

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

July 26, 1954



The July meeting of the Board of Trustees of the University of Illinois was held in the Blackstone Hotel, Chicago, Illinois, on Monday, July 26, 1954, beginning at 10:00 a.m., Central Daylight Saving Time.

The following members were present: Mr. Cushman B. Bissell, Mr. Wirt Herrick, Mr. Robert Z. Hickman, Mrs. Doris S. Holt, Mr. Wayne A. Johnston, Mr. Park Livingston, Mr. Herbert B. Megran, Mr. Vernon L. Nickell, and Mrs. Frances B. Watkins. Mr. Harold E. Grange and Governor William G. Stratton were absent.

Also present were President Lloyd Morey, Provost Henning Larsen, Mr. Ralph F. Lesemann, Legal Counsel, Mr. J. F. Wright, Director of Public Relations, and the officers of the Board, Messrs. H. O. Farber, Comptroller, C. W. Weldon, Treasurer, and A. J. Janata, Secretary.

EXECUTIVE SESSION

When the Board convened, an executive session was requested for consideration of the following matters of business presented by the President of the University.

SALE OF UNIVERSITY HOUSES

(1) Pursuant to the plan authorized by the Board of Trustees for the sale of University-owned residence properties in Urbana-Champaign which are outside the zone of future campus expansion, the Comptroller and the Director of the Physical Plant recommend the following sales:

1. 920 West Charles Street, Champaign. University purchase price, \$16,631.69; date of purchase, September, 1950; appraisal valuation, \$16,000; sale price, \$16,000; purchaser, Jack P. and Edith Ruina.
2. 302 Hessel Boulevard, Champaign. University purchase price, \$14,561.65; date of purchase, February, 1948; appraisal valuation, \$12,000-\$12,500; sale price, \$12,000; purchaser, William E. and Eleanor C. Schaede.

I concur in these recommendations. If the Board approves these sales, the following resolutions should be adopted.

Resolution

WHEREAS, Jack P. Ruina and Edith Ruina, his wife, of Urbana, Illinois, hereinafter termed "Purchasers," have offered to purchase the hereinafter described property known as 920 West Charles Street, Champaign, Illinois, upon the terms and conditions hereinafter set forth;

Now, therefore, be it resolved by the Board of Trustees of the University of Illinois, a public corporation of the state of Illinois, that the Comptroller and Secretary of this Corporation be, and they hereby are, authorized and directed, in the name and in behalf of, this Corporation, to enter into an agreement with said Purchasers providing for the sale and conveyance to them of the hereinafter described property upon the following terms and conditions:

- (A) At a sale price of \$16,000, with customary adjustments to be made therein for taxes, insurance, and abstracting costs;
- (B) This Corporation to furnish Purchasers a merchantable abstract of title and pay for the required Federal Revenue stamps;
- (C) Possession to be delivered to Purchasers at the time final payment is made;
- (D) A deposit of \$1,350, to be made by the Purchasers at the time the Contract of Sale is executed and the balance of the purchase price to be paid at the time of delivery of the deed and not later than six months after the date the contract is executed;
- (E) In the event said property should not qualify upon government appraisal for a Government Insured (G.I.) loan and written notice thereof is given to this Corporation by Purchasers promptly and within six (6) months from the date the contract is executed, said deposit shall be refunded to Purchasers and thereupon the contract shall become ineffective, null and void;
- (F) The Title to be conveyed to be subject to special assessments, building restrictions, and easements of record;
- (G) Such other terms and conditions as said Comptroller and Secretary may deem necessary or desirable.

Be it further resolved that upon compliance with the terms of said agreement by Purchasers, and in accordance with the terms thereof, said Comptroller and Secretary be, and they hereby are, authorized and directed, to execute, acknowledge, and deliver, in the name and in behalf of, this Corporation, and under its Corporate Seal, a Warranty Deed and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to Purchasers, not in tenancy in common, but in joint tenancy, title to the following described property, viz:

Lot 239, of the Chamber of Commerce Addition, an addition to the City of Champaign, situated in the City of Champaign, in the County of Champaign, in the State of Illinois.

Resolution

WHEREAS, William E. Schaede and Eleanor C. Schaede, his wife, of Urbana, Illinois, hereinafter termed "Purchasers," have offered to purchase the hereinafter described property known as 302 Hessel Boulevard, Champaign, Illinois, upon the terms and conditions hereinafter set forth;

Now, therefore, be it resolved by the Board of Trustees of the University of Illinois, a public corporation of the state of Illinois, that the Comptroller and Secretary of this Corporation be, and they hereby are, authorized and directed, in the name and in behalf of, this Corporation, to enter into an agreement with said Purchasers providing for the sale and conveyance to them of the hereinafter described property upon the following terms and conditions:

- (A) At a sale price of \$12,000, with customary adjustments to be made therein for taxes, insurance, and abstracting costs;
- (B) This Corporation to furnish Purchasers a merchantable abstract of title and pay for the required Federal Revenue stamps;
- (C) Possession to be delivered to Purchasers at the time final payment is made;
- (D) A deposit of \$500, to be made by the Purchasers at the time the Contract of Sale is executed and the balance of the purchase price to be paid at the time of delivery of the deed and not later than six months after the date the contract is executed;
- (E) The Title to be conveyed to be subject to special assessments, building restrictions, and easements of record;
- (F) Such other terms and conditions as said Comptroller and Secretary may deem necessary or desirable.

Be it further resolved that upon compliance with the terms of said agreement by Purchasers, and in accordance with the terms thereof, said Comptroller and Secretary be, and they hereby are, authorized and directed, to execute, acknowledge, and deliver, in the name and in behalf of, this Corporation, and under its Corporate Seal, a Warranty Deed and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to Purchasers, not in tenancy in common, but in joint tenancy, title to the following described property, viz:

Lot Fifteen (15) in Lewis S. Colbert's Replat of Lots 119, 120, 121 and part of Lots 115 and 118, in Highland Place Addition to the City of Champaign, situated in the City of Champaign, in the County of Champaign, in the State of Illinois.

On motion of Mr. Herrick, the sale of these properties was authorized and the foregoing resolutions were adopted by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

BIENNIAL BUDGET

(2) The President of the University reported on the studies made of the biennial budget for 1955-57 and discussed the major problems involved, including maintenance of the present scale of operations, provisions for academic and nonacademic salary increases, and provisions for reasonable growth and development. He stated that intensive studies will be made of educational and research programs, other services and administrative overhead to determine wherein economies can be effected. A preliminary review of building needs was also given.

Consideration is also being given to tuition fees to determine if the present rates are adequate (a) in relation to costs of instruction and (b) in comparison with fees charged at other institutions. A report of the faculty Committee on Fees and Scholarships on the latter phase of this question has been made and copies of it have been sent to all members of the Board of Trustees. The President stated that he would defer making a recommendation until further studies have been made, including a report from a subcommittee of the Citizens Committee which has been appointed to advise him on the matter.

A formal recommendation relating to the biennial budget and building program for 1955-57 will be presented to the Board of Trustees at its October meeting.

PAYMENTS DUE CONTRACTORS FOR CONSTRUCTION OF ADDITION TO RESEARCH AND EDUCATIONAL HOSPITALS ADDITION

(3) Before making a final payment on a construction contract, the University requires the contractor to furnish it with a release of all claims, waiver of all liens, and an affidavit acknowledging that payment of balance due will satisfy all claims against the University. Several contractors on the construction of the addition to the Research and Educational Hospitals are unwilling to comply with this requirement because they assert, in addition to claims for balances due under their contracts, substantial claims for damages for delays in the construction of the building for which they contend the University is legally responsible. Because of this the Executive Committee of the Board of Trustees on September 23, 1953, authorized the waiver, upon certain conditions, of the customary requirements with respect to those contractors who in the judgment of University officials have not contributed to the delay in the completion of this building. Under this authorization the University has made payments to some contractors but under an agreement that such payments are made without prejudice to their claims for damages against the University and the University's rights to contest those claims.

The M. J. C. Company, Chicago, heating and refrigerating contractor, and the Wadeford Electric Company, Chicago, electrical contractor, have completed their work and request payment of the balances due under their contracts but also assert claims for damages. In the opinion of University officials these contractors have contributed to the delay in the completion of the building but, nevertheless, they feel these contractors should be paid the balances due them upon compliance with the same conditions applied to final payments in other similar cases, leaving their claims for damages against the University and its claims against them to be disposed of later through settlement or negotiations. Final payment of balances due may assist University officials in reaching a satisfactory settlement with these contractors in respect to their other claims.

The Legal Counsel, the Comptroller, and the Director of the Physical Plant recommend that payment to the M. J. C. Company and Wadeford Electric Company of balances due them under their contracts be authorized upon compliance by them with the conditions specified by the Executive Committee of the Board and which have applied to final payments of other contracts.

I concur.

On motion of Mr. Hickman, authorization was granted as requested.

JOINT MEETING OF ADMINISTRATIVE BOARDS OF STATE-SUPPORTED INSTITUTIONS OF HIGHER EDUCATION IN ILLINOIS

(4) The President of the University presented a suggestion which has come from one of the officers of the Teachers College Board that the Board of Trustees of the University of Illinois invite the members of the Teachers College Board and members of the Board of Trustees of the Southern Illinois University to be their guests at Urbana-Champaign at an informal meeting during the weekend of September 24-26, 1954.

No formal action was taken on this suggestion, but it was the sense of the Board that the President of the University be authorized to set up such an informal meeting if it appears feasible to do so.

APPROPRIATION FOR BOARD OF TRUSTEES

(5) The expenses of operating the Board of Trustees Office during the fiscal year 1953-54 were \$1,052.88 over the budgetary provisions. A large part of this cost is due to printing, including the work on the biennial report (the transactions of the Board of Trustees) for the period of July 1, 1952, to June 30, 1954.

The Secretary requests a supplementary appropriation of this amount to eliminate the over-draft.

On motion of Mr. Livingston, an appropriation of \$1,052.88 was made from the General Reserve Fund to the Board of Trustees Office by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

OPEN SESSION

At 12:00 noon, the Board convened in open session. The same members of the Board, officers of the University, and officers of the Board were present as recorded at the beginning of these minutes.

MINUTES APPROVED

The Secretary presented the minutes of the meetings of the Board of Trustees of April 21 and May 15, 1954, press proof copies of which have previously been sent to the members of the Board.

On motion of Mrs. Watkins, these minutes were approved as printed on pages 1303 to 1364, inclusive.

REPORT OF COMMITTEE ON THE SELECTION OF A PRESIDENT OF THE UNIVERSITY

President Megran, as Chairman of the special Committee on the Selection of a President of the University, reported on the work done by that Committee since its appointment in September, 1953, and stated that a joint meeting of this Committee with the other members of the Board and with representatives of auxiliary committees of the University Senate, the Alumni Association, and the Citizens Committee will be held at 2:00 p.m. today. At this meeting the committees will have an opportunity of presenting their latest report and recommendations to the full Board so that the latter may then determine future course of action.

