructor  
DAVID C. GARRON, Clinical Instructor  
NAHMAN H. GREENBERG, Clinical Instructor  
DAVID L. GUTMANN, Clinical Instructor  
JAY G. HIRSCH, Clinical Instructor<sup>a</sup>  
MARCUS A. JACOBSON, Instructor (one year from July 1, 1960)<sup>a</sup>  
BERNARD I. LIFSON, Clinical Instructor  
ARTHUR H. NORTON, Clinical Instructor (one year from July 1, 1960)<sup>a</sup>  
ROBERT E. NYQUIST, Clinical Instructor (one year from July 1, 1960)<sup>a</sup>  
FRANCES C. PERCE, Clinical Instructor  
SARAH R. PESKIND, Clinical Instructor  
BARBARA S. ROCAH, Clinical Instructor  
ARTHUR D. SABLE, Clinical Instructor  
WAGDI R. SALIB, Clinical Instructor (one year from July 1, 1960)<sup>a</sup>  
DONALD D. SCHWARTZ, Clinical Instructor<sup>a</sup>  
ARLENE J. SMITH, Clinical Instructor  
PAULINE D. STEFLETON, Clinical Instructor  
DONALD E. WATTS, Clinical Instructor  
HERBERT WEINSTEIN, Clinical Instructor  
DAGA M. WIED, Clinical Instructor  
ROBERT I. YUFIT, Clinical Instructor  
MARTIN BALABAN, Research Associate  
VIOLA BRODY, Research Associate  
VINCENT J. POLIDORA, Research Associate  
JOSÉ M. CASTILLO, Clinical Assistant<sup>a</sup>  
JEANNE DULAS, Clinical Assistant<sup>a</sup>  
LEO V. KEMPTON, Clinical Assistant<sup>a</sup>  
MAQBUL A. MIAN, Clinical Assistant<sup>a</sup>  
WILLIAM J. PIEPER, Assistant<sup>a</sup>  
MORTON S. TABIN, Clinical Assistant<sup>a</sup>



JOHN M. WHITMAN, Assistant<sup>3</sup>  
ORESTE ZALIS, Assistant<sup>1</sup>

#### Public Health

EDWARD A. PISZCZEK, Clinical Associate Professor  
HERBERT K. ABRAMS, Clinical Assistant Professor  
LEROY L. FATHERREE, Lecturer with rank of 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 S. BEILIN, Clinical Associate Professor  
RICHARD E. BUENGER, Associate Professor  
JOHN W. CLARK, Associate Professor  
SAMUEL A. LEADER, Clinical Associate Professor  
FRANKLIN S. ALCORN, Assistant Professor  
BENJAMIN D. BRAUN, Clinical Assistant Professor  
FRANK R. HENDRICKSON, Assistant Professor  
BILLY JAY HILL, Assistant Professor  
JULIUS HEYDEMANN, Clinical Assistant Professor  
JACQUES OVADIA, Clinical Assistant Professor  
NATHAN STARKMAN, Clinical Assistant Professor  
AUDREY L. WILSON, Clinical Assistant Professor  
MAURICE L. BOGDONOFF, Instructor  
LEONID CALENOFF, Instructor<sup>3</sup>  
FRANK L. HUSSEY, Clinical Instructor  
JOHN S. LEARY, Instructor<sup>3</sup>  
ARTHUR R. MILLER, Instructor<sup>3</sup>  
SHELDON H. MILLER, Instructor<sup>1</sup>  
ARSHAD K. ZAHEER, Instructor<sup>3</sup>  
LEONARD BERLIN, Assistant<sup>2</sup>  
JOHN C. BUSH, Assistant<sup>1</sup>  
CHARLES FRYE, Assistant<sup>3</sup>  
MARTIN HOCHHAUSER, Assistant<sup>2</sup>  
GUY R. MATTHEW, Assistant<sup>1</sup>  
JOHN I. PRETTO, Assistant<sup>1</sup>  
H. H. FORSYTH WINCHELL, Assistant<sup>1</sup>

#### Surgery

HILLIER L. BAKER, Clinical Professor (Rush), *Emeritus*  
VERNON C. DAVID, Professor (Rush), *Emeritus*  
SELIM W. MCARTHUR, Clinical Professor, *Emeritus*  
EDWIN M. MILLER, Clinical Professor (Rush), *Emeritus*  
OSCAR E. NADEAU, Clinical Professor, *Emeritus*  
EDWARD J. BEATTIE, JR., Professor  
ECBERT H. FELL, Clinical Professor (Rush)  
RICHARD K. GILCHRIST, Clinical Professor (Rush)  
PAUL W. GREELEY, Clinical Professor  
HILGER P. JENKINS, Lecturer with rank of Professor  
FRANCIS H. STRAUS, Clinical Professor (Rush)  
WILLIAM H. HAZLETT, Clinical Associate Professor, *Emeritus*  
FRANK J. JIRKA, Associate Professor, *Emeritus*  
WILL F. LYON, Clinical Associate Professor, *Emeritus*  
RUDOLPH J. E. ODEN, Associate Professor, *Emeritus*  
CARL B. DAVIS, JR., Clinical Associate Professor  
WILLIS G. DIFFENBAUGH, 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  
BURTON C. KILBOURNE, Clinical Associate Professor  
JOHN D. KOUCKY, Clinical Associate Professor

HIRAM T. LANGSTON, Clinical Associate Professor  
STANLEY E. LAWTON, Clinical Associate Professor (Rush)  
FOSTER L. McMILLAN, Clinical Associate Professor  
CLARENCE MONROE, Clinical Associate Professor (Rush)  
JOHN H. 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  
RAYMOND E. ANDERSON, Clinical Assistant Professor  
CHARLES D. BRANCH, Clinical Assistant Professor  
C. DAVID BROWN, Clinical Assistant Professor  
ROBERT G. CANHAM, Clinical Assistant Professor  
JOSEPH P. CANNON, Clinical Assistant Professor  
JAMES H. CROSS, Clinical Assistant Professor  
WARD H. EASTMAN, Clinical Assistant Professor  
MELVIN I. GIBBEL, Clinical Assistant Professor  
RAYMOND GREEN, Clinical Assistant Professor  
RONALD G. HALEY, Clinical Assistant Professor  
RUSSELL C. HANSELMAN, Clinical Assistant Professor  
HARRY G. HARDT, JR., Clinical Assistant Professor  
WILLIAM H. HARRIDGE, Clinical Assistant Professor  
ROBERT A. HESS, Clinical Assistant Professor  
CARL IRENEUS, JR., Clinical Assistant Professor  
JOHANNES L. KOPPEL, 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  
MILTON WEINBERG, JR., Clinical Assistant Professor  
CARL Y. WERELIUS, Clinical Assistant Professor  
LEON J. WITKOWSKI, Clinical Assistant Professor  
ROBERT J. BAKER, Clinical Instructor  
WALTER L. BARKER, Instructor (one year from July 1, 1960)<sup>1</sup>  
WILLIAM C. BRENNAN, Clinical Instructor  
WALID BURHANI, Instructor (one year from July 1, 1960)<sup>1</sup>  
JACKSON E. CAGLE, JR., Instructor (one year from July 1, 1960)<sup>2</sup>  
MOHAMMAD A. CHEEMA, Instructor (one year from July 1, 1960)<sup>2</sup>  
NOBLE CORRELL, Clinical Instructor  
GILBERT W. DOUGLAS, Clinical Instructor  
L. FENFIELD FABER, Instructor (one year from July 1, 1960)<sup>3</sup>  
GLENN W. FISCUS, Clinical Instructor (fourteen months from July 1, 1960)  
JOHN W. FRISCH, Clinical Instructor  
ANDRES GABEL, Instructor (one year from July 1, 1960)<sup>3</sup>  
HOWARD L. GORDON, Instructor (one year from July 1, 1960)<sup>2</sup>  
VERNON L. GUYNN, Clinical Instructor  
HOWARD M. HAMLIN, Clinical Instructor  
JAMES A. HUNTER, Clinical Instructor  
VERNON Z. HUTCHINGS, Clinical Instructor  
HERBERT F. IKNAYAN, Instructor (one year from July 1, 1960)<sup>2</sup>  
ROBERT W. JAMIESON, Clinical Instructor  
JOHANNES M. L. JENSEN, Clinical Instructor  
FRANK R. JOHNSON, Clinical Instructor

FRANCES E. KNOCK, Clinical Instructor  
 ANDREW KIRSTEINS, Clinical Instructor  
 WILBUR D. LATHAM, Instructor (one year from July 1, 1960)<sup>1</sup>  
 OSCAR S. LENIT, JR., Clinical Instructor  
 WILLIAM E. LOOBY, Clinical Instructor  
 CARL E. LORENTSON, Clinical Instructor (fourteen months from July 1, 1960)  
 RANDALL E. McNALLY, Clinical Instructor (fourteen months from July 1, 1960)  
 WILLIAM H. MARSHALL, Instructor (one year from July 1, 1960)<sup>2</sup>  
 RICHARD H. MEYER, Instructor (one year from July 1, 1960)<sup>2</sup>  
 FRANK J. MILLOY, JR., Clinical Instructor  
 CHARLES J. MOCK, Clinical Instructor  
 VINCENT P. MUENSTER, Clinical Instructor  
 HASSAN NAJAFI, Instructor (one year from July 1, 1960)<sup>2</sup>  
 STEVEN H. NYI, Clinical Instructor  
 JOHN W. OTTEN, Clinical Instructor  
 ROBERT J. OVERSTREET, Clinical Instructor  
 JOHN C. PARROTT, Instructor (one year from July 1, 1960)<sup>2</sup>  
 GEORGE L. PASTNACK, Clinical Instructor  
 EDELL G. PAUL, Clinical Instructor  
 HAROLD A. PAUL, Instructor (one year from July 1, 1960)<sup>2</sup>  
 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, Clinical Instructor  
 DAVID F. RENDLEMAN, Instructor (one year from July 1, 1960)<sup>2</sup>  
 RICHARD C. SCHULTZ, Clinical Instructor (on leave of absence)  
 THOMAS SELLETT, Clinical Instructor  
 CARL K. SOLANDER, Clinical Instructor  
 E. WILSON STAUB, Instructor (one year from July 1, 1960)<sup>2</sup>  
 RICHARD A. TARIZZO, Instructor (one year from July 1, 1960)<sup>2</sup>  
 ROBERT B. WHITE, Clinical Instructor  
 ARTHUR R. WILLIAMSON, Instructor (one year from July 1, 1960)<sup>2</sup>  
 MICHAEL F. WITANOWSKI, Clinical Instructor  
 BURTON R. BANCROFT, JR., Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN H. BANCROFT, Assistant (one year from July 1, 1960)<sup>2</sup>  
 DONALD M. BUCKNER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 PETER BUINAUSKAS, Assistant (one year from July 1, 1960)<sup>2</sup>  
 EDWARD A. DAINKO, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JAY D. ELLENBY, Assistant (one year from July 1, 1960)<sup>2</sup>  
 LAWRENCE A. FAGARASON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 GORDON H. GLASSFORD, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOSEPH F. HINKAMP, Clinical Assistant  
 LOREN J. HUMPHREY, Assistant (one year from July 1, 1960)<sup>2</sup>  
 FERNLY E. JOHNSON, Clinical Assistant  
 OLGA M. JONASSON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN M. KENWELL, Assistant (one year from July 1, 1960)<sup>2</sup>  
 WALTER R. LAWRENCE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 LEROY LONG, Assistant (one year from July 1, 1960)<sup>2</sup>  
 MARY L. MCKENZIE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JAMES H. MASON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 SAMIR M. RAGHEB, Assistant (one year from July 1, 1960)<sup>2</sup>  
 STUART S. ROBERTS, Assistant (one year from July 1, 1960)<sup>2</sup>  
 MARVIN M. ROMSDAHL, Assistant (one year from July 1, 1960)<sup>2</sup>  
 WENDELL H. SCHMIDTKE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN M. SOMERNDIKE, Assistant (one year from July 1, 1960)<sup>2</sup>  
 KENNETH R. VANDER VENNET, Assistant (one year from July 1, 1960)<sup>2</sup>  
 RICHARD S. WEBB, JR., Assistant (one year from July 1, 1960)<sup>2</sup>  
 WALTER W. WHISLER, Assistant (one year from July 1, 1960)<sup>2</sup>

#### Division of Urology

NORRIS J. HECKEL, Clinical Professor (Rush)  
 EDWARD BUCKMAN, Clinical Associate Professor, *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  
 EDWIN C. GRAF, 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  
 R. ROSS HAEGER, Clinical Associate  
 CARL D. BERRY, JR., Clinical Instructor  
 JAMES A. CALAMS, Clinical Instructor  
 DANIEL H. CALLAHAN, Clinical Instructor  
 THOMAS L. C. COTTRELL, Clinical Instructor  
 RAYMOND FIRFER, Clinical Instructor  
 CHARLES F. MCKIEL, JR., Instructor (one year from July 1, 1960)<sup>2</sup>  
 IBRAHIM T. SOZER, Instructor (one year from July 1, 1960)<sup>2</sup>  
 JAMES C. VALENTA, Clinical Instructor  
 MALACHI J. FLANAGAN, Assistant (one year from July 1, 1960)<sup>2</sup>  
 PABLO M. GONZALEZ, Clinical Assistant

#### Division of Anesthesiology

PAUL W. SEARLES, Clinical Professor  
 MARY M. LYONS, Clinical Associate Professor (Rush), *Emerita*  
 JOHN E. CAWLEY, Clinical Assistant Professor  
 MYRON J. LEVIN, Clinical Assistant Professor  
 HERBERT E. NATOF, 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  
 HERSHELL L. KEELING, Clinical Associate  
 DIGBY G. SEYMOUR, Clinical Associate  
 CONSTANCE B. DEPADUA, Instructor (one year from July 1, 1960)<sup>2</sup>  
 GWEN GLEAVE, Clinical Instructor  
 EILEEN HECKEL, Clinical Instructor  
 DAVID KATZ, Clinical Instructor  
 DAVID G. NELSON, Clinical Instructor  
 JOHN NELSON, Clinical Instructor  
 BRIGHT Y. ONODA, Clinical Instructor  
 STANKA K. PAPRIKOFF, Clinical Instructor  
 RAYMOND F. ROSE, Clinical Instructor  
 LESTER SCHWARTZ, Clinical Instructor  
 MAURICE M. TENNANT, Clinical Instructor  
 DAN A. VALENTI, Clinical Instructor  
 RASMA V. VITRINGS, Clinical Instructor  
 JOSE R. ALFONSO, Assistant (one year from July 1, 1960)<sup>2</sup>  
 OLAF W. ALLISON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 TOWFIG ARJMAND, Assistant (one year from July 1, 1960)<sup>2</sup>  
 THOMAS L. ASHCRAFT, Assistant (one year from July 1, 1960)<sup>2</sup>  
 CARLETON E. DANGREMOND, Clinical Assistant (on leave of absence for military service)  
 MARGARET N. KEZDI, Clinical Assistant  
 DAVID W. KRANS, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JOHN M. LARSON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JAMES E. MAHER, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JESUS I. MATTOS, Assistant (one year from July 1, 1960)<sup>2</sup>  
 WILLIAM R. MELBY, Clinical Assistant (on leave of absence for military service)  
 ROBERT J. NELSON, Assistant (one year from July 1, 1960)<sup>2</sup>  
 JUSTO J. PEREZ, Assistant (one year from July 1, 1960)<sup>2</sup>  
 ARTHUR W. PETERSON, JR., Assistant (one year from July 1, 1960)<sup>2</sup>  
 JAMES A. SANDROLINI, Assistant (one year from July 1, 1960)<sup>2</sup>

MARCOS O. SANTANDER, Assistant (one year from July 1, 1960)\*  
 VIVENTE B. SANTELICES, Assistant (one year from July 1, 1960)\*  
 MORTON SHULMAN, Assistant (one year from July 1, 1960)\*  
 ASTRIDA I. SILINS, Assistant (one year from July 1, 1960)\*  
 JOHN J. STRAUB, Assistant (one year from July 1, 1960)\*  
 VERNON E. WALLACE, Assistant (one year from July 1, 1960)\*  
 WILLIAM O. BATES III, Assistant (one year from July 1, 1960)\*  
 JAMES H. MACLEAN, Assistant (one year from July 1, 1960)\*

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

#### INVESTMENT REPORT

The Finance Committee reported the following changes in investments of trust funds from April 1 through June 30, 1960:

##### URBANA-CHAMPAIGN

###### Endowment Funds

###### Purchase

\$ 22 000	U. S. bonds	3%	8/15/66	\$ 20 821 57
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###### Current Funds

###### Exchange

\$ 508 000	U. S. certificates	4%	5/15/60	for
508 000	U. S. certificates	4 $\frac{3}{8}$ %	5/15/61	
1 000 000	U. S. notes	3 $\frac{1}{2}$ %	5/15/60	for
1 000 000	U. S. certificates	4 $\frac{5}{8}$ %	5/15/61	

###### Purchase

\$1 200 000	U. S. bills		12/15/60	\$1 184 916 67
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#### Report of the Comptroller

The Comptroller reported the following changes in unexpended plant fund investments, over which he has authority as shown:

##### URBANA-CHAMPAIGN

###### Construction Funds

Housing Revenue Bonds of 1960 Series A (Orchard Downs), authorized by Board of Trustees resolution dated June 14, 1960.

###### Purchase

\$ 156 000	U. S. notes	4 $\frac{3}{4}$ %	8/15/60	\$ 156 487 50
180 000	U. S. bills		9/15/60	179 210 75
186 000	U. S. bills		10/13/60	184 752 25
292 000	U. S. bills		11/3/60	289 496 10
293 000	U. S. bills		12/15/60	289 513 30
294 000	U. S. bills		1/15/61	289 855 83
574 000	U. S. certificates	4 $\frac{7}{8}$ %	2/15/61	580 816 25
276 000	U. S. bills		4/15/61	269 530 25
836 000	U. S. certificates	4 $\frac{3}{8}$ %	5/15/61	844 621 25
261 000	U. S. notes	4%	8/1/61	263 446 88
753 000	U. S. bonds	2 $\frac{3}{4}$ %	9/15/61	747 823 13
338 000	U. S. bonds	2 $\frac{1}{2}$ %	11/15/61	333 875 31

Housing Revenue Bonds of 1959 Series C and D (Peabody Drive), authorized by Board of Trustees resolution dated October 21, 1959.

###### Purchase

\$ 484 000	U. S. bills		9/8/60	\$ 478 857 09
207 000	U. S. bills		10/17/60	203 994 82

Assembly Hall Revenue Bonds, authorized by Board of Trustees resolution dated June 23, 1959.

###### Purchase

\$ 441 000	U. S. bills		6/22/60	\$ 439 730 90
521 000	U. S. bills		9/1/60	518 540 39
110 000	U. S. bills		10/17/60	108 353 06
522 000	U. S. certificates	4 $\frac{3}{8}$ %	11/15/60	524 426 25

Housing Revenue Bonds of 1959 Series A (Graduate Housing Equipment), authorized by Board of Trustees resolution dated June 23, 1959.

Purchase

\$ 40 000	U. S. bills	6/16/60	\$ 39 912 17
37 000	U. S. bills	7/7/60	36 847 68
21 000	U. S. bills	8/11/60	20 835 57

Housing Revenue Bonds of 1959 Series B (Graduate Housing Construction), authorized by Board of Trustees resolution dated June 23, 1959.

Sale

\$ 715 000	U. S. notes	4½% 5/15/60	\$ 715 335 15
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Purchase

\$ 95 000	U. S. bills	6/22/60	94 726 61
187 000	U. S. bills	7/15/60	186 055 65
180 000	U. S. notes	4¾% 8/15/60	180 597 50

Housing Revenue Bonds of 1958 (120 Units), authorized by Board of Trustees resolutions dated December 17, 1958, and March 12, 1959.