DR. LLOYD MOREY RE-ELECTED PRESIDENT OF THE UNIVERSITY

On motion of Mr. Herrick, Dr. Lloyd Morey was unanimously re-elected President of the University for one year from September 1, 1954, at a salary of \$25,000, with the usual perquisites of office, including, as heretofore, use of the President's House and automobile.

President Morey responded to this action of the Board with a brief statement including an expression of appreciation on behalf of Mrs. Morey and himself.

REPORT OF SPECIAL COMMITTEE TO STUDY PROPOSAL FOR A FOUR-YEAR UNIVERSITY OF ILLINOIS IN CHICAGO

Mr. Johnston presented the following report.

On May 23, 1953, the Board of Trustees appointed a special committee of the Board to study a petition and proposal from the former Council of the Faculty of the Chicago Undergraduate Division for the establishment of a four-year university in Chicago. The Committee submitted a report to the Board of Trustees on July 25, 1953, with a number of recommendations.

Action on this report was deferred. However, consistent with one of the recommendations of the Board Committee, President Lloyd Morey appointed a Committee on the Future Development of the Chicago Undergraduate Division of the faculty to study this matter intensively with a view to (a) reaching more definite conclusions and (b) complying with the request of the State Commission for information concerning the possible four-year development and

its cost. The staff committee completed its work and made a report to the President on July 1, 1954, which was submitted to your Committee. Copies of this report have also been sent to all of the other members of the Board of Trustees.

The special Board Committee met in Chicago on July 15, 1954, to consider the report of the staff committee in consultation with the President of the University and the University officers directly concerned. Present at this meeting were Messrs. Cushman B. Bissell, Herbert B. Megran, and Wayne A. Johnston of the Board Committee; President Lloyd Morey, Provost Henning Larsen, Professor C. M. Louttit, Assistant to the Provost and Chairman of the Committee on the Future Development of the Chicago Undergraduate Division, Dean C. C. Caveny of the Chicago Undergraduate Division, and Mr. A. J. Janata, Secretary of the Board.

The Chairman briefly reviewed the previous activities of the special Board Committee which led to the preparation of the report of the Committee on the Future Development of the Chicago Undergraduate Division. He also reported on a conference which he and the President of the University had with Mayor Martin H. Kennelly of Chicago and a telephone conference with President William N. Erickson of the State Commission of Cook County to acquaint them with the matter. A summary of the staff committee's report was left with each of these officials (with the Mayor, personally, and with President Erickson's secretary) and attention was called to the University's need for the cooperation of city and county officials, and of other public agencies concerned, on a permanent location for the Chicago Undergraduate Division. Mayor Kennelly gave assurance that the University would have the cooperation requested.

President Morey informed the Committee of the machinery set up for the studies which resulted in the report and then discussed the report, calling upon Professor Louttit and Dean Caveny to supplement his presentation.

The special Committee of the Board of Trustees has carefully considered the report of the Committee on Future Development of the Chicago Undergraduate Division and recommends:

1. That the report and conclusions be accepted by the Board of Trustees as representing the official policy of the University regarding a possible four-year university in Chicago, and that the report be made a matter of public record in the minutes of today's meeting.
2. That the report and conclusions be brought to the attention of the Governor, the State Commission created by the Sixty-eighth General Assembly of Illinois (and any other public commissions which may hereafter be appointed to deal with the problems of higher educational facilities in Illinois), and the Sixty-ninth General Assembly. It is important that the General Assembly be well informed regarding the future development of the Chicago Undergraduate Division since this depends on the availability of funds.
3. That an appropriation of \$25,000 be made from the General Reserve Fund for such future studies of this development as University officers deem are necessary or are called upon to make in the public interest.

Respectfully submitted,

CUSHMAN B. BISSELL

ROBERT Z. HICKMAN

PARK LIVINGSTON

HERBERT B. MEGRAN

VERNON L. NICKELL

WAYNE A. JOHNSTON, *Chairman*

On motion of Mr. Herrick, these recommendations were approved and an appropriation of \$25,000 was made from the General Reserve Fund for studies of the future development of the Chicago Undergraduate Division. These actions were taken by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no,

none; absent, Mr. Grange, Mr. Stratton. The report of the Committee on the Future Development of the Chicago Undergraduate Division is printed as an appendix to these minutes on pages 30 to 44.

REPORT OF COMMITTEE ON STUDENT WELFARE

At the request of Mrs. Holt, Chairman of the Committee on Student Welfare and Activities, the President of the University reported on the proposal, previously referred to her Committee, that the Health Center at Urbana-Champaign be relocated in the McKinley Hospital. The Board Committee is not ready to make a recommendation and is awaiting a report from the Advisory Committee on Health Services appointed by the President to study all of the factors involved in the proposed relocation of the Health Center and related matters.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(6) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard examination given in May, 1954, and who have fulfilled all other legal requirements under Sections 1-3 of the Illinois Accountancy Act of 1943:

JEROME ALBERT (Chicago)	ROBERT CLAUDE GILL (East St. Louis)
RALPH ANTHONY ANDERSKOW (Chicago)	JOSEPH BYRON GINSBURG (Chicago)
JOHN FRANKLIN ANDREWS (Chicago)	PAUL ALAN GOLD (Chicago)
THEODORE BANASZEWSKI (Chicago)	ELWIN JEROME GOLDMAN (Chicago)
WILLIAM JAMES BARNES (Maywood)	NOBLE VAN GRAHAM (Chicago)
WALTER KIRK BARTLETT (LaGrange Park)	HOWARD ERVIN GRAUL (Belleville)
JOSEPH BIRNBERG (Chicago)	ROBERT LOUIS GROTCKE (Forest Park)
JOHN HARDING BOWMAN (Oak Park)	ROBERT FRANK GULLY (Chicago)
JOHN WILLIAM BOYLE (Chicago)	CHRIS GEORGE GUTKANST, JR. (Chicago)
DOROTHY ROBINSON BRANDON (Peru)	LEROY MELVIN HAGER (Maywood)
JOHN TANNEHILL BRESSLER (Chicago)	CHARLES CORNELL HANFORD, JR. (Genesco)
ROBERT ELMER BROWN (Park Forest)	JOHN THOMAS HANNAM (Chicago)
WAYNE FREDERICK BUSWELL (Chicago)	JOHN THOMAS HAYES (Skokie)
GEORGE FARLIN CAUFIELD (Chicago)	ALBERT LEROY HENKLE (Chicago)
KENNETH CARL CHALBERG (Geneva)	RUDOLPH LEOPOLD HIRSCH (Chicago)
HENRY COHEN (Chicago)	WILLIAM ARTHUR HITCHCOCK (East St. Louis)
BARBARA MARGARET COLE (Chicago)	HERBERT LINN HOCHSCHILD, JR. (Mt. Prospect)
JEROME LEONARD COLEMAN (Chicago)	HENRY OSWALD HOUM (Chicago)
THOMAS GEORGE COOK, JR. (Evanston)	ARTHUR HUTCHISON (Chicago)
JAMES CORNELIUS CRAY (Chicago)	FRANCIS PATRICK HYNES (Chicago)
HAROLD FRANCIS CROWLEY, JR. (Chicago)	CHARLES MORRIS INGOLD (Park Forest)
JOHN WILLIAM EICHMAN (Rockford)	MARVIN ROBERT ISAN (Chicago)
BERTRAM EMANUEL (Chicago)	RUSSELL THEODORE JACOBSON (Chicago)
WILLIAM JOSEPH FERRIN (Chicago)	ARNOLD NORMAN JOHNSON (Chicago)
MYRON IRWIN FERTEL (Chicago)	JOHN GERALD KELLY (Chicago)
STANLEY RICHARD FINE (Chicago)	JOHN BOLEN KILGORE, JR. (Chicago)
JEROME DAVID FIREMAN (Chicago)	EDWARD WILLIAM KIRISHIAN (Chicago)
GEORGE RUDOLPH FOSTER (Chicago)	OSCAR MARVIN KRIEGMAN (Urbana)
RICHARD LEWIS FREEMAN (Chicago)	
FRANCIS JOSEPH GALLAGHER (Chicago)	

VERA MAE KRUPNIK (Chicago)	GOOCH VAUGHAN PARKER (Chicago)
RICHARD OSBORNE KUMMERT (Chicago)	DANIEL CLARENCE PLUMMER, JR. (Evanston)
GEORGE CHARLES LARSEN (Franklin Park)	CURTIS ARTHUR QUEDNAU (Maywood)
CLARENCE CHARLES LILLIG (Oak Park)	RICHARD JOSEPH QUINN (Chicago)
GRAYDON MARTUS LINDSKOLD (Rockford)	RICHARD ALAN RATTRAY (Chicago)
BEN LONG (Chicago)	REX ELWIN READE (Chicago)
NORMAN LUBARSKY (Chicago)	ROBERT GAYLE REYNOLDS (Marshall)
GEORGE WALTER LUNDIN (Chicago)	NICHOLAS EMANUEL RHODES (Chicago)
WILLIAM FRANCIS LYNN (Chicago)	JOHN HENRY ROYER (Canton)
WILLIAM EDWARD MAHONEY (Chicago)	EDWARD JOSEPH RYMARZUK (Chicago)
JAMES LEO MAMMOSER (Chicago)	STEPHEN DANIEL SABOFF (Madison)
KENNETH JAMES MAPLEDEN (Harvey)	JOSEPH ROBERT SAKALA (Downers Grove)
ROBERT FRANCIS MAREK (Lansing)	WILLIAM LEE SCHILLING (Moline)
JAMES MURRAY MCKNIGHT (Paris)	WILLIAM FREDERICK SCHMITT (Chicago)
GERALD BERNARD MORROW (Oak Park)	CHARLES LAWRENCE SCHUBER (Evanston)
AIDAN IVAR MULLETT (Oak Park)	JOSEPH PETER SPINGOLA (Chicago)
GEORGE THOMAS NACOS (Chicago)	IRVIN JOHN SPRAWKA (Park Ridge)
JOHN FRANCIS NAGLE (Chicago)	HAROLD JOSEPH STADTL (Berwyn)
JACK BODINE NICHOLSON (Moline)	ROBERT GEORGE STEVENS (Chicago)
EARL SCOTT NIELSEN (Chicago)	MARSHALL GEORGE STOLL (Chicago)
JAY RONALD OLIFF (Chicago)	RICHARD FRANKLIN VANCIL (Alton)
STEPHEN JOSEPH O'MALLEY (Chicago)	WILLIAM KEITH WALDRON (Chicago)
WILLIAM DEAN OSMUNDSON (Rock Island)	EMANUEL WOLGEL (Chicago)
	FREDERICK JOHN WOLZ (Skokie)

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
CHARLES JOSEPH ANTHONY	Dallas, Texas	Texas
ARTHUR FRANK CARPENTIER	Moline	Washington
WILLIAM ROBERT CHARLESTON	Franklin Park	Nebraska
FREDERICK CECIL LAWRENCE	Houston, Texas	Texas
JAY HAMILTON PRICE, JR.	Chicago	Wisconsin
CLAUDE WAYMAN RODGERS	Chatham, New Jersey	Texas

I concur.