Sale

\$ 41 000	U. S. bills	5/19/60	\$ 40 881 73
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Purchase

\$ 22 000	U. S. bills	7/15/60	21 968 83
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Men's Residence Halls Revenue Bonds of 1957, authorized by Board of Trustees resolution dated March 12, 1957.

Purchase

\$ 75 000	U. S. bills	5/12/60	\$ 74 842 50
75 000	U. S. bills	6/16/60	74 814 06
75 000	U. S. bills	7/15/60	74 900 83

Women's Residence Halls Revenue Bonds of 1956, authorized by Board of Trustees resolution dated September 18, 1956.

Purchase

\$ 29 000	U. S. bills	5/26/60	\$ 28 939 10
28 000	U. S. bills	6/22/60	27 951 70
29 000	U. S. bills	7/15/60	28 962 94

Men's Residence Halls Revenue Bonds of 1956, authorized by Board of Trustees resolutions dated March 23, 1956, and September 18, 1956.

Purchase

\$ 12 000	U. S. bills	5/19/60	\$ 11 975 25
12 000	U. S. bills	6/23/60	11 970 25
13 000	U. S. bills	7/15/60	12 986 10

*Sinking Funds*

Housing Revenue Bonds of 1960 Series A (Orchard Downs), authorized by Board of Trustees resolution dated June 14, 1960.

Purchase

\$ 102 000	U. S. bills	9/15/60	\$ 101 558 00
207 000	U. S. bills	1/15/61	204 102 00

CHICAGO

Dentistry-Medicine-Pharmacy Building Revenue Bonds Auxiliary Account, authorized by Board of Trustees resolution dated December 16, 1953.

Purchase

\$ 60 000	U. S. bills	8/11/60	\$ 59 514 00
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Beneficial Interest in Trust Navy Pier Escrow Account

Exchange

\$ 140 000	U. S. certificates	3¾% 2/15/60	for
140 000	U. S. certificates	4¾% 2/15/61	

This report was presented by Mr. Swain, Chairman of the Finance Committee, and was received for record.

## 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 leave 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.)

- ADAMEK, EDWARD G., Visiting Lecturer in Education, June 20-August 13, 1960, \$1,600 (7-7-60).
- ADAMS, JACK A., Associate Professor of Psychology, two months from June 16, 1960, \$1,022.22 a month; this is in addition to his present appointment (6-9-60).
- AFUSO, CHUSHIN, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$444.44 a month (6-4-60).
- AKIN, CAVIT, Assistant in Food Technology (S), June 15-August 31, 1960, \$366.66 a month, supersedes (7-2-60).
- ALPERT, NORMAN R., Associate Professor of Physiology (Medicine) and Coordinator of Medical Education for National Defense, two months from July 1, 1960, \$2,255.54 (6-24-60).
- ANDERSON, DONALD J., Research Assistant in Chemistry, two months from June 16, 1960, \$400 a month (6-3-60).
- ANDERSON, JOHN F., Research Assistant in Entomology, June 16-August 22, 1960, \$900 (6-18-60).
- ANDREWS, MARGARET E., Visiting Lecturer in Business Education, Summer Session of 1960, June 20-July 1, 1960, \$600 for the period (6-13-60).
- ARMATO, ROSARIO P., Assistant in English, nine months from September 16, 1960, \$3,800 (6-14-60).
- AUER, ANDRE, Research Associate in Civil Engineering (S), academic year beginning September 1, 1960, \$5,400 (6-14-60).
- AZUMA, HIROSHI, Research Assistant in the Bureau of Educational Research, two months from June 1, 1960, \$400 a month, supersedes (6-15-60).
- BADGER, PARKER H., Lecturer in Mechanical Engineering (C), academic year beginning September 1, 1960, \$7,000 (6-14-60).
- BAER, JEAN H., Administrative Assistant in the Student Counseling Service and Assistant Professor of Education, Division of Social Sciences (Chicago Undergraduate Division), one year from September 1, 1960, \$10,000 (6-17-60).
- BAERWALD, JOHN E., Associate Professor of Traffic Engineering (Civil Engineering) (C), two months from June 16, 1960, \$1,000 a month; this is in addition to his present appointment (6-7-60).
- BAKER, ROBERTA H., Visiting Lecturer in University Theater and Summer Youth Program, Summer Session of 1960, June 20-August 13, 1960, \$1,500 for the period (6-7-60).
- BALLUFFI, ROBERT W., Associate Professor of Mining and Metallurgy and of Physics (Department of Physics) (C), two months from June 16, 1960, \$1,022.22 a month; this is in addition to his present appointment (7-2-60).
- BANERJEE, AMAL CHANDRA, Research Assistant in Economic Entomology and in the Illinois Natural History Survey, June 13-August 31, 1960, \$400 a month (6-20-60).
- BANKS, EDWIN M., Research Assistant Professor in the Division of General Studies, June 20-August 13, 1960, \$711.50 a month; this is in addition to his present appointment (6-4-60).
- BARBER, HOLLIS H., Professor of Political Science (Chicago Undergraduate Division), Summer Session of 1960,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$1,189 for the period (6-13-60).
- BARNHILL, JACK G., Instructor in Accountancy, academic year beginning September 1, 1960, \$4,700 (6-17-60).
- BARRON, SAMUEL H., Clinical Assistant Professor of Pediatrics (Medicine),  $\frac{1}{4}$  time, July 1, 1960-March 31, 1961, \$208.33 a month, supersedes (7-11-60).
- BASU, GOBINDA L., Research Associate in Chemistry, one year from September 1, 1960, \$5,500 (6-18-60).

- BATEMAN, PAUL T., Professor of Mathematics, two months from June 16, 1960, \$2,444.44; this is in addition to his present appointment and supersedes his appointment dated April 4, 1960 (7-12-60).
- BAULING, FREDERICK G., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1960, June 20-August 13, 1960, \$1,512 for the period, supersedes his previous Summer Session appointment (6-14-60).
- BEBERMAN, MAX, Professor of Education, June 20-August 13, 1960, \$3,267; this is in addition to his present appointment (7-2-60).
- BECKER, WESLEY C., Assistant Professor of Psychology,  $\frac{1}{2}$  time, June 16-August 15, 1960, \$416.67 a month; this is in addition to his present appointment and to his Summer Session appointment (6-8-60).
- BECKER, WILLIAM L., Visiting Lecturer in Business Education, Summer Session of 1960, July 5-15, 1960, \$400 for the period (6-13-60).
- BEGANDO, JOSEPH S., Acting Vice-President in charge of the Chicago Professional Colleges, beginning June 20, 1960, and continuing until further notice, \$100 a month; this is in addition to his appointment as Assistant to the President (6-30-60).
- BELFORD, R. LINN, Assistant Professor of Physical Chemistry (Aeronautical Engineering) (C), two months from June 16, 1960, \$766.67 a month; this is in addition to his present appointment (6-17-60).
- BENDEL, ROBERT, Research Assistant in Botany, two months from June 16, 1960, \$400 a month (6-3-60).
- BENNETT, PHILIP E., Instructor in Theoretical and Applied Mechanics (C),  $\frac{3}{4}$  time, academic year beginning September 1, 1960, \$3,600 (6-14-60).
- BERGERON, CLIFTON G., Research Associate in Ceramic Engineering (S), three months from June 1, 1960, \$791.66 a month (6-15-60).
- BERRY, EDWARD S., JR., Instructor in Brass (Music), Summer Session of 1960, 46/100 time, June 19-July 23, 1960, \$375 for the period (6-18-60).
- BLACK, LINDSAY M., Research Professor of Botany, two months from June 16, 1960, \$1,444 a month; this is in addition to his present appointment (7-5-60).
- BOBBEN, HOWARD M., Research Associate in the Institute of Communications Research (College of Journalism and Communications and Graduate College), July 1, 1960-August 31, 1961, \$6,000 a year (6-9-60).
- BORTOFF, ALEXANDER, Research Associate in Physiology, one month from June 1, 1960, \$500 (6-3-60).
- BOUC, CHARLES A., Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1960, \$6,000, supersedes (7-5-60).
- BOWER, JOHN E., JR., Instructor in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1960, \$2,700 (6-9-60).
- BOYLE, THOMAS E., Assistant in English, nine months from September 16, 1960, \$4,000 (6-4-60).
- BRISCOE, JOHN W., Professor of Civil Engineering and Associate Head of the Department (C), June 16-30, 1960, full time, \$583.33 for the period; July 16-August 15, 1960,  $\frac{3}{4}$  time, \$875 for the period; and September 1-15, 1960, full time, \$583.33 for the period; this is in addition to his present appointment (6-3-60); and in the Summer Session of 1960,  $\frac{1}{4}$  time, July 18-August 13, 1960, \$292 for the period (6-17-60).
- BROEDER, JOHN W., Visiting Lecturer in Education, June 20-July 16, 1960, \$900 (7-7-60).
- BROWN, O. ROBERT, JR., Research Assistant in Education (University High School), nine months from September 16, 1960, \$4,800 (6-14-60).
- BROWN, ROGER K., Instructor in Education, July 18-August 13, 1960, \$856; this is in addition to his present appointment (6-17-60).
- BROWN, THEODORE L., Research Assistant Professor of Chemistry, two months from June 16, 1960, \$778 a month; this is in addition to his present appointment (6-8-60).
- BRUCKNER, WALTER H., Professor of Metallurgical Engineering (Mining and Metallurgical Engineering) (C), two months from June 16, 1960, \$1,066.66 a month; this is in addition to his present appointment (7-2-60).
- BUCKALEW, EVELYN H., Assistant in English, nine months from September 16, 1960, \$3,800 (6-21-60).
- BUNDY, MARY L., Assistant in Library Science, Summer Session of 1960, June 20-August 13, 1960, \$834 for the period (6-27-60).



- BURNS, KENNETH, Assistant Professor of Speech, Summer Session of 1960, June 20-August 13, 1960, \$1,445 for the period, supersedes his previous Summer Session appointment (6-28-60).
- BURRIGHT, RICHARD C., Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-9-60).
- BUSER, MARYORIE A., Assistant in Occupational Therapy (Medicine), two months from July 1, 1960, \$5,150 a year, and for one year from September 1, 1960, \$5,300 (7-11-60).
- BYNG, DENNIS E., Instructor in Art, academic year beginning September 1, 1960, \$5,600 (6-14-60).
- CAFEK, RAYMOND G., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1960, \$500 a month (6-20-60).
- CATTELL, RAYMOND B., Research Professor of Psychology, two months from June 16, 1960, \$1,444.44 a month; this is in addition to his present appointment (6-8-60).
- CHAPMAN, ORVILLE L., Visiting Lecturer in Chemistry, Summer Session of 1960, June 20-August 13, 1960, \$1,500 for the period (6-10-60).
- CHATTERJEE, BISHWA B., Research Assistant in the Bureau of Educational Research, full time for two months from June 1, 1960, \$366.66 a month, and  $\frac{1}{2}$  time for one month from August 1, 1960, \$183.33, supersedes (6-3-60).
- CHIPMAN, WILMON B., Research Assistant in Chemistry, June 16-July 31, 1960, \$400 a month (6-18-60).
- CHOW, WEN LUNG, Research Associate Professor of Mechanical Engineering (C),  $\frac{1}{2}$  time, June 16-August 15, 1960, \$593; this is in addition to his present appointment and to his Summer Session appointment (6-21-60).
- CHUANG, YAO HUANG, Assistant in Prices and Statistics (Agricultural Economics) (S), two months from July 1, 1960, \$444.44 a month (7-2-60).
- CLAYTON, MRS. SUZANNE N., Rare Book Room Assistant in the Library, one year from September 1, 1960, \$5,200 (6-18-60).
- COBIN, MARTIN T., Associate Professor of Speech, two months from July 1, 1960, \$833.33 a month; this is in addition to his present appointment (7-2-60).
- COGGINS, WILLIS, Assistant Professor of Woodwinds (Music), Summer Session of 1960, 45/100 time, June 19-July 23, 1960, \$400 for the period (6-17-60).
- COLLINS, LORENCE G., Visiting Assistant Professor of Education, July 18-August 13, 1960, \$1,000 (6-4-60).
- CONRAD, H. EDWARD, Research Associate in Chemistry, July 1, 1960-August 31, 1961, \$8,000 a year (6-21-60).
- COOMBS, JERROLD R., Research Assistant in the Bureau of Educational Research, full time, two months from June 1, 1960, \$366.66 a month, and  $\frac{1}{2}$  time for one month from August 1, 1960, \$183.33, supersedes (6-18-60).
- CORTEN, HERBERT T., Professor of Theoretical and Applied Mechanics (C), from June 16-23, 1960, and July 4-August 15, 1960, and August 22-26, 1960, \$1,133.33 a month; this is in addition to his present appointment (6-17-60).
- CRANE, ROBERT M., Associate Dean of Men, August 1, 1960-August 31, 1961, \$9,600 a year (6-8-60).
- CRANK, FLOYD L., Associate Professor of Education, Summer Session of 1960, June 20-July 16, 1960, \$778 for the period; this is in addition to his present Summer Session appointment (6-27-60).
- CREAMER, LYLE R., Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-9-60).
- CRIGEE, LUTZ, Research Associate in Physics (C), one year from September 1, 1960, \$7,000 (6-14-60).
- CRUZ, JOSE B., JR., Research Assistant Professor in the Coordinated Science Laboratory (C), two months from June 16, 1960, \$866.66 a month; this is in addition to his present appointment (6-21-60).
- CULBERTSON, DON S., Assistant Serials and Acquisitions Librarian, with rank of Instructor (Chicago Undergraduate Division), one year from September 1, 1960, \$5,500 (6-17-60).
- DANIELZADEH, ALBERT, Research Assistant in Biological Chemistry (Medicine), June 15-August 31, 1960, \$366.66 a month, supersedes (7-2-60).
- DANNER, ELLIS, Professor of Highway Engineering (Civil Engineering) (C and S),  $\frac{3}{4}$  time, June 16-August 31, 1960, \$800 a month, and full time, September 1-15, 1960, \$722.22; this is in addition to his present appointment (6-3-60).

- DE LA TORRE, LUIS, Research Associate in Cytochemistry (Dairy Science) (S), July 1, 1960-August 31, 1961, \$6,400 a year (6-14-60).
- DEMOSSE, RALPH D., Professor of Microbiology, two months from June 16, 1960, \$1,155.56 a month; this is in addition to his present appointment (6-15-60).
- DENNY, TERRY, Research Associate in Education,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$600 (6-24-60).
- DICKERSON, DONALD R., Special Associate Chemist, State Geological Survey, three months from July 1, 1960, \$592 a month (6-10-60).
- DILLMAN, PHILLIP, Assistant in English, nine months from September 16, 1960, \$3,600 (6-14-60).
- DONATH, RUDOLF, Research Assistant in Medicine (Medicine), one year from July 1, 1960, without salary (6-17-60).
- DRAKE, JOHN W., Assistant Professor of Microbiology, two months from June 16, 1960, \$855.55 a month; this is in addition to his present appointment (6-17-60).
- DRUMMOND, HAROLD A., Assistant Professor of Clinical Dentistry (Admitting Clinic) (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1960, \$4,000 (6-25-60).
- DULANY, DONELSON E., JR., Associate Professor of Psychology, two months from June 16, 1960, \$866.67 a month; this is in addition to his present appointment (6-8-60).
- EDMONDSON, HAROLD S., Visiting Lecturer in Speech and Supervisor of Clinicians in the Summer Residential Clinic, Summer Session of 1960, June 20-August 13, 1960, \$1,600 for the period (6-28-60).
- ELLIS, KENNETH W., Associate Professor of Psychology, Division of Social Sciences, on indefinite tenure, and Research Counselor in the Student Counseling Service (Chicago Undergraduate Division), one year from September 1, 1960, \$11,000 a year (6-17-60).
- EILERT, MRS. MARY J., University High School Librarian, with rank of Instructor (Library), one year from September 1, 1960, \$6,000 (6-15-60).
- EISSLER, ROBERT L., Associate Chemical Engineer (Mining and Metallurgical Engineering) (C), June 16-30, 1960, and July 1-15, 1960, \$642 (6-20-60).
- ELLIS, L. PATRICIA, Architecture Library Assistant (Library), one year from September 1, 1960, \$5,200 (6-11-60).
- ELLISON, FRED P., Associate Professor of Spanish (Education),  $\frac{1}{2}$  time, June 20-August 13, 1960, \$834; this is in addition to his present appointment (6-8-60).
- EMERY, WILLIS L., Professor of Electrical Engineering, in the Indian Institute of Technology, Kharagpur, India, June 16-August 31, 1960, \$1,225 a month; this is in addition to his present appointment; and one year from September 1, 1960, \$16,100 (6-9-60).
- EPSTEIN, WILLIAM W., Research Associate in Chemistry, one year from September 1, 1960, \$5,500 (6-9-60).
- ERIKSEN, CHARLES W., Professor of Psychology, two months from June 16, 1960, \$1,033.33 a month; this is in addition to his present appointment (6-8-60).
- EWING, BEN B., Associate Professor of Sanitary Engineering (Civil Engineering) (S), two months from June 16, 1960, \$922.22 a month; this is in addition to his present appointment (6-7-60).
- FEINSTEIN, IRWIN K., Associate Professor of Education, Summer Session of 1960, June 20-July 16, 1960, \$845 for the period (6-20-60).
- FELTNER, CHARLES E., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1960, \$5,400 (6-17-60).
- FERGUSON, JANE, Research Assistant in the Institute for Research on Exceptional Children, June 13-August 5, 1960, \$1,000 (6-3-60).
- FIEDLER, FRED E., Associate Professor of Psychology, two months from June 16, 1960, \$988.89 a month; this is in addition to his present appointment (6-8-60).
- FLEY, JO ANN, Assistant Dean of Women, one year from September 1, 1960, \$6,500 (6-14-60).
- FLORES, JOSEPH S., Associate Professor of Spanish (Education),  $\frac{1}{2}$  time, June 20-August 13, 1960, \$1,000; this is in addition to his present appointment (6-8-60).
- FLORSCHUETZ, LEON W., Research Assistant in Nuclear Engineering (Mechanical and Industrial Engineering) (C), June 16-August 31, 1960, \$1,111.11 (6-9-60).