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

APPOINTMENTS TO THE FACULTY

(7) 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. MARTIN ANNIS, Assistant Professor in the Department of Physics, beginning September 1, 1954, at an annual salary of \$5,000 (D).
2. ROBERT WEIERTER BALLUFFI, Research Assistant Professor of Physical Metallurgy, in the Department of Mining and Metallurgical Engineering, beginning September 1, 1954, at an annual salary of \$6,000 (D).
3. JAMES LEONARD BATES, Assistant Professor in the Department of History, beginning September 1, 1954, at an annual salary of \$5,500 (D).
4. JOHN HARKNESS BYERS, Assistant Professor in the Department of Dairy Science, beginning July 1, 1954, at an annual salary of \$6,200 (DY).
5. MERWIN REID CHAPPEL, Medical Adviser and Assistant Professor of

- Hygiene in the Health Services, beginning September 1, 1954, at an annual salary of \$8,000 (DY).
6. NEWTON SEYMOUR HAWLEY, JR., Assistant Professor in the Department of Mathematics, beginning September 1, 1954, at an annual salary of \$5,800 (D).
 7. ALEX HELLER, Assistant Professor in the Department of Mathematics, beginning September 1, 1954, at an annual salary of \$4,500 (D).
 8. EUGENE YUCHING HUANG, Research Assistant Professor in the Department of Civil Engineering, beginning September 1, 1954, at an annual salary of \$5,500 (DY).
 9. BERNARD KARSH, Assistant Professor in the Institute of Labor and Industrial Relations, beginning September 1, 1954, at an annual salary of \$5,500 (DY).
 10. DAVID SAMUEL LIEBERMAN, Assistant Professor of Metallurgical Engineering, in the Department of Mining and Metallurgical Engineering, beginning September 1, 1954, at an annual salary of \$5,500 (D).
 11. THOMAS WILSON LONGMORE, Professor of Rural Sociology in the Department of Agricultural Economics, assigned to Allahabad Agricultural Institute of India for two years beginning September 1, 1954, under contract with the United States Government, at an annual salary of \$10,000 (GY).
 12. GAZE ELMER LUKAS, Assistant Professor in the Department of Accountancy, beginning September 1, 1954, at an annual salary of \$5,500 (D).
 13. FUJIO MATSUDA, Research Assistant Professor of Structural Engineering, in the Department of Civil Engineering, beginning September 15, 1954, at an annual salary of \$6,000 (DY).
 14. MARVIN METZGER, Research Assistant Professor of Physical Metallurgy, in the Department of Mining and Metallurgical Engineering, beginning September 1, 1954, at an annual salary of \$5,500 (B).
 15. JAMES JOSEPH MULLEN, Assistant Professor in the School of Journalism and Communications, beginning September 1, 1954, at an annual salary of \$5,400 (D).
 16. JOHN HOWARD SCHNEEWIND, Clinical Assistant Professor and Chief of Emergency Service in the Departments of Surgery and Emergency Service at the Research and Educational Hospitals, beginning July 1, 1954, at an annual salary of \$5,000 (DY90).
 17. FRANK EDWIN SOUTH, JR., Assistant Professor in the Department of Physiology, beginning September 1, 1954, at an annual salary of \$6,000 (B).
 18. WILLIAM LEROY VOGT, Psychiatrist and Professor of Psychiatry and Mental Health in the Health Services, beginning August 1, 1954, at an annual salary of \$12,000 (DY).
 19. CHU-KIA WANG, Professor of Architectural Engineering, in the Department of Architecture, beginning September 1, 1954, at an annual salary of \$7,500 (D).
 20. HOWARD EUGENE WEAVER, Assistant Professor of Recreation, in the Department of Physical Education for Men, beginning September 1, 1954, at an annual salary of \$5,400 (D).

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

COLLEGE ADVISORY COMMITTEES IN AGRICULTURE

(8) 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, 1954, for the terms indicated.

Agricultural Economics

CURT ECKERT, Belleville (three years)

Agricultural Engineering

A. STEPHEN PAYDON, Plainfield (three years)

B. G. PERKINS, Prophetstown (three years)

Agronomy

EMIL F. HAUDRICH, Belleville (one year)

PAUL SHUMAN, El Paso (three years)

C. J. WAGNER, Eldorado (three years)

Animal Science

TREVOR L. JONES, Havana (three years)

C. L. MCHATTON, Baldwin (three years)

Dairy Science

GEORGE BEUTEL, Mokena (three years)

RAYMOND GREEN, Gibson City (three years)

OLIVER SPITZE, Edwardsville (three years)

Forestry

LAFAYETTE FUNK, Shirley (three years)

LESTER R. STONE, East Moline (three years)

Horticulture (Vegetables, Fruits, Ornamentals)

HARVEY B. HARTLINE, Carbondale (three years)

Horticulture (Floriculture)

DEWITT C. LINDLEY, Springfield (three years)

P. A. WASHBURN, Bloomington (three years)

I concur.

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

COLLEGE ADVISORY COMMITTEE IN VETERINARY MEDICINE

(9) The Dean of the College of Veterinary Medicine recommends the following appointments to the advisory committee of the College of Veterinary Medicine for a term of three years beginning September 1, 1954:

DR. EARL J. ALBERS, Murphysboro

MR. R. V. MCKEE, Varna

DR. WILLIAM PAUL HENDREN, Carthage

DR. WILLIAM G. RAUDABAUGH, Piper City

DR. ARMAND A. LEGNER, Sandwich

DR. HERBERT P. WESSELS, Geneva

Mr. McKee, whose present term expires August 31, 1954, is being reappointed. The others are new appointees.

I concur.

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

COMMITTEE ON ADMISSIONS FOR SCHOOL OF NURSING

(10) Each of the Chicago Professional Colleges has a Committee on Admissions which passes upon the qualifications of applicants taking into consideration such factors as their scholastic record, letters of recommendation from former instructors, health record, and results of aptitude tests or such other special examinations as may be deemed advisable.

The Acting Director of the School of Nursing and the Chairman of the Administrative Committee for the Chicago Professional Colleges recommend authorization of a Committee on Admissions to the School of Nursing to be appointed by the President of the University. The functions of this Committee will be to develop and periodically evaluate selective techniques for selection of candidates to the School of Nursing, and to select, from candidates who meet the general admission requirements of the University and of the School of Nursing, those applicants with the academic and personal qualifications desirable for professional nursing.

I concur.

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

FEE FOR PUBLICATION OF DOCTORAL THESES

(11) A candidate for the doctorate is charged a fee of \$30 to cover the costs of microfilming the thesis and printing an abstract in *Dissertation Abstracts*. This fee was formerly \$35 and was reduced to \$30 last year. Experience during the past year indicates that a fee of \$25 is sufficient, and the Dean of the Graduate College recommends a further reduction to \$25.

I concur in this recommendation.

On motion of Mrs. Holt, this change in fee was approved.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(12) The Committee on Nonrecurring Appropriations recommends assignments of funds as follows:

1. Physical Plant, for consolidation of Physical Plant and Agriculture car pools and garage service.....	\$46 575
2. Department of Speech, for equipment for use in testing and fitting hearing aids	2 950
Total.....	\$49 525

I recommend that these appropriations be made from the General Reserve Fund.

On motion of Mr. Livingston, these appropriations were made by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

APPROPRIATION FOR BUILDING STUDIES

(13) The Director of the Physical Plant and the Comptroller recommend that an appropriation of \$10,000 be made from the General Reserve Fund to be added to a balance in an existing appropriation for building studies, the same to be made available for preliminary architectural studies and plans for remodeling of existing building areas, with allocations to be made to various projects by the Comptroller on recommendation of the Director of the Physical Plant. This will permit the completion of preliminary plans for buildings highest in the list of priorities for future construction including the Life Sciences Building, the Architecture Building, and the Band Building.

I concur in this recommendation.

On motion of Mr. Nickell, this appropriation was made by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

APPROPRIATION FOR EXPERIMENTAL PROGRAM FOR IMPROVEMENT OF SECONDARY SCHOOL MATHEMATICS

(14) The University of Illinois Committee on Secondary School Mathematics was organized in December, 1951, to examine the problem of secondary school mathematics in its entirety. After careful study, the Committee proposed an integrated sequence in mathematics departing radically from the conventional plan of the high schools. Extensive materials for the first year have been developed, and tentative schedules for the second year are established.

Three schools—University High School, Barrington High School, and Blue Island High School—have carried experimental classes through the first year, and these schools wish to continue the program into the second year. More schools should be brought into the program.

To date the program has been financed on an improvised basis by assigning staff from the Department of Mathematics and the College of Education. It is hoped in the future to secure adequate funds from outside grants or by assignment in the next biennial budget. In the meantime, the College of Education requests a nonrecurring assignment of \$8,700 to provide for work of the Committee during the year 1954-55.

This program attempts to solve highly significant problems in basic training in mathematics which is of prime importance both for the adequate training of engineers and for the program in general education. It is strongly endorsed by the College of Engineering, the Department of Mathematics, and the Provost.

I concur and recommend that a nonrecurring appropriation of \$8,700 be made from the General Reserve Fund for this project.

On motion of Mr. Nickell, this appropriation was made by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

APPROPRIATION FOR COOPERATIVE RESEARCH WITH SOUTHERN ILLINOIS UNIVERSITY

(15) The Dean of the College of Agriculture recommends the establishment of an Agronomy Research Center at Carbondale to be operated jointly by the Department of Agronomy of the University of Illinois and the Department of Agriculture of Southern Illinois University for research and demonstrations on soils and agronomic crops. The Superintendent of the Research Center shall be selected by the two universities and shall work under the direction of the Department of Agronomy of the University of Illinois and the Department of Agriculture of Southern Illinois University. Each institution shall provide one-

half of the Superintendent's salary and shall also contribute equally to the salary of a nonacademic employee and to an operating fund for labor, seed, fertilizer, and other necessary expenditures. Southern Illinois University is to provide a minimum of forty acres of land near its campus and the necessary office and laboratory facilities and storage buildings. The University of Illinois agrees to provide the machinery and equipment needed for the operation of the Center.

The Dean of the College of Agriculture and the Provost recommend approval of this agreement and a special appropriation of \$6,000 for the University's share of the cost during the year 1954-55. Costs in future years will be met out of the aggregate allotment to the College of Agriculture if the project is continued.

I concur.