- FOOTE, MRS. BEVERLY V. D., Assistant in Agronomy (S), two months from June 16, 1960, \$400 a month (6-25-60).
- FOULK, CLINTON R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$488.88 a month (6-4-60).
- FRANK, JAMES L., Instructor in Full and Removable Partial Dentures and in Administration (Dentistry), one year from September 1, 1960, \$7,500 (6-25-60).
- FRANKMANN, RAYMOND W., JR., Assistant Professor of Psychology, two months from July 1, 1960, \$733.33 a month; this is in addition to his present appointment (6-8-60).
- FRAUENFELDER, HANS, Professor of Physics (C), two months from June 16, 1960, \$1,444.44 a month; this is in addition to his present appointment (5-27-60).
- FREEDMAN, MORRIS D., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$444.44 a month (6-4-60).
- FRENCH, JAMES L., Instructor in Mechanical Engineering (C),  $\frac{1}{4}$  time, academic year beginning September 1, 1960, \$1,500; this is in addition to his appointment as Engineering Faculty Development Fellow (6-17-60).
- FRIEDBERG, ARTHUR L., Professor of Ceramic Engineering (C), two months from June 16, 1960, \$1,222.22 a month; this is in addition to his present appointment (6-3-60).
- FRIEDERICH, ALLAN G., Associate Professor of Mechanical Engineering (Civil Engineering) (C), two months from June 16, 1960, \$800 a month; this is in addition to his present appointment (5-27-60).
- GAITHER, ROBERT B., Instructor in Mechanical Engineering (C),  $\frac{1}{4}$  time, academic year beginning September 1, 1960, \$1,500; this is in addition to his appointment as Engineering Faculty Development Teaching Fellow in Mechanical Engineering (6-11-60).
- GAZDA, GEORGE, Assistant Professor of Education,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$723; this is in addition to his regular appointment and to his Summer Session appointment (7-7-60).
- GILMORE, THOMAS B., Assistant in English, nine months from September 16, 1960, \$3,800 (6-21-60).
- GLASER, DANIEL, Associate Professor of Sociology, two months from June 16, 1960, \$938.89 a month; this is in addition to his present appointment (6-1-60).
- GODWIN, JOSEPH R., Research Associate in Sociology, two months from June 16, 1960, \$525 a month (7-2-60).
- GOLDBERG, JOSEPH H., Research Assistant Professor in the Coordinated Science Laboratory (C), two months from June 16, 1960, \$945 a month, supersedes (6-7-60).
- GOLDSTEIN, LADISLAS, Professor of Electrical Engineering (C), two months from June 16, 1960, \$1,833.33 a month; this is in addition to his present appointment (5-27-60).
- GOLDWASSER, EDWIN L., Professor of Physics (C), two months from June 16, 1960, \$1,055.55 a month; this is in addition to his present appointment (5-27-60).
- GOODMAN, ALAN B., Research Assistant in the Institution for Tuberculosis Research, June 3-August 31, 1960, \$5,000 a year, supersedes (6-24-60).
- GOODMAN, GARY C., Research Assistant in Astronomy, two months from July 1, 1960, \$400 a month (5-31-60).
- GOODWIN, HAROLD A., Research Associate in Chemistry, two months from September 1, 1960, \$500 a month (6-18-60).
- GOULD, ORRIN E., Assistant Professor of Education, June 20-August 13, 1960, \$1,556; this is in addition to his present appointment (6-17-60).
- GOURI SHANKAR, V., Instructor in Electrical Engineering (C),  $\frac{3}{4}$  time, academic year beginning September 1, 1960, \$3,720, supersedes (6-17-60).
- GRAEBNER, NORMAN A., Professor of History,  $\frac{1}{2}$  time, indefinite tenure, and Associate Member of the Center for Advanced Study (Graduate College),  $\frac{1}{2}$  time, one year from September 1, 1960, to render service during the academic year, \$13,500 a year (6-17-60).
- GRAF, ROBERT B., Research Assistant in Geology, June 20-August 13, 1960, \$800 (5-27-60).
- GRANT, E. RHODA, Research Associate in Clinical Science (Medicine),  $\frac{4}{5}$  time, three months from June 1, 1960, \$400 a month, supersedes (6-7-60).

- GRAY, ROBERT F., Visiting Associate Professor of Anthropology, nine months from September 16, 1960, \$8,000 (6-21-60).
- GREENBERG, RUVEN, Associate Professor of Physiology (Medicine), two months from June 16, 1960, \$2,366.66; this is in addition to his present appointment (7-2-60).
- GRICE, G. ROBERT, Professor of Psychology, two months from June 16, 1960, \$1,155.56 a month; this is in addition to his present appointment (6-8-60).
- GRIFFITH, MARY E., Assistant in Education (University High School), nine months from September 16, 1960, \$4,700 (6-11-60).
- GRUPE, HAROLD E., JR., Research Assistant in Oral Pathology (Dentistry), July 1, 1960-August 31, 1961, \$4,650 a year (7-2-60).
- GUCKEL, HENRY, Research Assistant in the Digital Computer Laboratory, June 16-August 31, 1960, \$444.44 a month (5-27-60).
- GUILLOU, JOHN C., Associate Professor of Hydraulic Engineering (Civil Engineering) (C), one month from July 1, 1960, \$966.67; this is in addition to his present appointment (6-10-60).
- GUTH, SHERMAN L., Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-9-60).
- GUTOWSKY, HERBERT S., Research Professor of Chemistry, two months from June 16, 1960, \$1,889 a month; this is in addition to his present appointment (7-2-60).
- HAAN, ROBERT L., Instructor in History, academic year beginning September 1, 1960, \$6,000 (6-14-60).
- HAERTLING, GENE H., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1960, \$500 a month (6-20-60).
- HAKE, HAROLD W., Associate Professor of Psychology, two months from June 16, 1960, \$1,022.22 a month; this is in addition to his present appointment (6-8-60).
- HALE, WILLIAM T., Assistant in University High School, June 16-25, 1960, and August 22-September 10, 1960, \$843.33 (6-23-60).
- HALL, B. VINCENT, Research Professor of Zoology, two months from June 16, 1960, \$1,078 a month; this is in addition to his present appointment (5-27-60).
- HALL, BENJAMIN D., Research Assistant Professor of Chemistry, two months from June 16, 1960, \$733.50 a month; this is in addition to his present appointment (6-8-60).
- HALL, GEORGE F., Assistant in Agronomy (S), June 16-August 31, 1960, \$400 a month (6-25-60).
- HALL, WILLIAM J., Professor of Civil Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1960, \$555.56 a month; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).
- HARNISH, BENJAMIN F., III, Research Assistant in the Small Homes Council-Building Research Council, June 16-August 31, 1960, \$1,000, supersedes (6-9-60).
- HARRINGTON, JOHN C., Research Assistant in Chemistry, June 16-August 31, 1960, \$500 a month, supersedes (6-15-60).
- HART, ALICE G., Visiting Lecturer in Education, June 20-September 2, 1960, \$1,375 (6-22-60); and Research Associate in Mathematics, academic year beginning September 1, 1960, \$6,500 (6-17-60).
- HARVEY, ROBERT O., Professor of Finance, two months from June 16, 1960, \$2,377.77; this is in addition to his present appointment (7-2-60).
- HATCH, GAYLORD F., Assistant in History of Civilization (Division of General Studies), nine months from September 16, 1960, \$4,500 (6-20-60).
- HAUGH, CONNOR F., Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1960, \$2,600 (6-11-60).
- HEILMAN, ANN E., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division), Summer Session of 1960,  $\frac{3}{4}$  time, June 20-August 13, 1960, \$934 for the period (6-24-60).
- HEINS, ARTHUR J., Instructor in Finance, academic year beginning September 1, 1960, \$7,250 (6-18-60).
- HELLER, ALEX, Associate Professor of Mathematics, June 15-August 24, 1960, \$2,125; this is in addition to his present appointment (6-1-60).
- HENDERLEITER, W. M., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1960,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$852 for the period (6-13-60).

- HENDRICKS, CHARLES D., JR., Associate Professor of Electrical Engineering (C), one month from June 16, 1960, \$1,000; this is in addition to his present appointment (5-27-60).
- HENRY, JOHN A., Counselor in the Student Counseling Service (Provost's Office), one month from August 1, 1960, \$1,067; this is in addition to his present appointment (5-31-60).
- HERRIN, MORELAND, Associate Professor of Civil Engineering (S), two months from July 1, 1960, \$955.55 a month; this is in addition to his present appointment (5-27-60).
- HILL, DIETRICH A., Assistant in English, nine months from September 16, 1960, \$3,800 (6-14-60).
- HILL, ROBERT D., Professor of Physics (C), one month from August 1, 1960, \$1,200; this is in addition to his present appointment (5-27-60).
- HOCHSTEIN, LAWRENCE I., Instructor in Microbiology (Medicine), one year from September 1, 1960, \$7,600 (6-14-60).
- HOLDEN, THOMAS L., Assistant Professor of Woodwinds (Music), Summer Session of 1960,  $\frac{3}{4}$  time, June 19-July 23, 1960, \$400 for the period (6-17-60).
- HSU, YU KAO, Research Assistant in Aeronautical Engineering (C), two months from June 16, 1960, \$422.22 a month (6-18-60).
- HUANG, EUGENE Y., Associate Professor of Civil Engineering (S), two months from July 1, 1960, \$833.33 a month; this is in addition to his present appointment (5-27-60).
- HUFFORD, LYLE E., Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-9-60).
- HULSIZER, ROBERT I., Professor of Physics (C), June 16-July 31, 1960, and September 1-15, 1960, \$1,333.33 a month; this is in addition to his present appointment (5-27-60).
- HUMMEL, JOHN P., Assistant Professor of Physics (C), two months from June 16, 1960, \$822.22 a month; this is in addition to his present appointment (5-27-60).
- HUMPHREYS, LLOYD G., Professor of Psychology, two months from June 16, 1960, \$1,555.56 a month; this is in addition to his present appointment (6-8-60).
- HUNT, J. M., Professor of Psychology, two months from June 16, 1960, \$1,555.56 a month; this is in addition to his present appointment (6-8-60).
- HUTTON, CHARLES L., JR., Assistant Professor of Speech and Supervisor of Clinicians in the Summer Residential Clinic, Summer Session of 1960, June 20-August 13, 1960, \$1,512 for the period, supersedes his previous Summer Session appointment (6-28-60).
- IHRIG, H. KARL, JR., Lecturer in Mechanical Engineering (C),  $\frac{1}{4}$  time, academic year beginning September 1, 1960, \$1,650; this is in addition to his appointment as Ford Foundation Fellow in Mechanical Engineering (6-17-60).
- INGLE, LESTER, Professor of Zoology, two months from June 16, 1960, \$1,055 a month; this is in addition to his present appointment (6-17-60).
- IRELAND, HERBERT O., Professor of Civil Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1960, \$516.67 a month; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).
- JACKSON, JOHN D., Professor of Physics (C), June 16-July 31, 1960, and September 1-15, 1960, \$1,333.33 a month; this is in addition to his present appointment (5-27-60).
- JACKSON, JOSEPH F., Professor of French, 32/100 time, June 20-August 13, 1960, \$800; this is in addition to his present appointment (5-31-60).
- JACOBS, LESTER, Assistant Professor of Clinical Dentistry (Admitting Clinic) (Dentistry), 3/10 time, one year from September 1, 1960, \$2,400 (6-25-60).
- JAGER, VIRGINIA S., Research Assistant in Chemistry, May 16-August 31, 1960, \$391.67 a month (5-25-60); and for one year from September 1, 1960, \$4,700 (6-21-60).
- JANES, ROBERT W., Associate Professor of Sociology, two months from June 16, 1960, \$950 a month; this is in addition to his present appointment (7-2-60).
- JENKINS, JOHNIE N., Research Associate in Agronomy (S), June 16, 1960-August 31, 1961, \$6,000 a year (6-25-60).
- JENSEN, JAY W., Associate Professor of Journalism and Head of the Department (Journalism and Communications), indefinite tenure from September 1, 1960, to render service during each academic year, \$12,000 a year (6-14-60).

- JERSILD, RALPH A., JR., Research Assistant in Zoology, two months from July 16, 1960, \$400 a month (6-3-60).
- JOHNSON, CHARLES E., Associate Professor of Education,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$945; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).
- JOHNSON, NOEL H., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$466.66 a month, supersedes (7-7-60).
- JOHNSON, WILLIAM H., Assistant Professor of Animal Science (S), two months from July 1, 1960, \$822.22 a month; this is in addition to his present appointment (5-27-60).
- KAMMEYER, PATTY H., Research Assistant in Chemistry, two months from June 16, 1960, \$400 a month (5-27-60).
- KAPPAUF, WILLIAM E., Professor of Psychology, two months from June 16, 1960, \$1,366.67 a month; this is in addition to his present appointment (6-8-60).
- KARGE, JOSEPH R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$422.22 a month (6-4-60).
- KARLOWICH, ROBERT A., Bibliographer, with rank of Instructor, in the Library, one year from September 1, 1960, \$7,000 (6-15-60).
- KARPLUS, MARTIN, Research Associate Professor of Chemistry, two months from June 16, 1960, \$889 a month; this is in addition to his present appointment (7-11-60).
- KEENAN, DOROTHY, Assistant in Education, Summer Session of 1960, June 20-July 16, 1960, \$500 for the period; this is in addition to her Summer Session appointment (6-28-60).
- KELLER, ROY J., Assistant in Education (University High School), nine months from September 16, 1960, \$5,000 (6-17-60).
- KEMP, JOAN, Assistant in Physical Education for Women, nine months from September 16, 1960, \$5,500 (6-14-60).
- KESLER, CLYDE E., Professor of Theoretical and Applied Mechanics (C),  $\frac{1}{4}$  time, two months from June 16, 1960, \$833.25 a month; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).
- KHETTRY, ARUN K., Research Assistant in Chemistry, two months from June 16, 1960, \$400 a month (6-9-60).
- KIEN, GERALD A., Instructor in Pharmacology (Medicine), two months from July 1, 1960, \$800 a month (7-11-60).
- KIMBROUGH, JOE A., Assistant in English, nine months from September 16, 1960, \$3,800 (6-14-60).
- KINNEY, PAUL T., Assistant Professor of Finance, June 16-August 31, 1960, \$822 a month; this is in addition to his present appointment (6-24-60).
- KOBAN, CHARLES, Assistant in English, nine months from September 16, 1960, \$3,800 (6-14-60).
- KOEHLER, JAMES S., Professor of Physics (C), two months from June 16, 1960, \$1,444.44 a month; this is in addition to his present appointment (5-27-60).
- KOHLBECKER, EUGENE, Visiting Assistant Professor of Mathematics, academic year beginning September 1, 1960, \$7,800 (5-31-60).
- KOKKOTAKIS, NICK A., Research Assistant in Physics (C), May 25-August 31, 1960, \$420 a month, supersedes (6-1-60).
- KOLB, PHILIP, Professor of French,  $\frac{1}{2}$  time, on indefinite tenure, and Associate Member of the Center for Advanced Study (Graduate College),  $\frac{1}{2}$  time, one year from September 1, 1960, to render service during each academic year, \$12,000 a year (6-11-60).
- KONZ, STEPHAN, Instructor in Mechanical Engineering (C), academic year beginning September 1, 1960, \$6,000 (6-17-60).
- KORMENDY, CHARLES G., Research Assistant in Chemistry (Pharmacy), June 16, 1960-August 31, 1961, \$4,800 a year (6-14-60).
- KRUIDENIER, FRANCIS J., Research Associate Professor of Zoology, two months from June 16, 1960, \$922 a month; this is in addition to his present appointment (5-27-60).
- KRUSE, ULRICH E., Assistant Professor of Physics (C), two months from June 16, 1960, \$944.44 a month; this is in addition to his present appointment (5-27-60).
- KUNIHITO, TOSHIRO, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$422.22 a month (5-27-60).

- LAITINEN, HERBERT A., Research Professor of Chemistry, on  $\frac{1}{2}$  time, one month from June 16, 1960, \$834; this is in addition to his present appointment (5-27-60); and Professor of Analytical Chemistry, indefinite tenure beginning September 1, 1960, to render service during each academic year, \$17,500 a year (6-27-60).
- LAMBRAKIS, HELEN, Research Assistant in Sociology, one month from June 16, 1960, \$400 (7-2-60).
- LAMKIN, GLENNA H., Assistant Professor of Home Economics, Summer Session of 1960,  $\frac{1}{2}$  time, June 20-July 16, 1960, \$334 for the period, supersedes her previous Summer Session appointment (7-2-60).
- LANBRY, JOSEPH P. F., Instructor in Physical Education for Men,  $\frac{1}{2}$  time, academic year beginning September 1, 1960, \$2,450 (6-15-60).
- LANGHAAR, HENRY L., Professor of Theoretical and Applied Mechanics, in the Indian Institute of Technology, Kharagpur, India, June 16 through August 31, 1960, \$1,680 a month; this is in addition to his present appointment; and beginning September 1, 1960, and continuing through July 31, 1961, \$20,820 a year (6-9-60).
- LAUGHNAN, JOHN R., Research Professor of Botany, two months from June 16, 1960, \$1,444 a month; this is in addition to his present appointment (7-2-60).
- LAVATELLI, LEO, Professor of Physics (C), two months from June 16, 1960, \$1,055.55 a month; this is in addition to his present appointment (5-27-60).
- LAZARUS, DAVID, Professor of Physics (C), July 1-31, 1960, and August 15-September 15, 1960, \$1,111.11 a month; this is in addition to his present appointment (5-27-60).
- LEDET, DAVID A., Assistant Professor of Music, Summer Session of 1960, June 20-August 13, 1960, \$1,356 for the period, supersedes his previous Summer Session appointment (6-17-60).
- LEEDOM, JOHN M., Research Assistant in Medicine (Medicine), one year from July 1, 1960, \$4,650 (6-17-60).
- LEHMANN, WILMA H., Research Assistant in Zoology, one month from June 16, 1960, \$400 (5-27-60).
- LEIGH, ROBERT D., Assistant in Physical Education for Men, nine months from September 16, 1960, \$5,200 (6-13-60).
- LEPPERT, ELLA, Associate Professor of Education, Summer Session of 1960, June 20-July 30, 1960, \$1,459 for the period (6-28-60).
- LERCH, HAROLD H., Assistant in Education, July 18-August 13, 1960, \$500 (6-17-60).
- LEWIS, WILLIAM A., Visiting Lecturer in Education, June 20-August 13, 1960, \$1,700 (7-7-60).
- LIDE, FRANCIS P., JR., Assistant in German, nine months from September 16, 1960, \$4,000 (6-20-60).
- LISTON, WILLIAM, Assistant in English, nine months from September 16, 1960, \$3,800 (6-14-60).
- LITTLEWOOD, JOHN M., Chemistry Library Assistant (Library), one year from September 1, 1960, \$5,200 (6-14-60).
- LITNER, NER, Clinical Assistant Professor of Psychiatry (Medicine),  $\frac{1}{4}$  time, ten months from July 1, 1960, \$250 a month, supersedes (7-11-60).
- LIU, CHAO-NING, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$466.66 a month (5-27-60).
- LIU, HAO WEN, Research Assistant Professor of Theoretical and Applied Mechanics (C), academic year beginning September 1, 1960, \$6,600 (6-18-60).
- LOVE, WILLIE N., Assistant Professor of English (Chicago Undergraduate Division), academic year beginning September 1, 1960, \$5,700 (6-14-60).
- LOW, LEONE Y., Instructor in Mathematics, to render service during the first semester of the academic year, September 1, 1960-February 28, 1961, \$500 a month (6-14-60).
- LUX, DONALD G., Associate Professor of Education, University Council on Teacher Education (Teacher Training Counseling),  $\frac{1}{2}$  time, June 16-August 13, 1960, \$1,912; this is in addition to his present appointment (6-18-60).
- LYMAN, ERNEST M., Research Professor in the Coordinated Science Laboratory (C), two months from June 16, 1960, \$1,355.55 a month; this is in addition to his present appointment (6-10-60).

- LYTTON, DALE F., Research Assistant in Sociology, three months from June 16, 1960, \$400 a month (6-3-60).
- MACHINE, XENIA, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1960, \$888.89 a month; this is in addition to his present appointment (6-24-60).
- MADSEN, ALBERT G., Assistant in Marketing (Agricultural Economics) (S), two months from July 1, 1960, \$406.67 a month, supersedes (6-25-60).
- MANN, DENNIS K., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{3}{4}$  time, June 20-August 31, 1960, \$362.50 a month (7-2-60).
- MAPOTHER, DILLON E., Professor of Physics (C), two months from June 16, 1960, \$1,111.11 a month; this is in addition to his present appointment (5-27-60).
- MAR, THERESE MING-CHUNG, Research Assistant in Microbiology, two months from June 16, 1960, \$400 a month (6-9-60).
- MARYANOV, GERALD S., Assistant Professor of Political Science, Summer Session of 1960,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$667 for the period (6-3-60).
- MATCHETT, WILLIAM H., Research Assistant in Botany, full time, two months from July 1, 1960, \$410 a month; and  $\frac{1}{2}$  time, ten months from September 1, 1960, \$205 a month (6-17-60).
- MATITYAHU, SHEINBLATT, Research Associate in Chemistry, one year from September 1, 1960, \$5,500 (6-18-60).
- MAURER, ROBERT J., Professor of Physics and Acting Associate Head of the Department (C), June 16-30, 1960, and August 1-September 15, 1960, \$1,622.22 a month; this is in addition to his present appointment (5-27-60).
- MAYESKE, GEORGE, Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-8-60).
- MCALLISTER, WALTER G., Associate Professor of Psychology, Summer Session of 1960,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$856 for the period (7-2-60).
- MCDIARMID, COLIN G., Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-8-60).
- MCDONALD, VINCENT J., Associate Professor of Civil Engineering (C), two months from June 16, 1960, \$888.89 a month; this is in addition to his present appointment (5-27-60).
- McFALL, ROBERT L., Instructor in Agricultural Engineering (C and S), August 1, 1960-August 31, 1961, \$6,800 a year (6-18-60).
- McGUIRE, WILLIAM J., Associate Professor of Psychology, two months from June 16, 1960, \$866.67 a month; this is in addition to his present appointment (6-8-60).
- McLAIN, DONALD D., JR., Research Associate in Botany, two months from June 16, 1960, \$500 a month (7-2-60).
- McMURRAY, CARL D., Research Assistant in Political Science, two months from June 16, 1960, \$400 a month (6-3-60).
- MELTON, JAMES O., Assistant in Agricultural Economics (S), two months from July 1, 1960, \$800 (6-25-60).
- MENACHOF, IRWIN, Clinical Instructor in Ophthalmology (Medicine), July 1, 1960-August 31, 1961, without salary (6-14-60).
- MENDEL, CLIFFORD W., JR., Research Assistant in the Coordinated Science Laboratory (C), June 16-August 31, 1960, \$440 a month, supersedes (6-20-60).
- MERRITT, J. LEVERING, JR., Assistant Professor of Civil Engineering,  $\frac{1}{2}$  time, Summer Session of 1960, June 20-August 13, 1960, \$834 for the period (6-10-60).
- METZGER, MARVIN, Associate Professor of Physical Metallurgy (Mining and Metallurgical Engineering) (C), two months from June 16, 1960, \$966.66 a month; this is in addition to his present appointment (6-17-60).
- MICHEL, GED A. W., Research Associate in Chemistry, one year from September 1, 1960, \$6,000 (6-14-60).
- MIRON, MURRAY S., Research Associate in the Institute of Communications Research, June 20-August 13, 1960, \$667 a month; this is in addition to his present appointment (5-31-60).
- MITCHELL, ROBERT V., Research Professor of Geography, one month from July 1, 1960, \$1,089; this is in addition to his present appointment (6-1-60).
- MON, MEHM TIN, Research Assistant in Chemistry, one month from June 16, 1960, \$400 (5-31-60).



- MONTY, JEANNE R., Instructor in French, academic year beginning September 1, 1960, \$6,000 (6-21-60).
- MORRILL, WALTER D., Acting Binding Librarian, with rank of Instructor, in the Library, July 1, 1960-August 31, 1961, \$6,000 a year (6-25-60).
- MORROW, JO DEAN, Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1960, \$888.88 a month; this is in addition to his present appointment (5-27-60).
- MOSBORG, ROBERT J., Associate Professor of Civil Engineering (C), June 16-August 31, 1960, \$944.44 a month; this is in addition to his present appointment (6-2-60).
- MOSS, JAMES W., Research Associate in the Institute for Research on Exceptional Children, June 16-August 31, 1960, \$700 a month (7-11-60).
- MUNSE, WILLIAM H., Professor of Civil Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1960, \$677.78 a month; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).
- MURRAY, MRS. HELEN N., Visiting Lecturer in Education, Summer Session of 1960, June 20-August 13, 1960, \$1,000 for the period (6-27-60).
- NAGAI, TOSHIO, Research Associate in Physiology, one year from September 1, 1960, \$6,000 (5-25-60).
- NAIKELIS, U. STANLEY, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$422.22 a month (6-11-60).
- NAKAZAWA, YASUO, Research Associate in Chemistry, one year from September 1, 1960, \$5,600 (6-9-60).
- NALBANDOV, OLGA G., Research Associate in Entomology,  $\frac{1}{2}$  time, July 1, 1960-August 31, 1961, \$3,000 a year (7-7-60).
- NANNY, DAVID L., Research Professor of Zoology, two months from June 16, 1960, \$1,333 a month; this is in addition to his present appointment (5-27-60).
- NEISWANGER, WILLIAM A., Research Professor of Economics, June 21-August 13, 1960, \$2,955.54 for the period; this is in addition to his present appointment (6-20-60).
- NEWMARK, NATHAN M., Professor of Civil Engineering and Head of the Department (C),  $\frac{3}{4}$  time, one month from June 16, 1960, \$1,625; this is in addition to his present appointment and to his Summer Session appointment (6-3-60).
- NORTON, MRS. ELEANOR K., Visiting Lecturer in Education, Summer Session of 1960, June 20-July 16, 1960, \$600 for the period (6-14-60).
- NOVICK, ROBERT, Associate Professor of Physics (C), June 16-30, 1960, \$1,111.11 a month; this is in addition to his present appointment (6-3-60).
- O'CONNELL, JAMES S., Research Associate in Physics (C), three months from June 1, 1960, \$541.66 a month, supersedes (6-10-60).
- OELKE, MERRITT C., Research Associate in Education, June 20-August 13, 1960, \$1,800 (6-4-60).
- OHLEN, MERLE M., Professor of Education,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$1,223; this is in addition to his present appointment and to his Summer Session appointment (6-18-60).
- O'KELLY, LAWRENCE I., Professor of Psychology, two months from June 16, 1960, \$1,366.67 a month; this is in addition to his present appointment (6-8-60).
- OLSON, ARNE L., Instructor in Physical Education for Men, academic year from September 1, 1960, \$5,500 (6-15-60).
- OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine), one month from August 1, 1960, \$512.50 (6-24-60).
- ORVEDAHL, JESSE, Research Associate in Education (University High School), one year from July 1, 1960, \$7,800 (6-23-60).
- PACHMUS, TEMIRA, Instructor in Russian, Summer Session of 1960, June 20-August 13, 1960, \$1,445 for the period (6-3-60).
- PADEN, DONALD W., Professor of Economics, June 16-August 3, 1960, \$2,081 for the period; this is in addition to his present appointment (6-24-60).
- PAPAGEORGIS, DEMETRIOS, Research Assistant in Psychology, one month from June 16, 1960, \$400 (6-8-60).
- PARTCH, HARRY, Research Associate in Music, one year from June 16, 1960, \$5,500 (6-25-60).
- PEEK, LEVIN J., JR., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$422.22 a month (5-27-60).

- PEPPER, ECHO D., Associate Professor of Mathematics, indefinite tenure beginning September 1, 1960, to render service during each academic year, \$8,500 a year (6-15-60).
- PETERS, MAX S., Professor of Chemical Engineering (S), two months from June 16, 1960, \$1,389 a month; this is in addition to his present appointment (6-2-60).
- PETERS, STANLEY C., Research Assistant in the Institute for Research on Exceptional Children, June 16-July 27, 1960, \$400 a month (6-18-60).
- PETTINGA, PAUL S., Counselor in the Student Counseling Service, two months from July 1, 1960, \$1,089 a month; this is in addition to his present appointment (5-31-60).
- PFALLER, MRS. SHIRLEY B., Research Assistant in Chemistry, two months from June 16, 1960, \$400 a month (6-9-60).
- PICKER, MARTIN, Instructor in Music,  $\frac{1}{2}$  time, Summer Session of 1960, June 20-August 13, 1960, \$412 for the period (6-28-60).
- PIGAGE, LEO C., Professor of Mechanical Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1960, \$528 a month; this is in addition to his present appointment (5-27-60).
- PLAMENAC, DRAGAN, Professor of Music,  $\frac{1}{2}$  time, Summer Session of 1960, June 20-August 13, 1960, \$1,267 for the period, supersedes his previous Summer Session appointment (7-12-60).
- PORTER, MAURICE G., Assistant Professor of Agricultural Law (Agricultural Economics) (C and S),  $\frac{1}{2}$  time, and of Civil Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1960, \$7,000 (6-24-60).
- PROFF, FRED C., Associate Professor of Education, June 20-August 13, 1960, \$1,956; this is in addition to his present appointment (6-18-60).
- PROSSER, C. LADD, Professor of Physiology, 81/100 time, one month from July 1, 1960, \$1,200; this is in addition to his present appointment (7-2-60).
- PUGH, ROBERT, Counselor in the Student Counseling Service, two months from June 16, 1960, \$756 a month, supersedes his appointment on  $\frac{1}{4}$  time as Counselor in the Student Counseling Service and is in addition to his present appointment as Assistant Professor of History (5-31-60).
- RAJAN, N. S., Assistant in the Radiocarbon Laboratory, two months from June 16, 1960, \$444.44 a month (6-3-60).
- RAMACHANDRAN, SURYANARAYAN, Research Associate in Plant Pathology (S), seven months from June 16, 1960, \$3,500 (6-6-60).
- RAPP, MARIE A., Circulation Librarian and Assistant Professor of Library Administration (Chicago Undergraduate Division), one year from September 1, 1960, \$8,000 (6-17-60).
- RAVENHALL, DAVID G., Associate Professor of Physics (C), two months from June 16, 1960, \$944.44 a month; this is in addition to his present appointment (5-27-60).
- RAY, SYLVIAN R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, \$500 a month (6-28-60).
- READ, THOMAS A., Professor of Metallurgical Engineering and Head of the Department of Mining and Metallurgical Engineering (C), two months from June 16, 1960, \$1,833.33 a month; this is in addition to his present appointment (6-2-60).
- RHODES, DAVID R., Research Assistant in Chemistry, two months from June 16, 1960, \$400 a month (5-31-60).
- RIBENBOIM, PAULO, Visiting Associate Professor of Mathematics, academic year beginning September 1, 1960, \$7,500 (6-15-60).
- RODRIGUEZ, JOSE J., Instructor in Theoretical and Applied Mechanics,  $\frac{1}{2}$  time, Summer Session of 1960, June 20-August 13, 1960, \$612 for the period (6-13-60).
- ROEPKE, HOWARD G., Research Associate Professor of Geography, August 1-19, 1960, \$555; this is in addition to his present appointment (6-1-60).
- ROSE, S. MERYL, Research Professor of Zoology, two months from June 16, 1960, \$1,411 a month; this is in addition to his present appointment (5-27-60).
- ROSENBERG, HENRY M., Assistant Professor of Radiology (Dentistry),  $\frac{3}{4}$  time, one year from September 1, 1960, \$6,000 (6-25-60).
- ROSTAS, MRS. JOELLE, Research Assistant in Aeronautical Engineering (C), two months from June 16, 1960, \$444 a month (6-18-60).

- ROTUNNO, MARTIN A., Recreation Director of the Speech-Summer Residential Program,  $\frac{1}{2}$  time, Summer Session of 1960, June 20-August 13, 1960, \$175 for the period (7-2-60).
- ROUFFA, A. S., Associate Professor of Biological Sciences (Chicago Undergraduate Division), Summer Session of 1960, June 17-August 12, 1960, \$1,950 for the period (6-24-60).
- ROWE, KEITH A., Research Assistant in Mathematics, June 16-August 15, 1960, \$400 a month, supersedes his Summer Session appointment (6-8-60).
- ROWE, WILLIAM L., Instructor in Philosophy, academic year from September 1, 1960, \$5,600 (6-16-60).
- RUPPRECHT, EVELYN, Research Assistant in the Institute for Research on Exceptional Children, June 13-August 5, 1960, \$1,000 (6-3-60).
- RUTTER, WILLIAM J., Research Assistant Professor of Chemistry, two months from June 16, 1960, \$1,089 a month; this is in addition to his present appointment (6-8-60).
- SABINE, CLARK L., Instructor in Occupational Therapy (Medicine), three months from June 1, 1960, \$491.69 a month (6-17-60).
- SAPP, DENNIS H., Research Assistant in the Small Homes Council-Building Research Council, two months from June 16, 1960, \$400 a month (6-1-60).
- SAVITCH, GLORIA A., Research Assistant in the Institute for Research on Exceptional Children, June 13-August 5, 1960, \$1,000 (6-20-60).
- SCHRIEFFER, J. ROBERT, Assistant Professor of Physics (C), two months from June 16, 1960, \$800 a month; this is in addition to his present appointment (6-7-60).
- SCHUG, JOHN C., Research Assistant in Chemistry, three months from June 16, 1960, \$400 a month (7-11-60).
- SCHWARZ, MARVIN J., Assistant Professor of Psychiatry (Medicine), two months from July 1, 1960, \$1,083.33 a month (5-25-60).
- SEAMAN, RICHARD, Counselor in the Student Counseling Service, June 15-August 14, 1960, \$428 a month (6-2-60).
- SELANDER, RICHARD B., Assistant Professor of Entomology, June 16-August 31, 1960, \$727.77 a month; this is in addition to his present appointment (5-25-60).
- SEYLER, JIMMY W., Assistant Professor of Civil Engineering (C), two months from June 16, 1960, \$1,600; this is in addition to his present appointment (5-31-60).
- SHAFFER, LOUIS R., Instructor in Civil Engineering (C), two months from June 16, 1960, \$689 a month; this is in addition to his present appointment (5-27-60).
- SHAFFER, VIRGINIA F., Visiting Lecturer in Education, Summer Session of 1960, June 20-August 13, 1960, \$1,200 for the period (6-10-60).
- SHERWIN, CHALMERS W., Associate Director of the Coordinated Science Laboratory (C), two months from June 16, 1960, \$1,555.55 a month; this is in addition to his present appointment (6-21-60).
- SHERWOOD, FRANKLIN B., Assistant in Food Technology (S), two months from July 1, 1960, \$422.22 a month (5-31-60).
- SHINER, VERNON J., JR., Visiting Lecturer in Chemistry, Summer Session of 1960, June 20-August 13, 1960, \$2,000 for the period (6-3-60).
- SHIOURA, NORIO, Research Associate in the Aeromedical Laboratory, two months from July 1, 1960, \$616.66 a month (7-2-60).
- SHOEMAKER, DONALD J., Assistant Professor of Psychology,  $\frac{1}{2}$  time, two months from June 16, 1960, \$388.89 a month; this is in addition to his present appointment and to his Summer Session appointment (6-8-60).
- SHOEMAKER, WILFRED L., Assistant Professor of Education, June 20-August 13, 1960, \$1,534; this is in addition to his present appointment (7-7-60).
- SHUPP, FRANKLIN R., Assistant Professor of Economics, academic year from September 1, 1960, \$7,250 (6-20-60).
- SIEGEL, FREDERICK P., Assistant Professor of Pharmacy (Pharmacy), June 20-July 30, 1960, \$1,287; this is in addition to his present appointment (6-7-60).
- SIEGEL, PETER, Instructor in Obstetrics and Gynecology (Medicine), one year from July 1, 1960, \$9,600 (6-25-60).
- SLESS, CHESTER P., Professor of Civil Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1960, \$677.78 a month; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (5-27-60).
- SILVA, PAUL C., Research Associate Professor of Botany, one month from June 16, 1960, \$966.66; this is in addition to his present appointment (6-27-60).

- SILVIA, DANIEL S., JR., Assistant in English, nine months from September 16, 1960, \$3,800 (6-14-60).
- SIMMONS, RALPH O., Assistant Professor of Physics (C), two months from June 16, 1960, \$800 a month; this is in addition to his present appointment (5-27-60).
- SINCLAIR, GEORGE M., Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1960, \$1,188.89 a month; this is in addition to his present appointment (5-27-60).
- SINCLAIR, HAROLD R., JR., Assistant in Agronomy (C and S), two months from July 1, 1960, \$400 a month, supersedes (6-25-60).
- SINNAMON, GEORGE K., Associate Professor of Civil Engineering (C), two months from June 16, 1960, \$911.11 a month; this is in addition to his present appointment (5-27-60).
- SLICHTER, CHARLES P., Professor of Physics (C), two months from July 1, 1960, \$1,444.44 a month; this is in addition to his present appointment (5-27-60).
- SMITH, CEDRIC M., Associate Professor of Pharmacology (Medicine), two months from July 1, 1960, \$1,111.11 a month; this is in addition to his present appointment (6-25-60).
- SMITH, JAMES H., Associate Professor of Physics (C), June 16-30, 1960, and August 1-September 15, 1960, \$955.55 a month; this is in addition to his present appointment (5-27-60).
- SMITH, STANLEY G., Instructor in Organic Chemistry (Chemistry and Chemical Engineering), academic year beginning September 1, 1960, \$6,300 (6-21-60).
- SNIDER, CLYDE F., Professor of Political Science and Chairman of the Department,  $\frac{3}{4}$  time, Summer Session of 1960, June 20-August 13, 1960, \$1,926 for the period, supersedes his previous Summer Session appointment (6-3-60).
- SOO, SHAO LEE, Professor of Mechanical Engineering (C),  $\frac{3}{4}$  time, two months from June 16, 1960, \$1,834; this is in addition to his present appointment (5-27-60).
- SOZEN, METE AVNI, Associate Professor of Civil Engineering (C), two months from June 16, 1960, \$900 a month; this is in addition to his present appointment (5-27-60).
- SPIEGELMAN, SOL, Professor of Microbiology, two months from June 16, 1960, \$1,666.66 a month; this is in addition to his present appointment (6-17-60).
- SPURLOCK, JEANNE, Clinical Assistant Professor of Psychiatry (Medicine),  $\frac{1}{4}$  time, ten months from July 1, 1960, \$208.33 a month, supersedes (7-11-60).
- STALLMEYER, JAMES E., Associate Professor of Civil Engineering (C), two months from July 1, 1960, \$1,000 a month; this is in addition to his present appointment (6-2-60).
- STANACEV, NIKOLA Z., Research Associate in Chemistry, one year from September 1, 1960, \$5,900 (6-14-60).
- STEGGERDA, FREDERIC R., Professor of Physiology,  $\frac{3}{4}$  time, two months from June 16, 1960, \$916.66 a month; this is in addition to his present appointment (6-1-60).
- STEINBERG, MARVIN A., Research Assistant in the Institute for Research on Exceptional Children, June 16-July 27, 1960, \$400 a month (6-3-60).
- STEMMLER, ROSEMARIE M., Assistant Professor of Mathematics, two months from June 16, 1960, \$666.66 a month; this is in addition to her present appointment (5-25-60).
- STEWART, EDWARD B., Instructor in Oral and Maxillofacial Surgery (Dentistry), 3/10 time, one year from September 1, 1960, \$1,800 (6-25-60).
- STOLUROW, LAWRENCE M., Professor of Psychology, in the Department of Psychology and in the Institute for Research on Exceptional Children, two months from June 16, 1960, \$1,022.22 a month; this is in addition to his present appointment (7-7-60).
- STONE, J. E., Research Assistant in Geology, two months from July 1, 1960, \$400 a month (7-11-60).
- STREET, NORMAN, Professor of Petroleum Engineering (Mining and Metallurgical Engineering) (C), one month from July 16, 1960, \$1,000; this is in addition to his present appointment (7-2-60).
- SUCHMAN, J. RICHARD, Associate Professor of Education,  $\frac{1}{4}$  time, June 20-August 13, 1960, \$878; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).
- SUTTON, DAVID C., Research Associate in Physics (C), one year from September 1, 1960, \$7,200 (6-14-60).