On motion of Mrs. Holt, this appropriation was made by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

APPROPRIATION FOR ARTERY BANK

(16) On request of the Administrative Committee of the Chicago Professional Colleges and with the concurrence of the Provost and the Comptroller, I recommend an appropriation of \$4,000 from the General Reserve Fund for establishing an artery bank in the Research and Educational Hospitals. This bank is of importance to research activities in the Department of Surgery and in the care of patients who need highly technical and modern therapy treatment of certain vascular diseases. Operating costs for continuation of the program will have to come from such funds as are available to the Chicago Professional Colleges during the next biennium.

On motion of Mrs. Watkins, this appropriation was made by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

RELATIONSHIP WITH PROFESSIONAL ALUMNI ASSOCIATIONS

(17) On January 19, 1954, the Board of Trustees received a communication from the Medical Alumni Association requesting consideration of closer relationships between that organization and the University. The matter was referred to the Board of Trustees Committee on Alumni which discussed it with representatives of the Medical Alumni Association and referred the matter to the President of the University to endeavor to develop a closer integration of the University of Illinois Alumni Association, the professional associations, and the University.

Conferences have been held which included all interested groups, and an agreement has been reached on the following program for a trial period of two years:

1. An office assistant to handle alumni affairs will be added to the Public Relations Office at the Chicago Professional Colleges.
2. That office in cooperation with the general Alumni Association will handle all solicitation of memberships of graduates of the Professional Colleges and maintain a local mailing file. (Detailed information will be kept in the Alumni Association file at Urbana-Champaign. Membership dues will be \$5.00 a year, \$3.00 of which will go to the Alumni Association and \$2.00 will be retained by the respective professional alumni associations.)
3. The present *Faculty Newsletter* of the Chicago Professional Colleges will be changed to *Faculty-Alumni Newsletter* and will be the official organ of all the professional associations although they may, from time to time, send special mailings to their own members at their own expense. At least three times a year this Newsletter will go to the entire alumni list of all Chicago Professional Colleges and an occasional issue of the *Illinois Alumni News* also will be sent.
4. All professional associations also will retain their own organizations and

their own officers as at present, but all persons taking memberships will become members both of the University of Illinois Alumni Association and the respective professional associations.

5. The estimated budget for these services is as follows:

Office secretary	\$3 600
Three issues of Newsletter.....	3 000
Office expense and miscellaneous.....	900
Total budget per year.....	\$7 500

It is proposed to finance this program for the year 1954-55 as follows:

From the Alumni Association (amount now assigned by it to the individual professional associations).....	\$1 200
From the present Public Relations budget for preparation of <i>Faculty Newsletter</i>	1 300
Additional University appropriation.....	5 000

The Alumni Association agrees that any additional income accruing to it as the result of this new plan over and above present income and up to \$1,800 will be appropriated by it toward this budget to reduce the University appropriation.

I recommend that this plan be approved on a trial basis and that a non-recurring appropriation of \$5,000, or so much thereof as may be required, be made to finance the program for the year 1954-55.

On motion of Mr. Bissell, this plan was approved and an appropriation of \$5,000 was made from the General Reserve Fund by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

CONTRACTS FOR CONSTRUCTION OF CATTLE SHEDS ON ALLERTON FARMS

(18) The College of Agriculture and the Comptroller recommend award of contracts to the Rupel and Moore Grain Company, Charleston, the lowest bidder, for the construction of a cattle shed on Allerton Farm No. 2 at a cost of \$2,811 and a cattle shed on Allerton Farm No. 3 at a cost of \$2,995.

Funds for these improvements are available in income from the operation of the farms.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute the contracts.

On motion of Mr. Livingston, these contracts were awarded, as recommended, and the Comptroller and the Secretary of the Board were authorized to execute the same. This action was taken by the following vote: Aye, Mr. Bissell, Mr. Herrick, Mr. Hickman, Mrs. Holt, Mr. Johnston, Mr. Livingston, Mr. Megran, Mr. Nickell, Mrs. Watkins; no, none; absent, Mr. Grange, Mr. Stratton.

CONTRACT FOR INSTALLATION OF POWER PLANT EQUIPMENT

(19) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$11,515 to Shea-Matson Trucking Company, Milwaukee, Wisconsin, the lowest bidder, for the erection and installation of equipment at the Abbott Power Plant addition. This will include erection of a turbine generator, installation of condensing equipment and accessory installations, which equipment has been purchased under other contracts.

Funds are available in the state appropriation for the addition to the Power Plant, subject to release by the Governor.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mr. Johnston, this contract was awarded, and the Comptroller and the Secretary of the Board were authorized to execute the same.

CONTRACTS FOR COAL PURCHASES

(20) The Director of Purchases, the Comptroller, and the Director of the Physical Plant recommend award of the following contracts for 41,000 tons of coal screenings to be delivered to the Abbott Power Plant during the period from September 1, 1954, through May 31, 1955:

	<i>f.o.b. Mine</i>	<i>Freight</i>	<i>Total Cost</i>
Bell and Zoller, Terre Haute, Indiana Mines at Danville, Illinois 10,000 tons @ \$3.80.....	\$ 38 000	\$ 11 088	\$ 49 088
Republic Coal and Coke Company, Peoria Mines at Danville, Illinois 31,000 tons @ \$4.00.....	\$124 000	\$ 34 372	\$158 372

Sealed bids on uniform specifications were opened on June 28, 1954. Invitations were sent to twenty-one producers and sales agencies and advertisements were published in three daily papers.

The bids are evaluated in the terms of the number of British Thermal Units purchased for one cent based on guaranteed analysis. A continuous check is maintained to insure compliance with specifications. Bell and Zoller and Republic Coal and Coke Company are the lowest bidders, the former being very slightly lower. Bell and Zoller bid only on 10,000 tons, hence the order is being divided. It is also advantageous to have more than one source of supply to be assured of delivery of coal at all times.

The prices quoted are based on present wage scales and are subject to increase or decrease in event that wage contracts now in effect are changed. Any such change will affect the price to the extent that production costs are increased or decreased by the new contracts. The University may cancel the purchase contract if it believes that any price adjustment is not justified.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute contracts as recommended, subject to the approval by the Governor as required by the state constitution.

On motion of Mrs. Holt, these contracts were awarded, as recommended, and the Comptroller and the Secretary of the Board were authorized to execute the same.

**CONTRACT FOR CONSTRUCTION OF PARKING LOT ADJOINING
EAST DENTISTRY-MEDICINE-PHARMACY BUILDING**

(21) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$18,975 to the Swanson Asphalt Company, Chicago, the lowest bidder, for the construction of a parking lot north of the East Dentistry-Medicine-Pharmacy Building in the area bounded by Wood, Polk, Hermitage, and Taylor Streets. The work will consist of preparing and paving (black top) the area and installing curbing, lighting, fencing, and drainage.

Funds are available in the state appropriation for the construction of the East Dentistry-Medicine-Pharmacy Building.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mr. Herrick, this contract was awarded and the Comptroller and the Secretary were authorized to execute the same.

**CONTRACT FOR BUILDING ALTERATIONS AT THE
CHICAGO PROFESSIONAL COLLEGES**

(22) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$15,780 to the Mueller Construction Company, Chicago, the lowest bidder, for remodeling areas in the second unit of the Dentistry-Medicine-Pharmacy Building to be vacated by the College of Pharmacy when it has moved into the East Dentistry-Medicine-Pharmacy Building. The work will consist of remodeling and alterations in six rooms to be used by the Office of Nonacademic Personnel, one room for the Office of Public Relations, and three rooms for the School of Nursing.

Funds are available in the 1951 Revenue Bond Construction Account.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mrs. Watkins, this contract was awarded and the Comptroller and the Secretary were authorized to execute the same.

**CONTRACT FOR REMODELING IN DENTISTRY-MEDICINE-PHARMACY
BUILDING TO IMPROVE QUARTERS FOR
DEPARTMENT OF BACTERIOLOGY**

(23) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$30,208 to the Mutual Contracting Company, Chicago, the lowest bidder, for remodeling quarters in the Dentistry-Medicine-Pharmacy Building at the Chicago Professional Colleges. The work will consist of rearrangement of partitions, improvements in lighting, and installation of new laboratory equipment to modernize the Department of Bacteriology in the College of Medicine. This is part of the remodeling program related to the activation of the Research and Educational Hospitals Addition and the construction of the East Dentistry-Medicine-Pharmacy Building.

Funds are available in the 1951 Revenue Bond Construction account.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mrs. Watkins, this contract was awarded and the Comptroller and the Secretary were authorized to execute the same.

**CONTRACT FOR REMODELING IN DENTISTRY-MEDICINE-PHARMACY
BUILDING TO IMPROVE QUARTERS FOR
DEPARTMENT OF PATHOLOGY**

(24) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$60,700 to the Mutual Contracting Company, Chicago, the lowest bidder, for remodeling quarters in the Dentistry-Medicine-Pharmacy Building at the Chicago Professional Colleges. The work will consist of the rearrangement of partitions, improvements in lighting and ventilating, and installation of laboratory equipment to modernize the Department of Pathology in the College of Medicine. This is part of the remodeling program related to the activation of the Research and Educational Hospitals Addition and the construction of the East Dentistry-Medicine-Pharmacy Building.

Funds are available in the \$940,000 reserve for remodeling at the Chicago Professional Colleges approved by the Board of Trustees at its meeting on May 15, 1954.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mrs. Watkins, this contract was awarded and the Comptroller and the Secretary were authorized to execute the same.

**CONTRACT FOR REMODELING IN DENTISTRY-MEDICINE-PHARMACY
BUILDING TO IMPROVE QUARTERS FOR DEPARTMENTS
OF PHYSIOLOGY AND PHARMACOLOGY**

(25) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$82,945 to Russell Mansfield, Chicago, the lowest bidder, for remodeling in the Dentistry-Medicine-Pharmacy Building at the Chicago Professional Colleges. The work will consist of the rearrangement of partitions, improvements in lighting and ventilating, and installation of new laboratory equipment to modernize quarters occupied by the Departments of Physiology and Pharmacology in the College of Medicine. This is part of the remodeling program related to the activation of the Research and Educational Hospitals Addition and the construction of the East Dentistry-Medicine-Pharmacy Building.

Funds are available in a special appropriation made by the Board of Trustees on May 15, 1954, for this remodeling program.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mrs. Watkins, this contract was awarded and the Comptroller and the Secretary were authorized to execute the same.

**CONTRACT FOR REMODELING IN DENTISTRY-MEDICINE-PHARMACY
BUILDING TO IMPROVE QUARTERS FOR COLLEGE
OF DENTISTRY DEPARTMENTS**

(26) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$39,938 to Russell Mansfield, Chicago, the lowest bidder, for remodeling quarters in the Dentistry-Medicine-Pharmacy Building at the Chicago Professional Colleges. The work will consist of rearrangement of partitions, improvements in lighting and ventilating, and installation of new laboratory equipment to modernize the Departments of Radiology and Crowns and Fixed Partial Dentures in the College of Dentistry. This is part of the remodeling program related to the activation of the Research and Educational Hospitals Addition and the construction of the East Dentistry-Medicine-Pharmacy Building.