- SWERDLOW, MARTIN A., Clinical Associate Professor of Pathology (Medicine), indefinite tenure from September 1, 1960, without salary (6-7-60).
- TANG, CHIEN H., Research Assistant in Electrical Engineering (S), three months from June 1, 1960, \$416.67 a month, supersedes (6-17-60).
- TAYLOR, AUBREY B., Professor of Physiology, two months from June 16, 1960, \$1,055.55 a month; this is in addition to his present appointment (6-3-60).
- TELLING, FERN, Housemother (Speech Summer Residential Program), Summer Session of 1960, June 20-August 13, 1960, \$200 for the period (6-27-60).
- TEN BRINKE, DIRK P., Visiting Lecturer in Education, June 20-August 13, 1960, \$1,500 (6-18-60).
- THORNBURN, THOMAS H., Professor of Civil Engineering (S), one month from June 16, 1960, \$1,166.67; this is in addition to his present appointment (5-27-60).
- TORCHIA, PETER, Research Assistant in the Institute for Research on Exceptional Children, June 13-August 5, 1960, \$1,000 (6-3-60).
- TOTTEN, DONALD F., Assistant in Mathematics, full time, Summer Session of 1960, June 20-August 13, 1960, \$800 for the period, supersedes his previous Summer Session appointment (7-11-60).
- TRIGGER, KENNETH J., Professor of Mechanical Engineering (C),  $\frac{3}{4}$  time, two months from June 16, 1960, \$1,000 a month; this is in addition to his present appointment (5-27-60).
- TUCKER, MARIE, Research Assistant in Zoology, two months from July 1, 1960, \$400 a month (5-27-60).
- TUSHAUS, JAMES P., Assistant Dean of the College of Commerce and Business Administration, 7/10 time, and Instructor in Marketing, 3/10 time, August 1, 1960-August 31, 1961, \$9,200 a year (6-24-60).
- UTLEY, DAVID G., Assistant to the Director of the Office of Foreign Students, July 1, 1960-August 31, 1961, \$5,500 a year (6-15-60).
- VAN HOLDE, KENSAL E., Research Assistant Professor of Chemistry, two months from June 16, 1960, \$900 a month; this is in addition to his present appointment (6-8-60).
- VAN VALKENBURG, MAC E., Professor of Electrical Engineering (C), two months from June 16, 1960, \$1,666.67 a month; this is in addition to his present appointment (5-27-60).
- VAUGHAN, HERBERT E., Professor of Mathematics (Education), June 20-August 13, 1960, \$2,444.44; this is in addition to his present appointment (5-27-60).
- VELETOS, ANESTIS S., Professor of Civil Engineering (C), two months from June 16, 1960, \$1,066.67 a month; this is in addition to his present appointment (5-27-60).
- VERDEYEN, JOSEPH T., Instructor in Electrical Engineering (C), academic year beginning September 1, 1960, \$6,400 (6-21-60).
- VERKADE, JOHN G., Research Assistant in Chemistry, two months from June 16, 1960, \$489 a month (5-25-60).
- VESTLING, CARL S., Research Professor of Chemistry,  $\frac{1}{2}$  time, July 17-August 16, 1960, \$778; this is in addition to his present appointment (6-9-60).
- VOGL, HERWARD A., Research Associate in Chemistry, six months from August 1, 1960, \$575 a month (5-31-60).
- VOGL, WADE W., Assistant in the Institute of Aviation, June 20-August 13, 1960, \$450 a month (6-9-60).
- VOGT, ROBERT M., Assistant in Mathematics, Summer Session of 1960, June 20-August 13, 1960, \$800 for the period (7-11-60).
- WACHSMAN, JOSEPH T., Assistant Professor of Microbiology, two months from June 16, 1960, \$744 a month; this is in addition to his present appointment (6-8-60).
- WALKER, MARLENE S., Assistant in English, Summer Session of 1960, June 20-August 13, 1960, \$845 for the period (7-2-60).
- WARRINGTON, THOMAS, Assistant in German, full time, Summer Session of 1960, June 20-August 13, 1960, \$889 for the period, supersedes his previous Summer Session appointment (7-2-60).
- WAKE, EDWARD E., Research Associate in the Institute of Communications Research, June 20-August 13, 1960, \$1,311.10; this is in addition to his present appointment (5-25-60).
- WATKINS, PHILLIP W., Assistant in Agronomy (S), July 1-September 15, 1960, \$400 a month (7-2-60).

- WATT, JANE C., Professor of Music, Summer Session of 1960, June 20-August 13, 1960, \$2,112 for the period, supersedes his previous Summer Session appointment (7-11-60).
- WAYMAN, CLARENCE M., Assistant Professor of Metallurgical Engineering (Mining and Metallurgical Engineering) (C), two months from June 16, 1960, \$777.77 a month; this is in addition to his present appointment (6-17-60).
- WEBBER, CARL E., Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-9-60).
- WEICHSEL, PAUL M., Instructor in Mathematics, academic year beginning September 1, 1960, \$6,750 (6-15-60).
- WEINSTEIN, SHIRLEY, Instructor in Medical Social Work (Medicine), six months from July 1, 1960, \$510 a month (7-2-60).
- WEMPNER, GERALD A., Visiting Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1960, \$883 a month, supersedes (7-2-60).
- WENDT, MARTHA, Visiting Lecturer in Music, Summer Session of 1960,  $\frac{1}{2}$  time, June 26-July 23, 1960, \$267 for the period (6-28-60).
- WERT, CHARLES A., Professor of Physical Metallurgy (Mining and Metallurgical Engineering) (C), two months from June 16, 1960, \$1,333.33 a month; this is in addition to his present appointment (6-17-60).
- WEST, CHARLES A., Visiting Lecturer in Chemistry, Summer Session of 1960, June 20-August 13, 1960, \$2,000 for the period (6-20-60).
- WESTWATER, JAMES W., Professor of Chemical Engineering (S),  $\frac{1}{2}$  time, two months from June 16, 1960, \$528 a month; this is in addition to his present appointment and to his Summer Session appointment (6-2-60).
- WHEATLEY, JOHN C., Associate Professor of Physics (C), two months from June 16, 1960, \$1,000 a month; this is in addition to his present appointment (5-27-60).
- WHITE, ROBERT A., Instructor in Mechanical Engineering, Summer Session of 1960,  $\frac{1}{2}$  time, June 20-August 13, 1960, \$578 for the period (6-13-60).
- WIGGERS, NATALIE S., Instructor in Home Economics (4-H Club Work) (E), July 1, 1960-August 31, 1961, \$6,500 a year (6-7-60).
- WILBING, LAWRENCE P., Assistant in Agronomy (S), three months from June 16, 1960, \$400 a month (6-25-60).
- WILLARD, D. DEAN, Law Library Assistant, with rank of Instructor, July 18, 1960-August 31, 1961, \$5,500 a year (6-15-60).
- WILLIAMS, THOMAS H., Research Assistant in Accountancy, June 20-August 13, 1960, \$1,023; this is in addition to his present appointment (5-31-60).
- WILSON, JOHN P., Visiting Lecturer in Anthropology, Summer Session of 1960, June 20-August 13, 1960, \$1,000 for the period (6-17-60).
- WINDLAND, MRS. NANCY F., Research Assistant in Microbiology, June 6, 1960-August 31, 1961, \$387.50 a month (6-21-60).
- WISNER, RICHARD P., Research Associate in the Coordinated Science Laboratory (C), June 16-August 31, 1960, \$6,500 a year, supersedes (6-7-60).
- WOLD, FINN, Research Assistant Professor of Chemistry, two months from June 16, 1960, \$800 a month; this is in addition to his present appointment (6-3-60).
- WOLFE, RALPH S., Associate Professor of Microbiology, two months from June 16, 1960, \$1,000 a month; this is in addition to his present appointment (6-17-60).
- WORLEY, WILL J., Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1960, \$911.11 a month; this is in addition to his present appointment (6-17-60).
- WYMAN, MARVIN E., Professor of Physics and of Nuclear Engineering (C), two months from June 16, 1960, \$1,444.44 a month; this is in addition to his present appointment (6-2-60).
- XHIGNESSE, LOUIS V., Research Assistant in Psychology, two months from June 16, 1960, \$400 a month (6-9-60).
- YANCEY, THOMAS A., Research Assistant Professor of Economics, June 21-August 13, 1960, \$1,911.10 for the period; this is in addition to his present appointment (6-20-60).
- YANKWICH, PETER E., Research Professor of Chemistry, June 16-August 31, 1960, \$1,222.23 a month; this is in addition to his present appointment (6-4-60).
- YANO, NOBUMITSU, Research Assistant in Food Technology (S), three months from June 1, 1960, \$458.33 a month, supersedes (6-15-60).

- YOSHINO, UMEO, Assistant in Food Technology (S), one year from September 1, 1960, \$4,800 (6-14-60).  
 YUSEM, MILTON, Research Associate in Clinical Science (Medicine), four months from May 1, 1960, \$500 a month (5-25-60).  
 ZARING, WILSON M., Assistant Professor of Mathematics, June 20-August 13, 1960, \$1,666.66; this is in addition to his present appointment (5-27-60).  
 ZIMMERMAN, MRS. MARIE, Counselor in the Student Counseling Service, two months from July 1, 1960, \$500 a month (6-2-60).

#### FELLOWS

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

- PUNDT, HERMAN G., Mary C. McLellan Scholar in Art for 1960-61.  
 TIMM, WAYNE A., Kate Neal Kinley Memorial Fellow for 1960-61.

#### GRADUATE FELLOWS

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

- AMIN, RAJNIKANT B., Lead Industries Fellow in Ceramic Engineering, nine months from September 16, 1960, \$2,000 (6-8-60).  
 BAEK, DANIEL, Student Public Health Service Fellow in the Chicago Professional Colleges, two months from July 1, 1960, \$600 (6-17-60).  
 BALABAN, MARTIN, United States Public Health Service Postdoctoral Fellow in Psychiatry (Medicine), eight months from January 1, 1960, without stipend (5-27-60).  
 BECK, JAMES R., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).  
 BENTRUDE, WESLEY G., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).  
 BLAZEK, WILLIAM V., United States Public Health Service Fellow in Medicine (Special) (Chicago Professional Colleges), one year from July 1, 1960, without stipend (6-17-60).  
 BOJANOWSKI, ROBERT J., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 1, 1960, \$600 (6-20-60).  
 BORDERS, DONALD B., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).  
 BOYER, ALVIN C., United States Public Health Fellow (Trainee) in Chemistry, two months from June 16, 1960, \$450 (6-9-60).  
 BRAKE, JON M., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, \$440 (6-8-60).  
 BROWN, GEORGE D., Fellow in Law, Summer Session of 1960, June 20-August 13, 1960, \$350 for the period (6-23-60).  
 BURMAN, ROBERT L., General Dynamics Corporation Fellow in Physics, nine months from September 16, 1960, \$2,000 (6-3-60).  
 BURNS, RICHARD O., Upjohn Company Fellow in Microbiology, one year from June 16, 1960, \$2,000 (5-23-60).  
 BUSTA, FRANCIS F., Wright Fellow in Food Technology, nine months from September 16, 1960, \$1,500 (6-24-60).  
 CARLSON, CHARLES G., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).  
 CHANDRASEKHAR, GARADI R., Upjohn Company Fellow in the Chicago Professional Colleges, one year from July 1, 1960, \$3,600 (6-17-60).  
 CHANG, PI-YU, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-20-60).  
 DEGENFORD, JAMES A., Alfred P. Sloan Faculty Development Teaching Fellow in Electrical Engineering, nine months from September 16, 1960, \$2,400 (6-10-60).  
 DEPINTO, JOHN A., JR., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).  
 DEWAN, R. K., Firestone Tire and Rubber Company Fellow in Chemistry, nine months from September 16, 1960, \$1,500 (5-31-60).  
 DOWNING, GEORGE L., Mathematics Institute Fellow in Mathematics, nine months from September 16, 1960, \$4,350 (5-1-60).  
 DREW, ERNEST H., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).

- ECONOMOU, PETER, United States Public Health Service Postdoctoral Fellow (Trainee) in Medicine (Chicago Professional Colleges), one year from July 1, 1960, \$4,500 (5-11-60).
- EIDLIC, LIA, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- ENDRES, JOSEPH G., United States Public Health Service Fellow (Trainee) in Food Technology, nine months from September 16, 1960, \$2,200 (6-28-60).
- FELDMAN, ROSS, Seymour Vestmark Fellow in the Chicago Professional Colleges, two months from July 1, 1960, \$120 (6-17-60).
- FISHER, THOMAS H., Roger Adams Fellow in Chemistry, nine months from September 16, 1960, \$1,800, supersedes (5-31-60).
- FRIEDMAN, STEPHEN B., United States Public Health Service Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-28-60).
- FRUCHTMAN, STANLEY A., United States Public Health Service Fellow (Trainee) in Allergy (Chicago Professional Colleges), ten months from September 1, 1959, \$4,500, supersedes (5-18-60).
- GARDELLA, LIBERO, University Fellow in the Chicago Professional Colleges, nine months from September 1, 1960, \$1,500 (6-17-60).
- GILBERT, DEWEY, Student Public Health Service Fellow in the Chicago Professional Colleges, two months from July 1, 1960, \$600 (6-17-60).
- GOLDIN, ELLIOT, Wallace Laboratories Medical Student Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, \$600 (6-17-60).
- GRIMM, ARTHUR F., University Postdoctoral Fellow in the Chicago Professional Colleges, three months from June 1, 1960, \$750 (6-17-60).
- GROESCHEL, EDWARD C., Campbell Soup Company Fellow in Food Technology, nine months from September 16, 1960, \$2,400, supersedes (6-24-60).
- GUIRE, PATRICK E., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1960, \$450 (6-8-60).
- HAERTLING, GENE H., Lead Industries Fellow in Ceramic Engineering, nine months from September 16, 1960, \$2,000 (6-8-60).
- HALL, CHARLES A., National Lead Company Fellow in Ceramic Engineering, nine months from September 16, 1960, \$1,740 (6-8-60).
- HAYASHI, MASAKI, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- HERNESS, ERVIN, Alfred P. Sloan Faculty Development Fellow in Civil Engineering, nine months from September 16, 1960, \$1,800, supersedes (6-10-60).
- HSU, WEN-TAH, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- KEMP, EMORY L., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1960, \$1,000, supersedes (6-15-60).
- KOHL, ELIZABETH N., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-8-60).
- LECHI, FRANCESCO, Wright Fellow in Agricultural Economics, nine months from September 16, 1960, \$1,500 (4-21-60).
- LEE, CHIN KEE, United States Public Health Service Fellow (Trainee) in Microbiology, September 1, 1960-June 15, 1961, \$1,900, supersedes (6-3-60).
- LOMBNAES, SAEMUND, Special Fellow in Law, nine months from September 16, 1960, \$1,500 (6-8-60).
- MCCLENTIC, RICHARD D., International Business Machines Fellow in Data Processing, nine months from September 16, 1960, \$2,500 (6-8-60).
- MEYEROVITZ, ROBERT, United States Public Health Service Student Fellow in Psychiatry (Chicago Professional Colleges), two months from July 1, 1960, \$600 (6-17-60).
- MICKEVICIUS, O. EUGENIJA, United States Public Health Service Fellow (Trainee) in Pharmacology (Chicago Professional Colleges), July 1-September 15, 1960, \$600 (6-17-60).
- MIZUKAMI, HIROSHI, United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1960, \$2,666 (6-22-60).
- MORA, FERNANDO, United States Public Health Service Summer Fellow (Trainer) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- NIEDZIELSKI, ROBERT J., Koppers Foundation Summer Fellow in Chemistry, two months from June 16, 1960, \$600, supersedes (6-20-60).
- PAISLEY, NANCY S., United States Public Health Fellow (Trainee) in Chemistry, two months from June 16, 1960, \$450 (6-8-60).



- PEARSON, ROBERT E., Standard Oil Foundation Fellow in Chemistry, nine months from September 16, 1960, \$2,000 (6-17-60).
- PIDKOWSKI, MICHAEL, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- RHODES, YORKE E., JR., Koppers Foundation Summer Fellow in Chemistry, two months from June 16, 1960, \$600, supersedes (6-20-60).
- ROWE, JANET A., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- ROBINSTEIN, DANIEL, United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1960, \$2,666 (6-22-60).
- SHARP, JAMES B., JR., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 1, 1960, \$5,200 (5-31-60).
- SIEGERT, ROBERT F., Ciba Products Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, \$600 (6-17-60).
- SLAGEL, ROBERT C., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).
- SOBIESK, EMORY J., Abbott Laboratories Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, \$600 (6-17-60).
- SOLOWAY, HARRY, Student Public Health Service Fellow in the Chicago Professional Colleges, two months from July 1, 1960, \$600 (6-17-60).
- SPICER, LARRY, Roger Adams Fellow in Chemistry, nine months from September 16, 1960, \$1,800, supersedes (5-31-60).
- STEVENS, JOHN K., Summer Fellow in History, two months from June 16, 1960, \$350 (4-25-60).
- SULLIVAN, DENIS G., Fellow in Political Science, August 1-September 15, 1960, \$450, supersedes (7-11-60).
- TEMPERLEY, NICHOLAS M., Postdoctoral Fellow in Music, one year from September 1, 1960, \$4,200 (6-7-60).
- TENNY, KENNETH S., United States Public Health Service Fellow (Trainee) in Food Technology, three months from June 16, 1960, \$550 (5-23-60).
- THOR, DANIEL E., Wallace Laboratories Medical Student Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, \$600 (6-17-60).
- UEBEL, JACOB J., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).
- UNDERWOOD, ERNEST E., Mathematics Institute Fellow in Mathematics, nine months from September 16, 1960, \$4,800 (5-1-60).
- UNGER, LEON, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- UPPER, CHRISTEN D., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, \$440 (6-23-60), and National Science Foundation Cooperative Fellow in Chemistry, one year from August 16, 1960, \$2,200, supersedes (6-23-60).
- VAICHULIS, EUGENE M., University Fellow in the Chicago Professional Colleges, nine months from September 1, 1960, \$1,500 (6-17-60).
- WEDEGAERTNER, DONALD K., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, \$400 (6-2-60).
- WESTMAN, THOMAS L., Esso Research and Engineering Company Postdoctoral Fellow in Chemistry, one year from September 16, 1960, \$5,500 (5-19-60).
- WESTON, ELIZABETH, Fellow in Chemistry, nine months from September 16, 1960, \$1,650, (4-1-60).
- WILEY, WILLIAM R., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- WOODFIN, BEULAH M., United States Public Health Service Fellow (Trainee) in Chemistry, for two months beginning June 16, 1960, \$450 (6-8-60).
- WRIGHT, WILLIAM V., United States Public Health Service Fellow (Trainee) in Food Technology, nine months from September 16, 1960, \$2,200 (6-28-60).
- WULLER, JEROME E., Universal Match Corporation Fellow in Chemistry, nine months from September 16, 1960, \$1,800 (6-9-60).
- YANKOVSKY, SAUL A., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, \$600 (6-21-60).
- YURKOVSKY, ABRAHAM, United States Public Health Service Fellow (Trainee) in Allergy (Chicago Professional Colleges), one year from July 1, 1960, \$6,000 (5-16-60).

ZARONE, VINCENT, JR., United States Public Health Service Fellow (Trainee) in Pharmacology (Chicago Professional Colleges), July 1-September 15, 1960, \$600 (6-17-60).

ZATMAN, LEONARD J., Postdoctoral Fellow in Chemistry, two months from July 1, 1960, \$2,000 (7-11-60).

#### RESIGNATIONS AND DECLINATIONS

ADAMS, MRS. RUBY, Assistant in Home Economics—resignation effective September 1, 1960.

AGUILAR, VIRGINIA, Research Assistant in Psychiatry (Medicine)—declination effective September 1, 1960.

ALLEN, RICHARD D., Fellow in Botany—resignation effective September 16, 1960.

AUBERTIN, MRS. MARY P., Assistant in Horticulture—resignation effective June 26, 1960.

BAIR, WILLARD E., Assistant Professor of Mechanical Engineering—declination effective June 16, 1960.

BERGLUND, WINIFRED, Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1960—resignation effective June 20, 1960.

BIJVOET, PAUL, Research Associate in Pharmacology (Medicine)—resignation effective July 1, 1960.

BLANCHARD, WOODROW W., Research Assistant in Microbiology—resignation effective June 16, 1960.

BOND, HARLEY W., United States Public Health Service Fellow (Trainee) in Pharmacology (Chicago Professional Colleges)—resignation effective June 30, 1960.