Funds are available in the 1951 Revenue Bonds Construction account.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mrs. Watkins, this contract was awarded and the Comptroller and the Secretary were authorized to execute the same.

**CONTRACT FOR CONSTRUCTION OF MASTER TELEVISION ANTENNA
AT CHICAGO PROFESSIONAL COLLEGES**

(27) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$2,902 to R. Cooper, Jr., Inc., Chicago, the lowest bidder, for the erection of a master television antenna at the Chicago Professional Colleges. The work will consist of furnishing and installing a complete master television antenna system for the distribution of television carrier signals to outlets in various areas of the hospitals. This is necessary because the new East Dentistry-Medicine-Pharmacy Building and the Hospital Addition greatly interfere with television reception on ordinary type aerials.

Funds are available in a special appropriation made by the Board of Trustees on February 18, 1954, for remodeling.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mrs. Watkins, this contract was awarded and the Comptroller and the Secretary were authorized to execute the same.

COMPTROLLER'S REPORT OF CONTRACTS

(28) The Comptroller's report of contracts executed during the period June 1 to June 30, 1954.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Iron and Steel Institute	Continuous reinforced concrete beams failing in shear	\$9 000 00	July 1, 1954
American Society of Heating and Ventilating Engineers	Venting of hot water heating systems	4 200 00	July 1, 1954
Bowman Feed Products, Inc.	Animal fat in rations for milk production	500 00	June 1, 1954
Carbide and Carbon Chemical Company	Weeds study	500 00	June 9, 1954
Eaton Laboratories, Division of the Norwich Pharmacal Company	Effect of chemical compounds known as nitrofurans on dairy calves	1 500 00	June 4, 1954
Honegger Farms Company, Inc.	Operation of poultry laying flocks on Illinois farms	3 500 00	June 1, 1954
Kretchmer Corporation	"Wheat germ" in physical fitness tests	2 500 00	June 1, 1954
Refrigeration Research Foundation	Foods in the cooling and freezing range	2 000 00	July 1, 1954
State of Illinois Department of Public Welfare	Neurons in tissue culture	50 000 00	May 7, 1954

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Cable Electric Company, Inc.	Electrical work in east sub-station, Chicago	\$ 915 00	June 2, 1954
Fettes, Love, and Sieben, Inc.	Foundation drainage at Student Residence Hall, Chicago	719 00	June 2, 1954
Museum of Modern Art	Exhibition, "The Modern Movement in Italy"	200 00 plus transportation charges	June 28, 1954
St. Philip High School, Chicago	Rental of football stadium for October 30 and November 6, 1954	270 00	April 5, 1954
John Taylor	Bus transportation for summer residential clinic for handicapped children	Rates per contract	June 1, 1954

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Department of Agriculture, Commodity Credit Corporation	Property at Amenia known as the Allerton switch elevator (five years at \$130.00 a year)	\$ 650 00	July 1, 1954
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Deere Plow Company (three lease agreements)	Farm equipment for use by department of agriculture	\$ 186 73	June, 1954

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Dehydrators Association	Unidentified growth factors in alfalfa	\$2 500 00	July 1, 1954
American Petroleum Institute	Effect of various nitrogen oxides, nitric acid, and various particulate matter upon the sulfur dioxide-sulfur trioxide equilibrium in an atmosphere irradiated by sunlight	10 438 35	June 15, 1954
Carbide and Carbon Chemical Company	Pyrethrins in the control of flies affecting livestock	2 200 00	June 24, 1954
Enameled Utensil Manufacturers Council	Enamel standards	6 940 44	September 1, 1954
United States Army DA-49-007-MD-421	Transmission of the common cold under controlled conditions	35 254 00	July 1, 1954
United States Navy Nonr-1244(00)	Establishment of a program for the initiation of training in military and disaster medicine	15 000 00	June 4, 1954
VioBin Corporation	Non-vitamin E nutrient values of wheat germ oil	1 500 00	May 20, 1954

Adjustments Made in 1952-53 Cost-Plus Contracts
(Adjustments in projects authorized prior to July 1, 1953)

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Potter Electric Service	Engineering Research Laboratory fourth floor air conditioning	\$ 224 88 ¹	May 19, 1954

Adjustments Made in 1953-54 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Fourteen items: \$67.32 deduct to \$1,400.00	\$1 998 44	June, 1954
E. C. Manthei (Consulting engineering service)	Davenport Hall alterations	197 52 ¹	May 27, 1954

This report was received for record.

¹ Deduct.

PURCHASES

Purchases Authorized

(29) The following purchases were authorized by the Executive Committee on recommendation of the Director of Purchases, the Comptroller, and with the concurrence of the President of the University.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
1,300 tons (approximately) pea size coke to be delivered to Illini Village and Stadium Terrace housing units as required during the year ending June 30, 1955	Housing Division	Champaign Builders Supply Co., Champaign	\$23 738 00
40,000 reams 8 3/8" x 10 7/8", 16 lb. mimeographed bond paper	Office Supply Storeroom	Carpenter Paper Co., Chicago	23 254 00 f.o.b. delivered
2,000 reams 8 1/2" x 14", 16 lb. mimeographed bond paper To be delivered during the year 1954-55 to the Urbana and the Chicago departments			
Stainless steel slide rails, five sets of stainless steel storage cabinets, and eight stainless steel shelves, including installation	Men's Residence Halls	Albert Pick Co., Chicago	3 669 00 f.o.b. Urbana
Printing and binding three issues of <i>Library Trends</i>	Library School	Pantagraph Printing and Stationery Co., Bloomington	4 000 00 f.o.b. Bloomington
320 cases No. 206 Fort Howard Triumph Handi-Strength towels, 10 1/4 x 13 1/4	Physical Plant Storeroom	Illini Chemical Co., Champaign	3 138 00 f.o.b. University
110 cases 2000 sheets, 4 1/2" x 4 1/2" no label manila toilet tissue			ware-house
90 cases 4 1/2 x 4 1/4 Palmer bleached toilet tissue			
200 tons (approximately) of 1/4" screened rock chips	Physical Plant Stores	Champaign Builders Supply Co., Champaign	5 180 00 f.o.b. delivered
1,000 tons (approximately) of No. 8 crushed stone road binder			
750 tons (approximately) of class X crushed rock			
Group aviation accident and sickness insurance, for three years from August 1, 1954, covering employees while flying in military aircraft to test equipment in research under contracts with the United States government. Indemnities would include principal from benefits three times the maximum coverage of \$50,000, weekly accident and sickness benefits of \$100, and blanket medical expense benefits of \$500 for each insured. The policy is subject to cancellation at any time at the discretion of the University. This insurance is recommended in view of extra risks, and the premium will be paid from contract funds.	Engineering Research	George B. Franks, Champaign, representing the Continental Casualty Company	4 590 00

This report was received for record.

Purchases Recommended

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

I concur.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
30,000 Illinois Farm Account books to be printed	Agricultural Economics	Interstate Printing Co., Danville	\$4 091 00 f.o.b. Urbana
One preparative centrifuge, ultra high speed, complete with refrigeration and vacuum system and accessories (Spinco Model L)	Botany	Specialized Instrument Corporation, Belmont, Calif.	5 320 00 f.o.b. Urbana
One special rotor, type SW39L, No. 3410			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
40,000 lbs. 25 x 38, 70 lb. enamel book paper	Office Supply Storeroom	J. W. Butler Paper Co., Chicago	\$ 9 104 00 f.o.b. delivered
6,000 lbs. 25 x 38, 60 lb. enamel book paper			
10,000 lbs. 22 1/2 x 35, 58 lb. enamel book paper			
To be used by the University Print Shop			
One 10" x 14" offset press (this is to replace a Multilith press purchased in 1941 which will be traded in as part of the purchase price of the new press)	Print Shop	Davidson Sales and Service Agency, Peoria	2 766 25 f.o.b. Brooklyn, N.Y.
Publication of weekly newspaper <i>Pier Illini</i> , September 1, 1954-June 30, 1955, consisting of twenty-two eight-page issues of 4,000 copies each and four twelve-page issues of 4,000 copies each	Dean of Men, Chicago Undergraduate Division	Garfieldian Publications, Chicago	8 325 38
5,000 copies of Dental Manuals to be printed and bound (this is paid for from a revolving fund, the income of which is from postgraduate fees charged practitioners enrolling in post-graduate courses)	University Press	Neely Printing Co., Chicago	5 764 00 f.o.b. Chicago
931 16 mm. sound films for the Visual Aids Service Library	Visual Aids Service, Division of University Extension	Coronet Films, Chicago	54 635 00 f.o.b. delivered
1,044 cases (six bottles per case) blood collection bottles, vacuum type, conforming to National Institute of Health Standards for use in the Research and Educational Hospitals	Blood Bank, Chicago Professional Colleges	Mead-Johnson and Co., Chicago	3 868 02 delivered
Furnish and install 379 wood frame screens on the fifth through fourteenth floors of Research and Educational Hospitals Addition	Physical Plant, Chicago Professional Colleges	W. L. VanDame Co., Chicago	3 237 00
Furnish and install 562 standard punched mullion post caps in thirty-nine locations in the East Dentistry-Medicine-Pharmacy Building	Physical Plant, Chicago Professional Colleges	E. F. Hauserman Co., Chicago	4 521 20
5,000 diploma covers	Admissions and Records Office	W. M. Welch Manufacturing Co., Chicago	7 350 00 f.o.b. Urbana
20,000 lbs. white lead paste, type C, in 100 lb. kegs	Physical Plant Stores	National Lead Co., Chicago	3 690 00 f.o.b. delivered
Two-step voltage regulators 50 kva, 100 ampere	Physical Plant	Allis-Chalmers Manufacturing Co., Peoria	3 214 00 f.o.b. delivered
360,000 lbs. (approximately) rock salt, water softener grade, to be ordered as required from August 1, 1954, through June 30, 1955	Physical Plant	International Salt Co., St. Louis, Mo.	5 508 00 f.o.b. delivered
Laundry approximately 180,000 towels for the Department of Physical Education during the period September 1, 1954, through June 30, 1955	Physical Education, Chicago Undergraduate Division	American Linen Supply Co., Chicago	4 374 00 (estimate)
Continuous cloth towel service (approximately 20,600 50 yards x 12 inches roller towels) in various locations in the Chicago Professional Colleges and the Chicago Undergraduate Division beginning August 1, 1954, and ending June 30, 1955	Physical Plant, Chicago Professional Colleges	American Linen Supply Co., Chicago	10 300 00 (estimate)
20,000 gallons MCO-MC-5 asphalt 650 tons 3/8" and 3/4" aggregate To be spread in accordance with bituminous construction specifications at various campus locations	Physical Plant	Illiana Construction Co., Urbana	7 375 00
170 (approximately) uniforms for advanced Air Force R.O.T.C. 230 (approximately) uniforms for advanced Ground Force R.O.T.C. (Each uniform consists of coat, trousers, cap, two shirts, tie, and belt.)	Military Department	Sholem's, Champaign	24 484 50
One twelve-bay TV antenna with deicer	Television-Motion Pictures	General Electric Co., Syracuse, N.Y.	36 663 00 f.o.b. Syracuse, N.Y.

Item	Department	Vendor	Cost
Telephone service for transmission of five postgraduate telephone extension programs on <i>Current Advances in Dentistry</i>	Dentistry, Postgraduate Studies Extension Division	American Telephone and Telegraph Co., Chicago	\$12 700 00

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

INCREASE IN HOSPITAL AND MEDICAL SERVICE FEE

(30) All students enrolled in the University at Urbana-Champaign, with certain exceptions,¹ are charged a fee of \$5 each semester for insurance for hospital and medical services. The income from this fee is used to purchase insurance providing certain specified benefits to students including hospitalization, additional hospital services (such as laboratory tests, anesthesia, and drugs), physician's fees while in hospital, and surgical fees. The extent and value of these benefits obviously depend upon the insurance which can be purchased. The fee has remained the same since 1943, while hospital costs have gone up so that it has been impossible to secure increased allowances under the insurance program. The Advisory Committee to the Health Services recommends an increase in the hospital medical service fee from \$5 to not over \$8 a semester to provide the following improvements in benefits:

1. Increased allowance for hospitalization from \$7.50 a day to \$10 a day up to twenty-one days each semester.
2. Increased allowance for additional hospital services such as laboratory tests, drugs, etc. from \$37.50 (not including x-rays) to \$100 (including x-rays) a semester.
3. Increased allowance for physician's and surgeon's fees.

The Advisory Committee recommends that this program be put into effect beginning with the first semester of 1954-55. The proposal was received too late for consultation with the University Committee on Fees and Scholarships regarding the increase in fees and too late to secure competitive bids from insurance companies on increased schedule of benefits. In view of this situation I recommend that (a) the program be approved in principle, and (b) the Comptroller be authorized to negotiate with the Continental Casualty Company, the present carrier of this risk, all subject to review and final approval by the Executive Committee of the Board of Trustees.

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

EDUCATIONAL PROGRAM FOR UNITED STATES BUREAU OF INTERNAL REVENUE EMPLOYEES

(31) The United States Commissioner of Internal Revenue desires to contract with a university to provide advanced training in accounting, management, and business for employees of the Bureau. He has invited all educational institutions which have accredited colleges, schools, or departments of commerce or business to submit proposals for participation in this training program for a contract with the United States government. The Bureau proposes to inaugurate a program for 1954 with one hundred of its employees to be assigned to the institution selected. A second group of one hundred employees would be enrolled for the second semester of 1954-55. The number of students will increase materially if the program is successful.

On recommendation of the Dean of the College of Commerce and Business Administration and the Comptroller I have authorized the submission of a proposal from the University of Illinois to the Bureau of Internal Revenue that the University will accept an initial group of one hundred students with the understanding that they will take courses regularly offered and that the Bureau will pay the out-of-state tuition fee for each trainee. Confirmation of this action and authorization of the Comptroller and the Secretary of the Board to execute any necessary contracts is requested.

On motion of Mr. Johnston, this action was confirmed and authority was given as requested.

¹ Except students enrolled for not more than one unit of graduate work or five hours of undergraduate work in a semester or a corresponding schedule in the summer session. A student who presents evidence of being in another insurance system providing substantially the same benefits as the University insurance may have the fee refunded.

PRESIDENT'S REPORT

This being the last meeting of the Board of Trustees for the academic year 1953-54, President Lloyd Morey presented "The University of Illinois in 1953-54, a Report by the President of the University," as a report of his administration covering this academic year. Copies of this report were distributed to the members of the Board and a copy has been filed with the Secretary of the Board 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, cancellations, and declinations; (5) leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

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

- AALAND, MRS. SHARON E., Assistant in Food Technology (S), June 16-August 31, 1954, \$3,000 a year (7-2-54).
 ABELL, ROBERT L., Catalog Assistant in the Library, one year beginning September 1, 1954, \$3,800 (7-2-54).
 ADAMS, LOIS G., Visiting Lecturer in Home Economics, in the Summer Session of 1954, June 18-July 17, 1954, \$526 for the period (6-18-54).
 ALEXANDER, MELANCTHON H., Associate Professor of Dairy Science (S), three months beginning June 1, 1954, \$6,600 a year, supersedes (7-2-54).
 ALMAR-NAESS, ALMAR, Research Associate in Civil Engineering (S), one year beginning September 1, 1954, \$4,800 (6-15-54).
 ATKINS, CLINTON P., Assistant Professor of Civil Engineering, in the Summer Session of 1954, on three-fourths time, June 18-August 14, 1954, \$955 for the period (6-18-54).
 BALTES, BERNARD, Research Associate in Biological Chemistry, in the College of Medicine, two months beginning June 15, 1954, \$500 a month (6-23-54).
 BEDFORD, MRS. RUTH H., Catalog Assistant in the Library, one year beginning September 1, 1954, \$3,600 (6-28-54).
 BERNSTEIN, HASKELL E., Clinical Instructor in Psychiatry, in the College of Medicine, four months beginning May 1, 1954, without salary (7-2-54).
 BIGGS, NORMAN L., Assistant in Physiology, in the Summer Session of 1954, June 18-August 14, 1954, \$600 for the period (6-18-54).
 BRADLEY, FENNIMORE N., Research Assistant in Ceramic Engineering (S), July 1, 1954-August 31, 1955, \$5,280 a year (6-15-54).
 BRONS, KENNETH A., Assistant in Mathematics, in the Summer Session of 1954, on full time, June 18-August 14, 1954, \$600 for the period, supersedes (6-25-54).
 BROPHY, EDMOND M., Associate Professor of Hygiene, on indefinite tenure, and Medical Adviser and Special Duty Physician in the Health Service, one year beginning September 1, 1954, \$8,200 a year, supersedes (7-6-54).
 BROWN, REX L., Assistant Professor of Theoretical and Applied Mechanics, in the Summer Session of 1954, on five-sixths time, June 18-August 14, 1954, \$1,000 for the period, supersedes (6-25-54).
 BROWNS, HERSCHEL L., Clinical Instructor in Medicine, in the College of Medicine, three months beginning June 1, 1954, without salary (6-15-54).
 BUTLER, LEWIS C., Assistant in Mathematics, in the Summer Session of 1954, June 18-August 14, 1954, \$600 for the period (6-25-54).
 CAMPBELL, JACK J. R., Research Associate in Bacteriology, in the Graduate College, three months beginning June 1, 1954, \$600 a month (7-1-54).
 CASTILLO, FORTUNATO, Assistant in Psychiatry, in the College of Medicine, one year beginning July 1, 1954, without salary (6-18-54).
 CATALDO, MARNE, Clinical Instructor in Medicine, in the College of Medicine, two months beginning July 1, 1954, without salary (6-18-54).
 CHEDSEY, WILLIAM R., Professor of Mining Engineering (C), on indefinite tenure beginning September 1, 1954, to render service during each academic year, \$8,100 a year (6-28-54).

- CHEN, TIEN Y., Associate in Civil Engineering, in the Summer Session of 1954, on one-fourth time, June 18-August 14, 1954, \$234 for the period (6-25-54).
- COLLINS, W. LEIGHTON, Professor of Theoretical and Applied Mechanics, in the Summer Session of 1954, on five-sixths time, June 18-August 14, 1954, \$1,398 for the period, supersedes (6-25-54).
- COMFORT, THOMAS E., Instructor in French, in the Summer Session of 1954, on one-half time, June 18-August 14, 1954, \$445 for the period (6-25-54).
- CORLISS, JOHN O., Assistant Professor of Zoology, two months beginning July 1, 1954, \$5,500 a year; this is in addition to his appointment beginning September 1, 1954 (6-22-54).
- CYGAN, NORBERT E., Assistant in Geology, in the Summer Session of 1954, June 18-August 14, 1954, \$600 for the period (6-18-54).
- DAHLENBURG, LYLE M., Chief Accountant in the Business Office, one year beginning September 1, 1954, \$8,500 (6-30-54).
- DANDENEAU, RICHARD J., Instructor in Business English, for the academic year beginning September 1, 1954, \$4,000 (6-18-54).
- DARBY, JOSEPH B., JR., Research Assistant in Mining and Metallurgical Engineering (C), June 16-September 15, 1954, \$300 a month (6-16-54).
- DOO, VEN YOUNG, Research Assistant in Mining and Metallurgical Engineering (C), June 16-September 15, 1954, \$300 a month (6-16-54).
- DUNBAR, JEAN M., Instructor in Manufacturing Pharmacy, in the College of Pharmacy, three months beginning June 1, 1954, \$375 a month (6-16-54).
- DUNN, DOROTHY F., Assistant Professor of Hygiene, in the Health Service, for the academic year beginning September 1, 1954, \$5,200, supersedes (7-6-54).
- DWYER, WILLIAM B., Clinical Assistant in Medicine, in the College of Medicine, three months beginning June 1, 1954, without salary (6-18-54).
- EBERT, EDWARD D., Assistant Professor of General Engineering, in the Summer Session of 1954, June 18-August 14, 1954, \$1,156 for the period (6-18-54).
- EHART, MARY E., Instructor in Education in the Summer Session of 1954, on one-half time, June 18-August 14, 1954, \$445 for the period (6-18-54).
- ENDLEMAN, ROBERT, Instructor in Social Sciences, in the Chicago Undergraduate Division, for the academic year beginning September 1, 1954, \$4,100 (6-18-54).
- ESTEY, GEORGE F., Assistant in English, nine months beginning September 16, 1954, \$2,700 (6-18-54).
- FISHEL, JEROME H., Research Assistant in the Digital Computer Laboratory, in the Graduate College, June 16-August 31, 1954, \$300 a month, supersedes (6-16-54).
- FISHER, HANS, Research Associate in Animal Science (S), on three-fourths time, September 1, 1954-May 31, 1955, \$2,812.50 and on full time, June 1, 1955-August 31, 1955, \$1,200, total salary of \$4,012.50 (6-23-54).
- FISHMAN, ERWIN, Research Associate in Chemical Engineering, in the Graduate College, one year beginning July 16, 1954, \$5,000 (6-15-54).
- FLYNN, DONALD C., Registered Pharmacist in Hospital Pharmacy, in the College of Pharmacy, one year beginning September 1, 1954, \$4,500 (7-2-54).
- FRANKLIN, MURRAY, Associate Professor of Medicine, in the College of Medicine, on three-fifths time, on indefinite tenure beginning May 1, 1954, \$5,000 a year, supersedes (6-22-54).
- FRIEDERICH, ALLAN G., Assistant Professor of Civil Engineering (S), June 16-September 15, 1954, \$500 a month; this is in addition to his present appointment (6-15-54).
- FRIEDMAN, MARVIN H., Research Associate in Physics (C), June 16, 1954-August 15, 1955, \$6,000 a year (6-15-54).
- FUJIWARA, SHIZUO, Research Associate in Chemistry, in the Graduate College, two months beginning July 1, 1954, \$350 a month (6-15-54).
- GILL, STANLEY J., Research Assistant in Chemistry, in the Graduate College, June 16-July 31, 1954, \$300 a month (6-16-54).
- GODDEN, WILLIAM G., Research Associate in Civil Engineering (S), one year beginning September 1, 1954, \$4,800 (6-28-54).
- GOLUB, GENE H., Research Assistant in the Digital Computer Laboratory, in the Graduate College, June 16-August 31, 1954, \$300 a month, supersedes (6-16-54).
- GREENBERG, BERNARD, Instructor in Zoology, in the College of Pharmacy, for the academic year beginning September 1, 1954, \$4,000 (7-2-54).