BROCKRIEDE, WAYNE E., Assistant Professor of Speech—resignation effective September 1, 1960.

BROOKS, MARY C., Research Assistant in the State Water Survey—resignation effective June 16, 1960.

BUSCH, HARRIS, Professor of Pharmacology (Medicine)—resignation effective September 1, 1960.

CARLETON, PAULINE A., Assistant Law Librarian, with rank of Assistant Professor—declination effective September 1, 1960.

CASTEN, SABINE H., Instructor in Chemistry (Chicago Undergraduate Division)—resignation effective September 1, 1960.

CHURCH, MARTHA J., University Fellow in the Chicago Professional Colleges—resignation effective May 12, 1960.

COBIN, MARTIN T., Associate Professor of Speech, Summer Session of 1960—resignation effective June 20, 1960.

CORE, ALFRED C., Instructor in Physics (Pharmacy)—declination effective September 1, 1960.

DANELSKI, DAVID J., Fellow in Political Science—resignation effective June 16, 1960.

DEPINTO, JOHN A., JR., United States Public Health Service Summer Fellow (Trainee) in Microbiology—resignation effective June 16, 1960.

DIAL, MRS. JEANNE, Research Assistant in Microbiology—resignation effective July 1, 1960.

DIERS, HERMAN H., Assistant in English—resignation effective September 16, 1960.

DIPASQUALE, RAYMOND A., Assistant Professor of Architecture—resignation effective September 1, 1960.

DONAHUE, GILBERT E., Librarian in the Institute of Labor and Industrial Relations, with rank of Assistant Professor—resignation effective September 1, 1960.

DUNLAP, HOWARD L., Catalog Assistant in the Library—resignation effective September 1, 1960.

EBERSOLE, ELLEN H., Instructor in Home Economics—resignation effective September 1, 1960.

EBNER, KURT E., Assistant in Dairy Science—resignation effective July 1, 1960.

EMRICK, ROY M., Research Associate in Physics—resignation effective July 23, 1960.

ENGLAND, RALPH W., JR., Assistant Professor of Sociology—resignation effective September 1, 1960.

- ETTER, DONALD E., Research Assistant in the State Water Survey — declination effective July 1, 1960.
- EWING, BENJAMIN B., Associate Professor of Civil Engineering, Summer Session of 1960 — resignation effective June 20, 1960.
- FELDKAMP, GERMAINE E., Resident Assistant in Allen Hall — declination effective September 1, 1960.
- FERGUSON, GEORGE B., Assistant in English — declination effective September 16, 1960.
- FISHER, JANET L., Instructor in Mathematics (Pharmacy) — declination effective September 1, 1960.
- FORREST, RALPH L., Assistant in Agricultural Economics — resignation effective July 20, 1960.
- FRUCHTMAN, STANLEY A., United States Public Health Service Fellow (Trainee) in Allergy (Chicago Professional Colleges) — resignation effective July 1, 1960.
- GARFINKEL, MARVIN, Research Associate in Physics — resignation effective July 18, 1960.
- GOTHELF, BERNARD, Research Assistant in Psychiatry (Medicine) — declination effective September 1, 1960.
- GRAFFIS, DON W., Assistant in Agronomy — resignation effective August 1, 1960.
- GREEN, PATRICIA, Instructor in Occupational Therapy (Medicine) — declination effective September 1, 1960.
- GUEVARA, PEDRO A., JR., Instructor in Full and Removable Partial Dentures (Dentistry) — resignation effective September 1, 1960.
- GUROLNICK, CAROL S., Assistant in English — resignation effective September 16, 1960.
- HALLOWELL, ROBERT E., Assistant Professor of French — resignation effective September 1, 1960.
- HALSTEAD, BETTY J., Serials Cataloger in the Library with rank of Instructor — declination effective September 1, 1960.
- HART, HOWARD R., JR., Research Associate in Physics — resignation effective June 25, 1960.
- HECKARD, LAWRENCE R., Assistant Professor of Botany — resignation effective September 1, 1960.
- HOCH, ALICE, Research Assistant in Biological Chemistry (Medicine) — resignation effective July 10, 1960.
- HOFFMAN, JARRETT D., Research Assistant in Agricultural Entomology — resignation effective July 1, 1960.
- HOGAN, DONALD J., Instructor in English, Summer Session of 1960 — declination effective June 20, 1960.
- HOPKINS, JERRY D., Assistant in English — resignation effective September 16, 1960.
- HOWE, CLIFFORD E., Assistant Professor of Education, and Assistant Professor in the Institute for Research on Exceptional Children — declination effective September 1, 1960.
- HUBBARD, MARY O., Instructor in Home Economics — resignation effective September 1, 1960.
- HUTTON, CHARLES L., JR., Assistant Professor of Speech — resignation effective September 1, 1960.
- JEFFAY, ANA I., Research Associate in Applied Materia Medica and Therapeutics (Dentistry) — resignation effective May 17, 1960.
- JONES, C. CLYDE, Assistant Dean of the College of Commerce and Business Administration and Associate Professor of Economics — resignation effective September 1, 1960.
- JONES, LOUISE G., Assistant Editor, with rank of Assistant in Agriculture — resignation effective August 31, 1960.
- KAL, EDMUND, United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges) — resignation effective May 1, 1960.
- KARPLUS, MARTIN, Associate Professor of Physical Chemistry — declination effective September 1, 1960.
- KOKENES, BARBARA, Visiting Lecturer in Education, Summer Session of 1960 — resignation effective June 20, 1960.
- KOS, EDWARD S., Instructor in Microbiology (Medicine) — declination effective September 1, 1960.

- KRUMWIEDE, JOHN F., Assistant in Ceramic Engineering — resignation effective June 16, 1960.
- LAFUSE, HARRY G., Instructor in Electrical Engineering — declination effective September 1, 1960.
- LANGE, MRS. MARILYN K., Assistant in Occupational Therapy (Medicine) — resignation effective June 15, 1960.
- LEBOVITS, BINYAMIN, Research Associate in Psychiatry (Medicine) — declination effective September 1, 1960.
- LEHMANN, WILMA H., Fellow in Zoology — resignation effective September 16, 1960.
- LI, HSIN L., Research Assistant Professor of Mechanical Engineering — resignation effective September 1, 1960.
- LIGHT, MARTIN, Assistant in English — declination effective September 16, 1960.
- LIPE, DALE M., Assistant Professor of Full and Removable Partial Dentures (Dentistry) — declination effective September 1, 1960.
- LONGENECKER, HERBERT E., Vice-President in charge of the Chicago Professional Colleges — resignation effective July 1, 1960.
- LOWE, CAROL H., Assistant in Animal Science — declination effective September 1, 1960.
- MACGREGOR, JAMES G., Research Associate in Civil Engineering — resignation effective August 1, 1960.
- MARTIN, GERALDINE A., Assistant in Pharmacy (Pharmacy) — declination effective September 16, 1960.
- MCDERMOTT, MARK N., Research Associate in Physics — resignation effective August 1, 1960.
- MCDIARMID, COLIN G., Research Assistant in Psychology — declination effective June 16, 1960.
- MCINTYRE, LUCY MAY S., Resident Assistant in Allen Hall — declination effective September 1, 1960.
- MEDLEY, KEITH, Assistant Professor of Anesthesiology (Medicine) — declination effective September 1, 1960.
- MITCHELL, GRAHAM S., Assistant in English, Summer Session of 1960 — declination effective June 20, 1960, and for the academic year beginning September 1, 1960 — resignation effective September 16, 1960.
- MURDOCK, JOHN W., Instructor in Theoretical and Applied Mechanics — declination effective September 1, 1960.
- NOVICK, ROBERT, Associate Professor of Physics — resignation effective September 1, 1960.
- OEBKER, NORMAN F., Associate Professor of Horticulture — resignation effective August 1, 1960.
- POTTLE, CHRISTOPHER, Instructor in Electrical Engineering — declination effective September 1, 1960.
- PREBLE, HARRY E., Assistant in English — resignation effective September 16, 1960.
- RAY, GORDON N., Vice-President and Provost, Professor of English, and Coordinator of the Armed Forces — resignation effective August 1, 1960.
- REYNOLDS, SABRON L., Assistant Reference Librarian, with rank of Instructor — declination effective September 1, 1960.
- RHEE, YOUNGHEE, Special Fellow in Social Work — resignation effective June 1, 1960.
- SALEMI, EMANUEL C., Assistant Professor of Management — resignation effective September 1, 1960.
- SCHOLTENS, ROBERT G., United States Public Health Service Postdoctoral Fellow (Trainee) in Veterinary Medical Sciences — resignation effective June 16, 1960.
- SCHWEMM, MRS. BARBARA, Research Assistant in Chemistry — resignation effective August 1, 1960.
- SEAMAN, RICHARD, Counselor in the Student Counseling Service — declination effective June 15, 1960.
- SHOEMAKER, DONALD J., Assistant Professor of Psychology — declination effective September 1, 1960.
- STAFFORD, ROGER A., National Science Foundation Cooperative Fellow in Mathematics — resignation effective June 16, 1960.
- STAUBUS, JOHN R., Research Associate in Dairy Science — resignation effective August 9, 1960.

- TAKEDA, SUSUMU, Visiting Research Assistant Professor of Electrical Engineering — resignation effective August 9, 1960.
- TERZAGHI, KARL, Lecturer and Consultant in Civil Engineering — declination effective September 1, 1960.
- TIRITILLI, ERNEST C., Physician in the Health Service (Chicago Professional Colleges) — declination effective September 1, 1960.
- TROY, ALAN, Assistant in Mathematics, Summer Session of 1960 — declination effective June 20, 1960.
- UNRUH, WILLIS O., Research Associate in the Coordinated Science Laboratory — resignation effective July 7, 1960.
- VAN DYKE, RUSSELL A., Assistant in Animal Science — resignation effective June 16, 1960.
- WINGFIELD, MERVYN W., Instructor in Accountancy — declination effective September 1, 1960.
- WINSLOW, ALAN G., Instructor in Landscape Architecture — resignation effective September 1, 1960.
- ZEWADSKI, ROBERT M., Instructor in Business English — resignation effective September 1, 1960.

#### LEAVES OF ABSENCE

- FINLAY, GILBERT C., Professor of Education, Assistant Dean of the College of Education, and Head of Counseling Services on the University Council on Teacher Education — continuation of leave of absence on 80 per cent time, without pay, for one year from June 16, 1960, so that he may continue his work with the Physical Science Study Committee Program.
- FRITZ, THOMAS E., Instructor in Veterinary Pathology and Hygiene, in the College of Veterinary Medicine — leave of absence, without pay, from August 4 and continuing through September 16, 1960.
- GARWIN, EDWARD L., Research Assistant Professor of Physics, in the College of Engineering — leave of absence, without pay, from June 16 and continuing through August 31, 1960.
- GUPTA, OM PRAKASH, Assistant Professor of Applied Materia Medica and Therapeutics, in the College of Dentistry — extension of leave of absence, without pay, for three months from June 1, 1960.
- HARTLEY, MILES C., Associate Professor of Mathematics, in the Chicago Undergraduate Division — leave of absence, without pay, for one year from September 1, 1960.
- HIXTON, ROYCE A., Research Associate in Farm Management (Agricultural Economics), in the Agricultural Experiment Station — leave of absence, without pay, for two months from July 1, 1960.
- HODGINS, FRANCIS E., JR., Assistant Professor of English — leave of absence, without pay, for one year from September 1, 1960, so that he may serve as a visiting professor at the University of Connecticut during that period.
- HOLSHOUSE, DON F., Associate Professor of Electrical Engineering, in the Engineering Experiment Station — leave of absence, without pay, beginning July 15 and continuing through August 31, 1960.
- HUNT, PATRICIA A., Research Assistant in the Coordinated Science Laboratory, in the College of Engineering — leave of absence, without pay, for one month from July 1, 1960.
- MARWAH, AMARJIT S., Instructor in Oral Pathology, in the College of Dentistry — extension leave of absence, without pay, from May 1 and continuing through August 31, 1960.
- MCGLOTHLIN, MARGARET, Assistant Editor in the Agricultural Experiment Station, with rank of Instructor — leave of absence, without pay, for one month from May 1, 1960.
- MOSBORG, ROBERT J., Associate Professor of Civil Engineering, in the College of Engineering — leave of absence, without pay, for one year from September 1, 1960.
- PAPPADEMOS, JOHN N., Assistant Professor of Physics, in the Chicago Undergraduate Division — leave of absence, without pay, for six months from September 1, 1960.
- WIESINGER, FRED P., Assistant Professor of Civil Engineering, in the Chicago Undergraduate Division — leave of absence, without pay, for one year from September 1, 1960.

**CHANGE IN SABBATICAL LEAVE OF ABSENCE**

GREENBERG, BERNARD, Assistant Professor of Zoology, in the College of Pharmacy — sabbatical leave of absence changed from the academic year 1960-61 on one-half pay to leave of absence on full pay for the first semester and leave without pay during the second semester.

**COMMUNICATION FROM MEMBERS OF THE FACULTY**

President Williamson stated that an open letter dated July 15, 1960, to the Board of Trustees from a number of the members of the University faculty concerning the University's action in the case of Assistant Professor Leo F. Koch was released by some of its signers for publication on July 17, 1960.

The signers of the open letter did not follow University statutory procedure for faculty deliberation and communication. Nevertheless, on recommendation of the President of the University that the Board of Trustees take note of the communication and give it consideration, the Chair suggested that the letter be referred to the Committee on General Policy for study and report.

By unanimous consent the letter was so referred with the request that the Committee report on the matter at the September meeting of the Board.

A copy of the open letter has been filed with the Secretary of the Board for record.

**ANNUAL MEETING OF ASSOCIATION OF GOVERNING BOARDS**

President Williamson announced that Mrs. Frances B. Watkins has been named a Regional Director of the Association of Governing Boards of State Universities and Allied Institutions and will attend a meeting of the Regional Directors in Minneapolis July 30. The annual meeting of the Association will be held in Seattle, Washington, October 19-22 and Mrs. Watkins will represent the Board at this meeting.

**FUTURE BOARD MEETINGS**

On motion of Mr. Harewood, the Board voted not to hold a regular meeting in August.

The regular September meeting will be held in Urbana on Wednesday, September 21, 1960, at an hour and place to be designated by the President and Secretary of the Board.

**MEETINGS OF BOARD COMMITTEES**

Meetings of the Committees on General Policy and Buildings and Grounds were held today beginning at 1:30 p.m.

**EXECUTIVE SESSION**

At this point, an Executive Session was requested and ordered for the consideration of the following matters of business.

**PURCHASE OF PROPERTY ON GREEN STREET**

(1) Construction of the second unit of the residence hall for graduate students on Green Street in Urbana requires acquisition of additional land adjoining the site to provide an area for parking and a service drive from Gregory Place, a side street. This land is part of a large area at the northwest corner of Green Street and Gregory Place on which there is a service station.

The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of approximately 5,090 square feet of land in this area from Mr. C. C. Brown of Urbana, owner of the land and operator of the station.

at a price of \$6,800, or \$1.34 per square foot. This is a negotiated price based on appraisals and is in line with the price policy authorized by the Committee on Buildings and Grounds in negotiations for land acquisition.

Funds will be available in either the state capital appropriations to the University for 1959-61 or in the construction account for the residence hall for graduate students.

I concur.

On motion of Mr. Harewood, the purchase of this property was authorized, as recommended, by the following vote: Aye, Mr. Harewood, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton; Mr. Hughes was present during most of the meeting but was absent when this matter was considered and the vote taken.

#### RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(2) 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. Modification of Rainville test of bone-conduction hearing—Charles Lightfoot, Associate Professor of Otolaryngology, inventor. This invention is a procedure for the testing of bone-conduction hearing. The test consists of determining the lowest level of bone-conduction noise which interferes with the hearing by the ear under test of an air conducted signal and comparing that level with the level of bone-conduction noise which has the same interfering effect on a normal ear.

The invention was referred to the University of Illinois Foundation for investigation and the Foundation has reported that there is little likelihood of commercial possibilities. Accordingly, the Committee on Patents recommends release to the inventor.

2. Cage for solitary housing of large numbers of mice—Dr. Walter S. Moos, Associate Professor of Radiology; Dr. J. B. Fuller, Associate Professor of Pathology; and Dr. J. C. Plagge, Professor of Anatomy, all of the College of Medicine, inventors. Most biological experiments and studies involving mice require observations on large numbers of these animals. Some of these experiments are made difficult due to many mice being in one cage, and the inventors have designed and tested the subject cage.

It is the best judgment of the heads of the department and all other University officials concerned that this equipment will have such highly specialized and such limited use that it would have no commercial possibilities. Accordingly, the Patent Committee has recommended release of the invention to the inventors.

#### Distribution of Net Income of Patentable Inventions

The University of Illinois Foundation reports that its work on the following inventions by University staff members turned over to it has developed to the point that patent applications are pending and in some cases patents have been issued. The Foundation will proceed to negotiate with prospective licensees as patents are issued, but before doing so the Foundation requests instructions on distribution of the royalties. The Committee on Patents recommends that 15 per cent of the net proceeds of any royalties received on these inventions be paid to the inventors, and that in those cases where there are two or more inventors it be left to them how they will divide the 15 per cent:

- Planar logarithmically periodic antenna structures—R. H. DuHammel, inventor
- Non-planar logarithmically periodic antenna structures—D. E. Isbell, inventor
- Unidirectional equiangular spiral antenna—J. D. Dyson, inventor
- Log periodic dipole arrays—D. E. Isbell, inventor
- New circularly polarized omnidirectional antenna—P. E. Mayes and J. D. Dyson, inventors
- Log-periodic resonant-V arrays—P. E. Mayes and R. L. Carrel, inventors
- All-channel TV and FM receiving antenna—R. L. Carrel and P. E. Mayes, inventors
- Semen diluent and processing method—N. L. VanDemark, A. D. Sharma, and G. W. Salisbury, inventors

Device for abridging sound — Grant Fairbanks, W. L. Everitt, and Robert Jaeger,  
inventors

I concur in these recommendations.

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

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA  
*Secretary*

KENNEY E. WILLIAMSON  
*President*



## APPENDIX

RECOMMENDATIONS OF THE UNIVERSITY BUILDING PROGRAM  
COMMITTEE FOR THE 1961-63 BIENNIUM

(Approved by the Board of Trustees July 26, 1960, page 26)

## INTRODUCTION

The basic planning philosophy of the University is simple and comprehensive. It rests upon the premise that the University of Illinois is an agency of the people of the state and that it is devoted to a threefold purpose: (1) the education and training of youth; (2) the 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 the state's life such as agriculture, industry, health sciences, commerce, and government; all this to the ultimate end that the University shall contribute to the civic health and economic prosperity and to the enrichment of the lives of its citizens.

## THE TEN-YEAR DEVELOPMENT PLAN OF THE UNIVERSITY

Early in 1958, the University was asked for a summary of the building needs for the next ten years in preparation for the proposed 1958 Bond Issue which was voted upon November of that year. In fulfilling this request, a procedure was used which involved the staff throughout the University as well as consultants.

The ten-year plan, explained in the recommendations of the Building Program Committee for the 1959-61 biennium, is not inflexible. It was developed with the knowledge that with changing circumstances, revisions would be required in the future. The changes which have come about in the last two years have indicated that the ten-year development plan is a necessity in the growth of the University if it is to continue to meet its obligations.

Certain assumptions were made in arriving at the figures which were used in the Ten-Year Building Program.

For example, the amount recommended for the Chicago Undergraduate Division provides only for the continuation of the present program on a permanent site. The nature and the time table for expansion to a four-year program have not yet been determined. In fact, a four-year program is yet to be approved by the State. Other changes in programs or shifts in enrollments to courses requiring laboratory facilities would also increase these estimates of cost.

It is further 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.