- GRUBER, WILHELM F., Research Associate in Bacteriology, in the Graduate College, May 5-August 31, 1954, \$416.67 a month (6-15-54).
- GUTOWSKY, HERBERT S., Assistant Professor of Physical Chemistry, in the Graduate College, June 16-July 31, 1954, \$644.45 a month; this is in addition to his present appointment (6-15-54).
- HAMBRICK, THOMAS G., Instructor in Business English, for the academic year beginning September 1, 1954, \$3,650 (6-18-54).
- HASSAN, HASSAN A., Research Associate in Aeronautical Engineering (C), June 16-September 15, 1954, \$366.67 a month (7-1-54).
- HECK, WALTER W., Research Assistant in the Radiocarbon Laboratory, in the Graduate College, one year beginning September 16, 1954, \$3,600 (7-2-54).
- HECKMANN, IRVIN E. L., JR., Instructor in Management, for the academic year beginning September 1, 1954, \$4,500 (7-2-54).
- HEITMANN, WILLIAM E., Research Assistant in Mining and Metallurgical Engineering (S), June 16-September 15, 1954, \$300 a month (6-16-54).
- HOLLIS, MARY E., Assistant in Library Science, in the Summer Session of 1954, June 18-August 14, 1954, \$700 for the period (6-18-54).
- HUGUENARD, ELEANOR A., Assistant in Home Economics (C), one year beginning September 1, 1954, \$3,800 (6-28-54).
- HUNT, ROWLAND D., Research Assistant in Aeronautical Engineering (C), June 16-September 15, 1954, \$316.67 a month (7-1-54).
- HUNTER, NAOMI W., Instructor in the University Speech Clinic, in the Summer Session of 1954, on one-half time, June 18-August 14, 1954, \$446 for the period, supersedes (6-18-54).
- IACONO, JACK M., Assistant in Animal Science (S), June 14-August 31, 1954, \$275 a month (7-1-54).
- IRBY, HOWARD E., Instructor in the Civil Engineering Summer Camp, in the Summer Session of 1954, June 28-August 21, 1954, \$925 for the period (6-18-54).
- JOHNSON, FRANCES L., Instructor in the University Speech Clinic, in the Summer Session of 1954, on one-half time, June 18-August 14, 1954, \$423 for the period (6-18-54).
- KAISER, ROBERT J., Instructor in Medicine, in the College of Medicine, July 1, 1954-August 31, 1955, \$6,000 a year, supersedes (6-18-54).
- KARANTKAS, ALEXANDER, Instructor in English, in the Chicago Undergraduate Division, for the academic year beginning September 1, 1954, \$4,400 (6-18-54).
- KING, CHARLES, Research Assistant in Chemistry, in the Graduate College, two months beginning July 1, 1954, \$458.33 a month (6-16-54).
- KOSTALEK, MARY, Clinical Assistant Professor of Pediatrics, in the College of Medicine, four months beginning May 1, 1954, without salary (7-2-54).
- KUDLICH, ROBERT A., Research Assistant in the Digital Computer Laboratory, in the Graduate College, two months beginning July 1, 1954, \$400 a month (6-16-54).
- LANSFORD, WALLACE M., Professor of Theoretical and Applied Mechanics, in the Summer Session of 1954, June 18-August 14, 1954, \$1,700 for the period, supersedes (6-25-54).
- LEE, CHENG-LEE, Research Associate in Botany, in the Graduate College, one year beginning July 1, 1954, \$4,200 (6-15-54).
- LEWIS, L. DEAN, Associate Professor of Hygiene, on indefinite tenure, and Medical Adviser in the Health Service, for one year, beginning September 1, 1954, \$8,200 a year, supersedes (7-6-54).
- LOEW, FREDERIC C., Research Assistant in Chemistry, in the Graduate College, June 7-September 6, 1954, \$300 a month (6-16-54).
- LOMONTE, ROSE M., Catalog Assistant in the Library, one year beginning September 1, 1954, \$3,780, supersedes (6-18-54).
- MANNING, JOHN P., Instructor in Veterinary Clinical Medicine, in the College of Veterinary Medicine, July 1, 1954-August 31, 1955, \$4,700 a year (6-18-54).
- MARKLEY, J. GERALD, Instructor in Spanish, for the academic year beginning September 1, 1954, \$4,000 (6-28-54).
- MAXSON, DONALD R., Research Associate in Physics (C), June 1, 1954-January 31, 1955, \$4,800 a year (6-28-54).
- McAULEY, MARY C., Instructor in Home Economics (C), for the academic year beginning September 1, 1954, \$3,800 (7-2-54).

- McCALL, JERRY C., Research Assistant in Physics, in the Graduate College, June 16-August 31, 1954, \$300 a month (6-16-54).
- McCAULEY, HOWARD W., Visiting Lecturer in the Civil Engineering Summer Camp, in the Summer Session of 1954, June 28-August 21, 1954, \$1,000 for the period (6-18-54).
- McCLURE, LESLIE W., Associate Professor of Journalism and Communications, in the Summer Session of 1954, on two-thirds time, June 18-August 14, 1954, \$987 for the period, supersedes (6-25-54).
- MELLODY, MARGARET, Research Assistant in Medicine, in the College of Medicine, June 15, 1954-August 31, 1955, \$3,900 a year (7-7-54).
- MERICA, EDWARD P., Research Assistant in Physics, in the Graduate College, two months beginning June 16, 1954, \$300 a month (6-23-54).
- METTA, VENKATA C., Assistant in Animal Science (S), July 1, 1954-August 31, 1955, \$3,400 a year (7-2-54).
- METZE, GERNOT A., Research Assistant in the Digital Computer Laboratory, in the Graduate College, June 16-August 31, 1954, \$300 a month (6-16-54).
- MILES, RUSSELL H., Professor of Music, in the Summer Session of 1954, on full time, June 18-August 14, 1954, \$1,678 for the period, supersedes (6-25-54).
- MILLBROOK, MAY I., Associate Professor of Hygiene, on indefinite tenure, and Medical Adviser in the Health Service, for one year, beginning September 1, 1954, \$7,200 a year, supersedes (7-6-54).
- MILLER, OSCAR, Instructor in Economics, in the Summer Session of 1954, June 18-August 14, 1954, \$1,000 for the period (7-7-54).
- MINTHORN, MARTIN L., Research Associate in Chemistry, in the Graduate College, May 16-August 15, 1954, \$375 a month (6-16-54).
- MIZELL, SHERWIN, Research Assistant in Physiology, in the Graduate College, June 16-August 15, 1954, \$300 a month (6-16-54).
- MUELLER, HENRY L., Assistant Professor of Speech, in the Summer Session of 1954, June 18-August 14, 1954, \$1,112 for the period (6-17-54).
- MUERLE, JOHN L., Research Assistant in the Digital Computer Laboratory, in the Graduate College, June 16-August 31, 1954, \$300 a month (6-16-54).
- NARROD, STUART A., Assistant in Dairy Science (S), June 1-August 31, 1954, \$3,600 a year (6-28-54).
- NICHOLS, EUGENE D., Instructor in the University High School, on one-fourth time, June 18-August 14, 1954, \$250 for the period (7-6-54).
- OLSON, ALDEN C., Instructor in Economics, for the academic year beginning September 1, 1954, \$4,250 (6-18-54).
- PAGE, DAVID, Instructor in the University High School, June 16-August 15, 1954, \$844 for the period (7-8-54).
- PAGE, ROBERT H., Research Associate in Mechanical Engineering (S), for the academic year beginning September 1, 1954, \$4,400 (7-2-54).
- PETERSON, BEVERLY J., Architecture Library Assistant in the Library, one year beginning September 1, 1954, \$3,600 (6-18-54).
- PLAMENAC, DRAGAN, Visiting Lecturer in Music, for the academic year beginning September 1, 1954, \$7,500 (6-16-54).
- POLIVKA, RAYMOND P., Research Assistant in the Digital Computer Laboratory, in the Graduate College, June 16-August 31, 1954, \$316.66 a month, supersedes (6-16-54).
- POPRICK, MICHAEL G., Registered Pharmacist in Hospital Pharmacy, in the College of Pharmacy, one year beginning September 1, 1954, \$4,500 (7-2-54).
- PUGH, ROBERT C., Counselor in the Student Counseling Bureau, in the Summer Session of 1954, on three-fourths time, June 18-August 14, 1954, \$742 for the period (6-18-54).
- RIGGS, ROBERT E., Research Assistant in the Institute of Government and Public Affairs, and Executive Secretary of the Midwest Seminar on United States Foreign Policy, in the Graduate College, June 16-July 22, 1954, \$500 for the period (6-23-54).
- ROBDELL, MARTIN, Research Associate in Chemistry, in the Graduate College, one year beginning September 1, 1954, \$4,400 (6-17-54).
- RODIN, ROBERT, Assistant Professor of Hygiene, Special Duty Physician and Medical Adviser in the Health Service, one year beginning September 1, 1954, \$8,200, supersedes (7-6-54).