The resulting ten-year development plan, spread over the five biennia 1959-69 at Urbana-Champaign and the Chicago Professional Colleges and for the two biennia 1959-63 for the Chicago Undergraduate Division, called for total expenditures as follows:

Chicago Professional Colleges.....	\$ 32 500 000
Chicago Undergraduate Division (to provide permanent quarters for the present program with capacity for expansion of enrollment to 5,000).....	50 000 000
Urbana-Champaign.....	116 000 000
Total.....	\$198 500 000 <sup>1</sup>

The original ten-year development plan (based on the backlog of building needs and anticipated enrollment increases) called for the expenditure of funds as illustrated in Table I. The University has received but a small portion of the \$14,190,000 appropriated in 1959. While some additional funds will be released, it is obvious that the amounts will be insufficient to make substantial progress in completing the projects provided for by the limited appropriation for this biennium. Consequently, the University has been impaired in terms of its ability to take enrollment increases, as planned, to continue and expand research functions and to render services to the people for which it is particularly suited.

All of this means that if the University is to take the enrollment increases

<sup>1</sup> This does not include residence halls which are self-liquidating over their useful life nor other projects to be financed outside of State appropriations.

and if it is to continue and expand research functions and provide services throughout the State, the figures presented were realistic measures of the need. They represented the best estimate of cost that could be given for the kind of program that the people of Illinois have shown they want and expect from their University.

**Table I. Tentative Summary of the 1959-69 Building Program**

(All amounts are in millions of dollars based on July 1, 1959, estimate of cost)

	<i>Period</i>	<i>Urbana-Champaign</i>	<i>Chicago Under-graduate Division</i>	<i>Chicago Professional 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	<i>Total</i>	116.0	50.0	32.5	198.5

### Anticipated Enrollment Increases

That an unprecedented number of students will want to enroll in our colleges and universities within the next ten to fifteen years hardly needs demonstration at this date. The accelerated building of public schools (lower grades) 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 Commission of Higher Education made a detailed study of the outlook for Illinois and arrived at the same conclusion.

The present highest enrollment in all time at the University of Illinois is indicative of the trend of greater enrollments all over the State and the nation. This is further emphasized by the fact that this record enrollment comes from the numerically lowest college-age group in the past twenty-five years. The enrolled students represent children born during the period when marriages and birth rates reached their lowest point.

The reason for the current record level of college enrollments in spite of the small total number from which the students are drawn is that the proportion of college-age youths who go to college has been climbing rapidly. When this increased ratio of actual to potential enrollments is applied to the college-age population for the decade 1960-70, it is very plain that we must plan for approximately twice as many college students in 1970 as in 1958.

However, it is imperative that construction and planning proceed as rapidly as possible, inasmuch as studies based on increased marriages, births, school grades in the public schools of Illinois, and students going to higher educational institutions indicate that the expected increase of students between 1959-60 will be the largest addition ever made in Urbana in one year. For subsequent years through 1962, two additional increases are expected although not as substantial as the 1959-60 increase.

In 1963 or 1964, the best estimate available to date indicates another substantial increase somewhat comparable to and possibly exceeding the record level expected in 1960. It is during this period that we may expect the results of the large jump in the births for the State that happened between 1945 and 1946.

This trend of greater and greater enrollments, in the face of approaching limits of utilization of space and the ability to take more students, again points out the need to provide funds immediately for the construction and planning of new buildings.

### Building Needs of the University

Although the University of Illinois has a large and imposing campus, it now has serious space deficiencies.

The University, with its ever increasing numbers of students and expanding staff to teach these students, has been accumulating a building backlog over the

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

last 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; and finally, in the post-war period when the State began a valiant attempt to make up past deficiencies, but the higher enrollments of veterans and the higher proportion of college-minded youth than ever before increased the demands.

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. From 1951 to the present, these are the results:

In 1951 the University requested \$39,580,000; it received \$6,875,000  
 In 1953 the University requested \$35,979,000; it received \$8,096,000  
 In 1955 the University requested \$37,185,000; it received \$8,855,000  
 In 1957 the University requested \$35,674,000; it received \$14,275,000  
 In 1959 the University requested \$54,879,000; it received \$14,190,000<sup>1</sup>

The story was 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. In the 1920's the University of Illinois did get its building supply into adequate relationship to its then current enrollment.

The recommended 1961-63 capital budget follows with the planning assumptions upon which the program for each of the campuses has been developed.

It should be noted that the recommendations of Table III are based on the assumption that the funds listed in Table II, which were appropriated in 1959, will be received. For example, remodeling funds listed on Items 4 and 7 of Table III are *in addition* to remodeling Item 8 of Table II.

**Table II. Funds Appropriated in 1959 But Not Released  
 Reappropriation Is the Highest Priority<sup>2</sup>**

(Analyses of these projects were included in the 1959-61 recommendations)

1. Power Plant Addition.....	\$ 4 045 000
2. Utilities Distribution System.....	2 355 000
3. To Supplement Outside Grants:	
a. Labor Relations Building.....	350 000
b. Health Research Facilities.....	835 000
4. Land—Chicago Undergraduate Division.....	925 000
a. Planning and Improvement at Chicago Undergraduate Division.....	1 533 000
5. Land—Urbana.....	431 000
6. Completion of:	
a. First Stage of Physics Building.....	280 000
b. First Stage of Fine and Applied Arts Building.....	250 000
c. First Stage of Medical Research Laboratory at Chicago Professional Colleges .....	410 000
7. Plans and Specifications.....	500 000
8. Remodeling (including protection of life and property).....	1 625 000
9. Public Improvement Projects.....	440 000
<b>Total Funds Not Released.....</b>	<b>(13 979 000)<sup>3</sup></b>

**Funds Released to Date**

1. Planning and Improvements at Chicago Undergraduate Division.....	42 000
2. Land—Urbana.....	19 000

<sup>1</sup> Although \$14,190,000 was appropriated, only a small fraction of this has been released to date due to a "freeze" of funds.

<sup>2</sup> Orderly long-range development depends upon doing certain things before others. The University's program requires that all items on this schedule be performed prior to the next step proposed in Table III.

<sup>3</sup> Estimate of additional funds required to finance increased costs due to the delay of construction is approximately \$213,300.

3. Remodeling (including protection of life and property).....	\$ 150 000
<i>Total Funds Released to June 13, 1960.....</i>	<i>(211 000)<sup>1</sup></i>
<i>Total Funds Appropriated in 1959.....</i>	<i>\$14 190 000</i>

**Table III. Schedule of Recommended Capital Projects  
for the 1961-63 Biennium**

(In addition to the reappropriations of Table II)

**Building Projects**

1. Education Building .....	\$ 3 455 000
2. Commerce Building .....	3 200 000
3. Physics Building—Second Stage.....	3 140 000
4. Remodeling, Rehabilitation, and Minor Additions— Urbana-Champaign (Schedule A).....	800 000
5. Library—Seventh Addition .....	1 435 000
6. Medical Sciences Addition (Chicago Professional Colleges)....	3 640 000
7. Remodeling, Rehabilitation, and Minor Additions— Chicago Professional Colleges (Schedule B).....	2 213 000
8. Physical Plant Service Building—Urbana.....	2 120 000
9. Electrical Engineering Building Addition.....	1 300 000
10. Plant Sciences—Agronomy .....	3 700 000
11. Additions for Offices and Instructional Space.....	2 775 000
12. University Press Addition—Print Shop Unit.....	655 000
13. Central Receiving Station.....	775 000
14. Relocation of South Garage and Motor Pool.....	600 000
	(29 808 000)

**Utilities Distribution and Power Plant (Schedule C)**

Urbana-Champaign.....	4 630 000
Chicago Professional Colleges.....	300 000
	(4 930 000)

**Land and Planning**

Land Acquisition (Schedule D)	
Urbana-Champaign.....	2 930 000
Chicago Professional Colleges.....	(865 000) <sup>2</sup>
Plans and Specifications (Schedule E)	
Urbana-Champaign.....	1 785 000
Chicago Professional Colleges.....	675 000
	(5 390 000)

**Protection of Life and Property, and Campus-Public Improvements**

Life and Property	
Urbana-Champaign (Schedule F).....	333 000
Chicago Professional Colleges (Schedule G).....	575 000
Campus-Public Improvements	
Urbana-Champaign (Schedule H).....	1 552 000
Chicago Professional Colleges (Schedule I).....	110 000
	(2 570 000)

**Funds to Supplement Outside Grants (Schedule J)**

Urbana-Champaign.....	1 200 000
Chicago Professional Colleges.....	300 000
	(1 500 000)

**Chicago Undergraduate Division (see Planning Assumptions)**

Land acquisition and site development, architectural and engineering costs and building construction required to relocate the present two-year program .....	42 500 000 <sup>3</sup>
<i>Total, Table III.....</i>	<i>\$86 698 000</i>

<sup>1</sup> Additional funds are in the process of being released.

<sup>2</sup> To be purchased by the Medical Center Commission.

<sup>3</sup> Subject to revision upon final selection of site.

*Summary by Campus (excluding reappropriations)*

Urbana-Champaign.....	\$36 385 000
Chicago Professional Colleges.....	7 813 000
Chicago Undergraduate Division.....	42 500 000
<i>Total, Table II.....</i>	<i>\$86 698 000</i>

**Schedule A — 1961-63 Biennium***Remodeling, Rehabilitation, and Minor Additions — Urbana-Champaign*

Appropriation request \$800,000.

Improvement and rehabilitation of existing buildings are urgently needed. Changes in existing space and minor additions and structures are required to accommodate the changes in programs. The following, while not listed in any order or priority, are examples of such needs:

*Remodeling, Rehabilitation, and Minor Additions*

Library, air conditioning of main reading rooms  
 Agriculture Engineering Building, remodeling  
 Arcade Building, remodeling for University Extension  
 Architecture Building, remodeling of space vacated by the Department of Art  
 Chemistry Annex, replacement of ducts in the ventilation system  
 Civil Engineering Hall, remodeling  
 College of Veterinary Medicine, completion of secure isolation unit  
 Electrical Engineering Annex, remodeling for Biophysical Laboratory  
 English Building, remodeling basement for Physical Education for Women  
 Harker Hall, remodeling of space to be vacated by the Department of Entomology  
 Lincoln Avenue Dairy Barns, remodeling and addition  
 Natural History Building, remodeling for College of Liberal Arts and Sciences  
 New drying and threshing facilities for corn and small grain  
 Remodeling additional off-campus space for increased enrollment  
 Talbot Laboratory, addition for Department of Theoretical and Applied Mechanics  
 Veterinary Medicine Research Annex, completion  
 WILL Transmitter, addition to existing facilities at Robert Allerton Park

*Minor Structures*

Home Management and Diet Research Houses for the Department of Home Economics  
 Small Homes Council Offices and Shops  
 University Press Book Warehouse

Total Requested 1961-63 Biennium \$800,000

**Schedule B — 1961-63 Biennium***Remodeling, Rehabilitation, and Minor Additions — Chicago Professional Colleges*

Appropriation request \$2,213,000.

The remodeling proposed for this biennium partly is in addition to that provided for in Table II and is the necessary next step in the planned program of the colleges. The following, while not listed in any order or priority, are examples of such needs:

*Remodeling, Rehabilitation, and Minor Additions*

1. Administration remodeling (Phase II)
2. East Dentistry-Medicine-Pharmacy Building, air conditioning (Phase II)
3. East Dentistry-Medicine-Pharmacy Building, completion of laboratories
4. Department of Biological Chemistry, completion of teaching laboratories
5. Old general hospital, elevator rehabilitation
6. Hospital tube system, extension
7. Old Dentistry-Medicine-Pharmacy Building, improvement of mechanical services
8. College of Dentistry, miscellaneous remodeling
9. Research and Educational Hospitals, provision of surgical facilities on the fourth floor
10. Department of Radiology, provision of an X-ray viewing and storage room
11. Biochemistry laboratories, rehabilitation (some matching funds are available for this project)

12. Miscellaneous neuropsychiatric facilities, rehabilitation to improve patient care areas
13. Remodeling the space vacated by the Animal Hospital
14. Old Dentistry-Medicine-Pharmacy Building, remodeling and rehabilitation of classrooms
15. Department of Dermatology, remodeling
16. Dietary Kitchen, remodeling and rehabilitation
17. East Dentistry-Medicine-Pharmacy Building, remodeling basement locker room
18. Locker rooms and medical records filing area in the basement of the east wing, remodeling
19. Orthopaedic Building, remodeling the second and fourth floors for offices and laboratories
20. Orthopaedic Building, remodeling the basement, second and third floors
21. Space for a radioisotopes receiving station recommended by the radioisotopes safety committee

#### *Minor Structures*

Drug and Horticultural Station, construction of facilities

### **Schedule C — 1961-63 Biennium**

#### *Utility Distribution and Power Plant — Urbana-Champaign and Chicago Professional Colleges*

Appropriation request \$4,930,000.

Steam demands from existing facilities on the campus are now in excess of the firm capacity of the plant. In the event of severe weather conditions, it will probably be necessary to reduce temperatures in buildings and perhaps to curtail the use of steam in certain areas entirely. The electric demands from existing facilities and buildings now under construction will also exceed the firm capacity of the power plant by about January, 1961. Although funds were provided in the 1959-61 biennium to offset this difficulty, they have not yet been released and the University is making plans for the purchase of power until additional generating equipment can be installed. The additional buildings recommended for construction during 1961-63 will require additional capacity of the power plant and major extensions of the utility distribution system.

At the Chicago Professional Colleges, increased electrical capacity must be provided for the old Dentistry-Medicine-Pharmacy Building. Also included is the replacement of telephone cables which cost will be amortized in approximately three and one-half years.

The appropriation requested will provide for:

1. Power Plant Addition	
a. Boiler plant — 300,000 lbs/hr.....	\$ 4 000 000
b. Electrical plant — 7500 KW.....	2 100 000
2. Extension of the utilities distribution system.....	4 930 000
3. Extension of electrical distribution system and replacement of telephone cable (Chicago Professional Colleges).....	300 000
Total.....	\$11 330 000
Less funds to be included in 1959-61 appropriation schedule to be reappropriated.....	6 400 000
Total Requested 1961-63 Biennium.....	\$ 4 930 000

### **Schedule D — 1961-63 Biennium**

#### *Land Acquisition — Urbana-Champaign*

Appropriation request \$2,930,000.

The construction of a major building requires approximately two years to complete. However, it is necessary to acquire the land which will serve as a site 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 when it is required by Campus expansion.

In addition to the need to provide funds for the purchase of land for sites of buildings to be constructed in 1963-65, some funds should also be available when certain 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.

*Land Acquisition—Chicago Professional Colleges*

To be financed by the Medical Center Commission (\$865,000).

In planning for the enlargement of the University's facilities for the conduct of its educational and patient care programs in recognition of the increasing number of students and the enlarged programs of research being conducted in the Professional Colleges, the University has worked closely with the Medical Center Commission to determine that land which the University will need in 1961-63.

**Schedule E—1961-63 Biennium***Campus Planning and Building Studies—Urbana-Champaign and Chicago Professional Colleges*

Appropriation request \$2,460,000.

The University has recognized 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. As mentioned earlier in this report, the buildings recommended for construction during this biennium are limited to those for which the University has the ability to prepare plans and specifications, take bids, and complete the construction of the building in one biennium. This points out the extreme necessity to have funds appropriated for building studies and plans and specifications in the biennium prior to that in which construction is to be started (i.e. funds appropriated in 1961-63 for building studies would be expended on building projects to be constructed in 1963-65). This procedure will eliminate the need for reappropriating funds and allow more effective planning and designing of future University buildings.

The appropriation requested will provide planning funds for the twenty-five projects listed below:

<i>Planning for</i>	<i>Urbana</i>	<i>Chicago Professional Colleges</i>	<i>Total</i>
(Listed Alphabetically)			
1. Aeronautical Engineering Building — First Stage.....	\$ 125 000	.....	\$125 000
2. Agronomy Unit — Second Stage.....	120 000	.....	120 000
3. Biology Building — Second Stage.....	180 000	.....	180 000
4. Campus Planning.....	70 000	\$ 30 000	100 000
5. Civil Engineering Building — First Stage.....	180 000	.....	180 000
6. Commerce Building — Second Stage..	84 000	.....	84 000
7. East Chemistry Building — Addition..	180 000	.....	180 000
8. East Dentistry-Medicine-Pharmacy Building — Addition (Chicago Professional Colleges).....	.....	120 000	120 000
9. Education Building — Second Stage..	31 500	.....	31 500
10. Electrical Engineering Building — Addition.....	90 000	.....	90 000
11. Fine and Applied Arts Building — Second Stage.....	35 500	.....	35 500
12. Fine and Applied Arts Building — Third Stage.....	38 000	.....	38 000
13. Hospitals — Addition (Chicago Professional Colleges).....	.....	180 000	180 000
14. Library — Eighth Addition.....	71 000	.....	71 000
15. Library — Ninth Addition.....	60 000	.....	60 000
16. Medical Sciences Addition — Second Stage (Chicago Professional Colleges).....	.....	125 000	125 000
17. Natatorium for Physical Education...	80 000	.....	80 000
18. Physical Plant Service Building (Chicago Professional Colleges).....	.....	40 000	40 000
19. Preliminary Studies on Projects Seeking Outside Financing.....	20 000 <sup>1</sup>	.....	20 000 <sup>1</sup>

<sup>1</sup> To prepare studies to be used in seeking funds from foundations and other sources to finance construction of certain projects.

	<i>Urbana</i>	<i>Chicago Professional Colleges</i>	<i>Total</i>
20. Remodeling, Rehabilitation, and Minor Additions (Chicago Professional Colleges).....		\$180 000	\$ 180 000
21. Smith Music Hall — Addition.....	\$ 86 000	.....	86 000
22. Undergraduate Library — Preliminary Studies.....	.....	.....	.....
23. Veterinary Medicine — Completion of Large and Small Animal Clinic.....	180 000	.....	180 000
24. Veterinary Medicine Building — Addition.....	27 000	.....	27 000
25. Women's Gymnasium — Addition.....	127 000	.....	127 000
<i>Total</i> .....	<i>\$1 785 000<sup>1</sup></i>	<i>\$675 000</i>	<i>\$2 460 000<sup>1</sup></i>

**Schedule F — 1961-63 Biennium***Protection of Life and Property — Urbana-Champaign<sup>2</sup>*

Appropriation request \$333,000.

1. Improvement of Swimming Pools (to comply with the recommendations of the State Department of Public Health)
  - a. Huff Gymnasium ..... \$ 22 000
  - b. For Women's Physical Education..... 17 000
  - c. Men's Old Gymnasium..... 103 000
2. Burrill Avenue Bridge — widening and realignment to reduce hazards to vehicular traffic..... 61 000
3. Replacement of 750 GPM Triple Combination fire truck..... 25 000
4. Replacement of obsolete elevators in
  - a. Library (east)..... 55 000
  - b. Mumford Hall..... 50 000

*Total*..... *\$333 000***Schedule G — 1961-63 Biennium***Protection of Life and Property — Chicago Professional Colleges<sup>2</sup>*

Appropriation request \$575,000.

The program developed by the Chicago Professional Colleges Campus Planning Committee includes:

Fire and safety improvements in the Hospital

Corrections of electrical deficiencies (second phase)

Provision of emergency electrical service to critical areas of the Hospitals

**Schedule H — 1961-63 Biennium***Campus-Public Improvement Projects — Urbana-Champaign*

Appropriation request \$1,552,000.

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 received benefits.

In addition, the University recommends the provision of funds for other additional projects urgently required.

The following list of projects are those recommended for the 1961-63 biennium:

1. Upper Embarrass River drainage district (Clark, Daily, and Dietz Report)..... \$ 92 000
2. Southeast campus storm sewer (1961-63 share of costs committed in 1959-61)..... 75 000
3. Urbana-Champaign Sanitary District storm sewer improvement (1961-63 share of costs committed in 1959-61)..... 69 000
4. Green Street widening and resurfacing (1961-63 share of costs committed in 1959-61)..... 105 000

<sup>1</sup> This total does not include an estimate for the Undergraduate Library Preliminary Studies.

<sup>2</sup> In addition to funds included under reappropriation.



5. First Street improvement from Florida Avenue to 650 feet South of St. Mary's Road.....	\$ 186 000
6. Fourth Street improvement from Florida Avenue to St. Mary's Road.....	121 000
7. St. Mary's Road improvement from the Illinois Central Railroad to Fourth Street.....	280 000
8. Sixth Street improvement from Gregory Drive to Pennsylvania Avenue.....	124 000
9. Campus Development Projects.....	500 000
a. Reforestation and stump removal.....	
b. Widening and improving existing streets and drives.....	
c. Relocation of Illini Grove.....	
d. Miscellaneous site improvement projects.....	
Total.....	\$1 552 000

#### Schedule I — 1961-63 Biennium

##### *Campus-Public Improvement Projects—Chicago Professional Colleges*

Appropriation request \$110,000.

Recently acquired areas from the Medical Center Commission require certain public improvements. They are as follows:

Wolcott Avenue and Winchester Street

Damen Avenue

Taylor Street and Winchester Street

Taylor Street and Marshfield Avenue

Hermitage Avenue between Taylor Street and Polk Street

Hermitage Avenue

#### Schedule J — 1961-63 Biennium

##### *To Supplement Funds from Federal, Private, and Other Grants — All Campuses*

Appropriation request \$1,500,000.

In the last two years grants and other supplemental funds have become more readily available to universities and other state institutions. It is anticipated that this trend will continue and the University should be prepared to achieve the most building space for its dollar. The appropriation requested will be adequate for several of the projects listed. Examples of these projects are as follows:

Biophysics projects

Bioacoustics Laboratory

Electron Microscope Laboratory

Research facilities for the Digital Computer Laboratory

Research facilities for the Department of Chemistry and Chemical Engineering

Research facilities for the Department of Civil Engineering

Research facilities for the Betatron

Research facilities for the Department of Physiology

Physical Environment and Aeromedical Laboratories

Public Service Training Center (Continuation Center)

Radioisotopes Laboratory

Research methods for Sociology and Anthropology

R.O.T.C. facilities

Research facilities for Biochemistry

Research facilities for Pharmacology

Research facilities for Psychology

#### PLANNING ASSUMPTIONS

##### **Applicable to All Campuses**

1. It is recognized that all priorities proposed by the Building Program Committee are established on the assumption that most of the requested funds will be obtained, and that if there is a major reduction, such as occurred in 1959, priority ratings must be reconsidered by the University Administration during its negotiations with the Governor and members of the Legislature on the basis of money likely to be available.

2. A project should be completed in one biennium in order that it will not be necessary to request reappropriations from the State Legislature. Thus, buildings recommended for construction in 1961-63 are limited to those projects for which

plans and specifications can be prepared in time to permit completion of construction before September 30, 1963.

3. In general, each building project cost will be limited to a maximum expenditure of \$4,000,000 in any one biennium.

4. Funds requested for planning and specifications will vary with the status of the Bond Issue. If the Bond Issue passes, presumably the disadvantages of reappropriation of funds would not develop so that larger building projects which require more than one biennium for planning and construction could be recommended.

5. Planning funds will be listed alphabetically and without priority so that commitments for the subsequent building program are not made.

6. Planning funds requested in the 1961-63 biennium will not exceed \$180,000 (which is  $1\frac{1}{2}$  per cent of \$4,000,000) for any project. This limits any project to be constructed in the 1963-65 biennium to approximately \$4,000,000 and implies that staged construction will be required for projects estimated to cost more.

7. It is assumed that planning funds will be available during 1959-61 for the following:

- a. Education Building
- b. Commerce Building
- c. Medical Sciences Addition
- d. Electrical Engineering Addition

Plans for the construction of these buildings, based upon the space programs requested in 1959, will be ready to go out for bids by July 1, 1961.

8. The space to be constructed in 1961-63 is based on the priority and space program of 1959 and will not exceed the space allocated in the original program for any project.

#### *Urbana-Champaign Campus*

1. The housing program will continue to be financed through income. However, it is assumed that capital appropriations will include funds to provide land and utility extensions.

2. The recommended program is based on the University standards for space.

3. Planned utilization of space will be higher than at present.

4. Construction costs are estimated at the 1961 level.

5. Generally speaking, land acquisition and building planning must be completed the biennium preceding the two years used for construction.

#### *Chicago Professional Colleges*

1. Land acquisition will continue to be financed from appropriations to the Medical Center Commission.

2. 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 and enrollment intensification of research and improvement in service.

d. Obsolete condition of some 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 thoughtful study of what is needed to improve the facilities for a first-rate group of colleges of medicine, dentistry, pharmacy and nursing.

3. The space estimates are based on the same standards of allocation and utilization as proposed at Urbana-Champaign where applicable.

4. Clinical facilities in the Medical Center District will be available to the University of Illinois supplementing those of the Research and Educational Hospitals.

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 building 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 disciplines 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 the 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.

#### *Chicago Undergraduate Division*

The Legislature and the University are committed to the policy of providing permanent facilities for the relocation of the Chicago Undergraduate Division. The first stage of this program will provide permanent space for six thousand students in a two-year program. Planning is being pushed forward as rapidly as possible to allow for the relocation of the Chicago Undergraduate Division from the Navy Pier site to a permanent site as rapidly as possible.

The following request represents the results of intensive academic and physical planning and programing for the relocation of the Chicago Undergraduate Division which must be completed by 1963.

Land Acquisition, Site Development, Building Construction, and  
Architectural and Engineering Costs.....\$42 500 000<sup>1</sup>

### **ANALYSIS OF BUILDING PROJECTS RECOMMENDED FOR THE 1961-63 BIENNIAL**

(Refer to Table III)

#### *Project — College of Education Building*

Appropriation request \$3,455,000; Gross Square Feet 95,000.

Gross space shortages, inadequacy of present facilities, extreme dispersion of staff, and high percentage of temporary space, combine to make the College of Education's need an urgent one. Based on the 1956 standards of the Building Program Committee, the College had a deficit of approximately 23,304 square feet. Since that time, the academic staff has increased 40 per cent and the number of students has increased 36 per cent, but the College's space has only gone up 11 per cent. The average office space per staff member is approximately 70 net square feet with many members in offices of no more than 60 square feet. Over two-thirds of existing space assigned to the College is in temporary type facilities. These facilities are in twenty-four buildings dispersed from Main Street to Pennsylvania Avenue and from Lincoln Avenue to Sixth Street.

#### *Project — College of Commerce Building*

Appropriation request \$3,200,000; Gross Square Feet 88,000.

The activities of the College of Commerce and Business Administration have been located in David Kinley Hall since 1925. The traditional programs leading to a Bachelor of Science degree, to masters' degrees in these fields, and to the Doctor of Philosophy degrees in several fields have been offered. The work in these areas has expanded rapidly since the College has occupied the building, which has for many years been grossly inadequate to house the staff, the classes, and the activities of the College.

There have been increasingly close relationships between executives of the business world and colleges of commerce and business administration. This has been evidenced at the University of Illinois College by the establishment of the Bureau of Business Management, the Bureau of Economic and Business Research, and the Bureau of Commerce Placement. The present building is not suitable for present programs and is particularly lacking in office space, conference rooms, graduate-type classrooms, the laboratories necessary for modern instructional methods, and other facilities.

The College of Commerce and Business Administration staff offices are presently located at six different locations, four of which are temporary-type buildings. There are very few single-station staff offices and in many instances, graduate teaching assistants must share desks with one another.

<sup>1</sup> Subject to revision upon final selection of the site.

*Project — Completion of the Second Stage of the Physics Building*

Appropriation request \$3,140,000; Gross Square Feet 98,200.

Plans and working drawings for the total new Physics Building of 105,000 net square feet were completed in 1955-57. However, construction was scheduled to allow the building to be built in two stages. The first stage was completed sufficiently for occupancy in 1959; however, this stage contains service facilities, offices, and research laboratories only. The second stage will contain teaching laboratories, classrooms, and lecture rooms sufficient to accommodate a peak load of 1,100 students at one time and more offices and research laboratories. Present teaching facilities in the old building are crowded to the limit of capacity. Rising enrollment in general physics is overloading the lecture rooms and requiring evening laboratory sections. Even if the entering freshman class is limited to its present number, improved retention through selective admission may increase the teaching load by as much as 50 per cent.

The completion of the second stage of the 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 the Department of General Engineering, space for the Department of Mining and Metallurgical Engineering, and give indirect relief to the Departments of Mechanical and Industrial Engineering and Aeronautical Engineering.

*Project — Library, Seventh Addition — Urbana-Champaign*

Appropriation request \$1,435,000; Gross Square Feet 38,800.

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

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 also 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 a high priority for the proposed addition.

*Project — Medical Sciences Addition — Chicago Professional Colleges*

Appropriation request \$3,640,000; Gross Square Feet 68,000.

Architectural studies indicate that provision of the required additions to the physical facilities of the College of Medicine can be acquired only through the construction of a new building in close proximity to the facilities now used by the basic science departments. Several possibilities have been considered, but the integration of the needs of the College of Medicine with those of other colleges, especially the College of Dentistry, will be served best by relocating the teaching laboratories which are now used jointly by the Departments of Microbiology and Pathology and the offices and research laboratories of the Department of Microbiology and the Aeromedical Laboratory in the building to be constructed. It has been proposed further that the Medical Sciences Addition be constructed south and adjacent to the west wing of the current Dentistry-Medicine-Pharmacy Building. If this is done, the obsolete teaching laboratories for Pathology and Micro-

biology and the entire space now occupied by the Department of Microbiology can be made available for the needed future expansion of the College of Dentistry. This proposed location of the new Medical Sciences Addition first phase will also provide appropriate expansion of the Departments of Biological Chemistry, Pathology, and Microbiology. In order to provide for future campus development, a portion of the first floor will be designed for clinics in accordance with the campus development program.

Enrollment estimates for 1969 anticipate a 27 per cent increase in enrollment in the Colleges of Dentistry, Pharmacy, Nursing, paramedical curricula, and graduate student programs, with a corresponding expansion of the existing instructional programs, the establishment of new instructional programs where needed, and a proportionate expansion of research in basic science fields. It should be emphasized that two hundred freshman students are now enrolled annually in the College of Medicine. This enrollment represents a 20 per cent increase in the freshman enrollment in the College of Medicine since 1955. Since there was no corresponding expansion of the physical facilities to accommodate these enlarged classes, the departments of the basic medical sciences have been confronted with increasing difficulties in the procurement and the holding of an adequate teaching faculty to properly carry out the educational responsibilities the College of Medicine has already undertaken. In view of the fact that these same departmental faculties will have the responsibility for increasing numbers of students in other colleges, as noted above, it would appear logical to assign the first priority of new construction needs for the Chicago Professional Colleges campus to the proposed Medical Sciences Addition.

#### *Project — Physical Plant Service Building, First Stage*

Appropriation request \$2,120,000; Gross Square Feet 133,000.

The Physical Plant Department, upon completion of the proposed building, will vacate approximately 89,000 gross square feet of building space for reassignment to others and to provide land areas required for sites for construction by the College of Engineering.

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 building, 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 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 decentralization of present facilities results in 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; and 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 the 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.

#### *Project — Electrical Engineering Building Addition*

Appropriation request \$1,300,000; Gross Square Feet 34,500.

The needs for building space in Electrical Engineering, accruing over the past ten years, have become even more critical during the past three years. Since 1957

the staff in the Department of Electrical Engineering has grown from 222 to 279 members. To house these additional staff members, it has been necessary to establish make-shift office areas in laboratories and to squeeze additional people into existing offices. At present, 110 academic staff are housed in 6,820 square feet of the Electrical Engineering Building for an average of slightly over 60 square feet per staff member.

Since 1957 graduate enrollment in the department has almost doubled from 120 to 225. This growth has created the following specific needs in the graduate area which must be satisfied immediately:

1. Graduate student research facilities. The need here is emphasized by the fact that in the electronics area existing facilities provide for only two doctoral work spaces.

2. A general graduate laboratory for training at the master's degree level. No facilities exist at present for this activity.

3. Two or three small conference rooms are needed for graduate student seminars and oral examinations.

The site is available and most of the foundations for the addition now exist (constructed as part of the first unit built in 1949) in the present Electrical Engineering Building. The need for building space in the Department of Electrical Engineering, based on enrollments, teaching units, number of staff, research needs, and all other criteria shows it to be critical.

#### *Project — Plant Sciences — Agronomy, First Unit*

Appropriation request \$3,700,000; Gross Square Feet 82,000.

Except for some minor adjustments, the Department of Agronomy is occupying the same quarters that it did in 1923 despite a three-fold increase in staff since that time. It is proposed to build a Plant Sciences Building which will ultimately house the Departments of Agronomy, Horticulture, Forestry, and Plant Pathology. This will allow vacation of Davenport Hall by the Departments of Agronomy and Plant Pathology, the Vegetable Crops Building, the Floriculture Building, and will release some space in Mumford Hall for expansion of other College of Agriculture activities.

Space occupied by the Departments of Agronomy and Plant Pathology in the center part of the campus is urgently needed for expansion of the College of Liberal Arts and Sciences. It is proposed that the recommended appropriations for the first unit of the Agronomy stage of the Plant Sciences Building will allow the relocation of those functions not requiring a central location.

#### *Project — Additions for Offices and Instructional Space*

Appropriation request \$2,775,000; Gross Square Feet 85,000.

The College of Liberal Arts and Sciences which teaches more than 50 per cent of the total instructional load of the Urbana campus, requires additional space to provide offices for faculty to be added during the coming two years. In the past, the College generally has acquired office space by a release from other colleges due to new construction. This will probably continue in the future due to the central location required by the College in servicing all areas of the University and the existing built-up condition of the central area. In addition, the College has staff located in temporary quarters, many of which are on sites for new buildings. As provision must be made for housing new staff as the enrollment grows, provision must also be made for relocating staff from buildings which must be torn down.

The administrative offices of the University are also seriously overcrowded at present and will require additional space as the enrollment of the University increases.

The Office of Admissions and Records is seriously overcrowded, even though remodeling in 1958 temporarily alleviated conditions. The Office has estimated that an additional fourteen people will be needed prior to the end of 1961-63 biennium, with further mechanization and automation wherever possible. It is necessary to have additional space contiguous to their present location due to the many records handled by the Office. The space must be adequate for receiving and conferring with the thousands of citizens of the state of Illinois who come to the Office of Admissions and Records.

The Statistical Service Unit presently located in the Arcade Building has

urgent need for space near the Business Office and the Office of Admissions and Records. Approximately 70 per cent of the total work load of the Statistical Service Unit is performed for these two functions.

The proposed appropriation will provide space for the above-mentioned functions. This space may be constructed most quickly as a south and/or north addition to the Administration Building because preliminary drawings were made several years ago and these could be completed soon. Just as this construction would provide an interim solution to the space problems of both the Administrative offices and the College of Liberal Arts and Sciences, it would also fit into the long-range solution to the problems of the College.

Other alternate solutions, one of which may be more feasible as studies are completed, are:

1. The construction of a new Administration Building and the reassignment of the present Administration Building to the College of Liberal Arts and Sciences. Such a proposal would relocate administrative offices several years earlier than formerly anticipated but it would release urgently required space for reassignment to the College of Liberal Arts and Sciences at once.

2. Construction of an office-classroom building. This proposal would provide the same amount of space as would two additions to the Administration Building but it would separate the administrative offices into two groups.

3. Construction of one wing to the Administration Building and an addition to an existing central campus building. This proposal has the advantage of consolidating administrative offices, and the College of Liberal Arts and Sciences instructional space in two separate areas. However, it would probably result in an extended time-lag before the administrative offices are relocated from the Administration Building and the vacated space assigned to the College of Liberal Arts and Sciences.

The College of Liberal Arts and Sciences has placed a high priority on the reassignment of the Administration Building to it because of its pressing needs for office and classroom space.

#### *Project — University Press Addition*

Appropriation request \$655,000; Gross Square Feet 35,400.

The University Press is located in the basement of the Administration Building which also houses the administrative offices of the President, Provost, Admissions and Records, Business Office, etc. This space is urgently required by other activities which need proximity to these offices. In addition, the noise of the press type casters, press vibrations, fumes from solutions and melting lead, and traffic of incoming and outgoing shipments of tons of paper and publications is a serious distraction to the other offices in the building.

The press was located in the Administration Building at its inception (1918) with the inmechanical divisions in the basement and the editorial and administrative offices on the upper floors. In 1958, the first unit of the University Press Building was completed and the editorial, art, and sales divisions were moved to this building. Present space occupied in the basement of the Administration Building by the Press is far too small for present printing needs of the University. Stauding type must be stored in a public hallway and is subject to damage and misplacement. The bindery space is so inadequate that skids of printed sheets must be moved in and out constantly to provide working room for folders, stitchers, and trimmers and there is no space for general storage of paper for printing jobs or for stacking printed sheets or for publications on runs of more than a few thousand copies. In addition, the lack of space prevents the Print Shop from taking advantage of newer and more efficient processes, particularly larger offset presses and plate-making equipment.

Upon completion of the University Press Addition and relocation of the Print Shop from the Administration Building basement, it is proposed that the basement be reassigned to the Statistical Service Unit whose primary duties are closely related to the administrative offices.

#### *Project — Central Receiving Station*

Appropriation request \$775,000; Gross Square Feet 43,000.

The Central Receiving Station has been operating since November, 1949. Prior to that time all purchases were delivered directly to departments. The need

for a central point through which to clear shipments became so urgent that it was decided to inaugurate the service in low-cost buildings, with the understanding that the arrangement would be *temporary*. A temporary steel building (Quonset Hut) was erected, which was insulated and provided with heat. Another steel warehouse has been added but this addition is not insulated or heated. They are located on the extreme east end of the Physical Plant storage area east of Goodwin Avenue. Also prior to the establishment of Central Receiving, a steel building was erected in the same area for warehousing for Office Supply Storeroom.

The operation has been surprisingly successful in meeting the requirements in view of the difficulties imposed by inadequate space and poor location. With the anticipated increase of activities, the time is fast approaching when it will no longer be possible to handle the load with existing facilities. The present temporary buildings do not provide suitable places for men to work. Only one of them, the Central Receiving Station, is insulated and kept reasonably warm. The others are not insulated and as they require daily use the men must spend considerable time in them without regard to weather.

The proposed building will provide ample space for the Central Receiving Station and warehousing and storage to house the Office Supply and General Chemical Storerooms. In addition, it will allow for the vacation of land required for expansion of the College of Engineering.

It is important that the departments of the University receive needed materials and equipment promptly and in good condition. To accomplish this, the Purchasing Division and storerooms must have proper facilities for storage and delivery.

#### *Project—Relocation of South Garage and Car Pool*

Appropriation request \$600,000 (about half of the cost is for paving, fencing, lighting, site improvements, and equipment); Gross Square Feet 15,960.

The present south garage and car pool is located east of the Agricultural Engineering Building and north of Peabody Drive and occupies approximately one and three-quarters acres of land. Current planning indicates that this space will be needed for the expansion of academic buildings in the period prior to 1969. Although the land is not immediately required, the best estimate to date indicates that at the present rate of increase in travel demands, the physical capacity of the present site will be exceeded by 1963. At that time, a new and larger site for the car pool and garage should be ready for operation.

It is proposed to relocate the south garage and motor pool to an area south of Florida Avenue and adjacent to the Illinois Central Railroad tracks in association with other Physical Plant Service Buildings. Approximately three and one-half acres will be required to provide a garage building, service area, and paved storage lot for University vehicles and a customer parking area for those people desiring to use the University vehicles.

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