- ROESCH, BERNARD D., Research Assistant in Ceramic Engineering (S), October 1, 1954-August 31, 1955, \$4,800 a year (6-15-54).
- ROGERS, MICHAEL H., Research Associate in Astronomy, in the Graduate College, one year beginning September 1, 1954, \$5,000 (6-18-54).
- RUSSELL, HAL G., Research Assistant in Aeronautical Engineering (C), June 16-September 15, 1954, \$366.67 a month (7-1-54).
- SALVATORE, JOSEPH, Research Assistant in the Control Systems Laboratory (S), August 1, 1954-August 31, 1955, \$5,040 a year (6-15-54).
- SCHEFFY, WILLIAM J., Research Associate in Chemical Engineering (S), one year beginning September 1, 1954, \$5,500 (6-15-54).
- SCHMITT, ROMAN A., Research Associate in Physics (C), one year beginning September 1, 1954, \$5,100 (6-28-54).
- SHLIMOVITZ, HAROLD M., Visiting Lecturer in Music, in the Summer Session of 1954, June 18-July 31, 1954, \$650 for the period (6-25-54).
- SHWAYDER, DAVID S., Instructor in Philosophy, for the academic year beginning September 1, 1954, \$4,000 (6-18-54).
- SIME, JOHN T., Research Assistant in Animal Science (S), two months beginning June 16, 1954, \$275 a month (6-23-54).
- SIRKIS, MURRAY D., Research Assistant in Electrical Engineering (S), four months beginning May 1, 1954, \$5,000 a year (7-2-54).
- SMITH, MARJORIE, Assistant in Geography, in the Summer Session of 1954, June 18-August 14, 1954, \$600 for the period (6-18-54).
- SMITH, VIRGINIA C., Assistant in Physical Education for Women, nine months beginning September 16, 1954, \$3,300 (6-28-54).
- SOLLEY, CHARLES, JR., Research Associate in Psychology, in the Graduate College, June 16-August 31, 1954, \$400 a month, supersedes (6-16-54).
- STERN, MILTON R., Instructor in English, for the academic year beginning September 1, 1954, \$4,000 (6-18-54).
- STEWART, CAROL, Research Assistant in the Control Systems Laboratory (S), July 1, 1954-August 31, 1955, \$4,500 a year (6-15-54).
- STOLPE, STANLEY G., Assistant Professor of Physiology, in the Graduate College, June 16-August 15, 1954, \$555.55 a month; this is in addition to his present appointment (6-15-54).
- SUCHMAN, J. RICHARD, Counselor in the Student Counseling Bureau, in the Summer Session of 1954, on three-fourths time, June 18-August 14, 1954, \$750 for the period, supersedes (6-18-54).
- SWIFT, LEONARD F., Research Associate in Education, one year beginning July 1, 1954, \$6,000 (6-22-54).
- TAUGNER, ROBERT R., Assistant in Art, nine months beginning September 16, 1954, \$2,700 (7-2-54).
- TAYLOR, WILSON, Research Associate in the Institute of Communications Research, June 16-August 31, 1954, \$5,500 a year (6-23-54).
- TEIGLER, HENRY I., Professor of Hygiene, on indefinite tenure, and Medical Adviser in the Health Service, for one year, beginning September 1, 1954, \$8,200 a year, supersedes (7-6-54).
- THURBER, RICHARD M., Instructor in German, in the Summer Session of 1954, on two-thirds time, June 18-August 14, 1954, \$512 for the period (6-25-54).
- UKITA, TYUNOSIN, Research Associate in Chemistry, in the Graduate College, June 11-August 25, 1954, \$360 a month (6-16-54).
- VERKADE, ANDREW, Instructor in Architecture, for the academic year beginning September 1, 1954, \$4,200 (6-23-54).
- VICKLUND, LOUISE T., Registered Pharmacist in Hospital Pharmacy, in the College of Pharmacy, one year beginning September 1, 1954, \$4,500 (6-18-54).
- VON LANKEN, GEORGE D., Assistant in Agricultural Economics (S), July 1, 1954-August 31, 1955, \$4,200 a year (7-2-54).
- WALTERS, CORA E., Research Associate in Physical Medicine and Rehabilitation, in the College of Medicine, July 1, 1954-August 31, 1955, \$4,800 a year (6-18-54).
- WEDDING, NUGENT, Research Associate Professor of Marketing, June 25-August 15, 1954, \$1,512 for the period; this is in addition to his present appointment (6-18-54).
- WILDER, NANCY J., Assistant in Physical Education for Women, nine months beginning September 16, 1954, \$3,280 (6-28-54).

- WILLIAMSON, MARILYN, Commerce and Sociology Library Assistant, one year beginning September 1, 1954, \$3,600 (6-18-54).
- WILSON, RALPH D., Assistant Professor of Management, February 1-August 31, 1954, to render service during the second semester of the academic year, \$5,300 a year, supersedes (6-18-54).
- WOODRUFF, TRUMAN O., Research Associate in Physics (C), one year beginning September 1, 1954, \$5,100 (6-15-54).
- WU, TIEN HSING, Research Assistant in Civil Engineering (S), June 1-September 15, 1954, \$350 a month (6-23-54).
- WYKES, ROBERT, Instructor in Music, on one-half time, for the academic year beginning September 1, 1954, \$2,175 (6-18-54).
- XERIKOS, JAMES, Research Assistant in Aeronautical Engineering (C), June 16-September 15, 1954, \$316.67 a month (7-1-54).
- YANKWICH, PETER E., Assistant Professor of Physical Chemistry, in the Graduate College, one month beginning August 16, 1954, \$666.67; this is in addition to his present appointment (6-15-54).
- YOUNG, PAUL, Professor of Music, in the Summer Session of 1954, June 18-July 24, 1954, \$1,046 for the period, supersedes (6-25-54).
- YU, HWA NIEN, Research Assistant in the Digital Computer Laboratory, in the Graduate College, June 16-August 31, 1954, \$300 a month (6-16-54).
- ZIMMER, HANS, Research Associate in Chemistry, in the Graduate College, two months beginning July 1, 1954, \$500 a month (6-16-54).

FELLOWS

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

- DE CAMP, BENJAMIN C., 1954 Edward L. Ryerson Traveling Fellow in Architecture.
- GILTNER, ROBERT E., 1954 Edward L. Ryerson Traveling Fellow in Landscape Architecture.

GRADUATE FELLOWS

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

- ADE, RALPH D., Lederle Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$600 (6-22-54).
- ARONSON, ALAN R., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- BORKE, MITCHELL L., Fellow in the Chicago Professional Colleges, July 1-August 31, 1954, \$300 (6-10-54).
- COWAN, ROBERT E., Armco Steel Corporation Fellow in Ceramic Engineering, nine months beginning September 16, 1954, \$1,500 (6-17-54).
- CRANDALL, EARL E., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- DICKINSON, PETER H., Fellow in the Chicago Professional Colleges, one year beginning July 1, 1954, \$1,800 (6-10-54).
- ELLIOTT, HAROLD E., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- ELLIS, DAVID T., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- ENGLAND, RODNEY W., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- FEIWELL, EARL W., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- GHOSH, SUNIL K., Fellow in Law, June 18-August 14, 1954, \$225 (6-15-54).
- GOULD, HENRY A., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- HERSMAN, MARION F., Fellow in Chemistry, nine months beginning September 16, 1954, \$1,250 (6-30-54).
- HUNCKE, BRIAN H., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
- HUNSAKER, ANN, Fellow in the Chicago Professional Colleges, one year beginning September 1, 1954, \$1,200 (6-10-54).
- JOHNSTON, GORDON R., Allied Chemical and Dye Corporation (National Aniline Division) Fellow in Chemistry, nine months beginning September 16, 1954, \$1,500 (6-3-54).

- KELIFADES, NICHOLAS, Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
 KRAKOW, GLADYS G., Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$450 (6-10-54).
 McTAGGART, G. DON, Titanium Alloy Manufacturing Company Fellow in Ceramic Engineering, nine months beginning September 16, 1954, \$1,800 (6-17-54).
 MILLS, CHARLES E., Lawrence M. Larson Fellow in History for 1954-55, \$225 (6-30-54).
 OWENS, FREDERICK H., Eli Lilly and Company Fellow in Chemistry, nine months beginning September 16, 1954, \$1,500 (6-15-54).
 QURESHI, AHMAD H., Fellow in English, June 16-August 15, 1954, \$225 (6-18-54).
 ROWE, RICHARD E., Fellow in Chemistry, two months beginning July 1, 1954, \$225 (6-15-54).
 SALEH, MAHMOUD ALI, Booth Fellow in Food Technology, September 16, 1954-January 31, 1955, \$550 (7-8-54).
 SCHWARTZ, MAURICE, Lederle Fellow in the Chicago Professional Colleges, June 20-September 19, 1954, \$600 (6-22-54).
 TENNERY, VICTOR J., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering, nine months beginning September 16, 1954, \$1,300 (6-17-54).
 UETA, MASAYASU, Postdoctoral Fellow in Physics, in the Graduate College, nine months beginning September 16, 1954, \$4,000 (6-16-54).
 WASSMUNDT, FREDERICK W., Standard Oil Foundation Inc. Fellow in Chemistry, nine months beginning September 16, 1954, \$1,500 (6-11-54).

RESIGNATIONS, CANCELLATIONS, AND DECLINATIONS

- AI, DANIEL KUO YI, Fellow in Theoretical and Applied Mechanics—cancellation effective 9-16-54.
 COLLIER, REX M., Associate Professor of Psychology—resignation effective 6-21-54.
 FORREST, EARL A., JR., Bibliographer, with rank of Instructor, in the Library—declination effective 9-1-54.
 HAMILTON, MRS. MIRIAM STEWART, Assistant Professor of Music—resignation effective 9-1-54.
 LAZENBY, FRANCIS D., Assistant Professor of the Classics—resignation effective 9-1-54.
 PAYNE, MAXWELL C., JR., Research Associate in Psychology—declination effective 9-1-54.
 PERLIS, IRWIN B., Research Assistant in Botany—declination effective 7-1-54.
 PRITCHARD, HUGH, Assistant Reference Librarian, with rank of Instructor—declination effective 9-1-54.
 PRUSACZYK, WILLIAM, Instructor in Veterinary Physiology and Pharmacology, in the College of Veterinary Medicine, and in Veterinary Research, in the Agricultural Experiment Station—declination effective 7-1-54.
 RUSSELL, MARY, Visiting Lecturer in Education, in the Summer Session of 1954—declination effective 7-19-54.
 RYSTROM, KENNETH F., JR., Fellow in Political Science—cancellation effective 9-16-54.
 WRIGHT, JOHN C., Assistant in the Student Counseling Bureau—declination effective 9-1-54.
 YORKSTON, DOREEN M., Bibliographer, with rank of Instructor, in the Library—declination effective 9-1-54.

LEAVES OF ABSENCE

- BECKER, LEONARD A., Clinical Instructor in Dermatology, in the College of Medicine—leave of absence without pay beginning June 1 and continuing through December 31, 1954.
 BUTZOW, ROBERT F., Instructor in Veterinary Clinical Medicine—leave of absence without pay for thirty days beginning August 1, 1954, so that he may attend the Washington Park Jockey Club meeting.
 FAUCETT, MAX A., Professor of Electrical Engineering—leave of absence without pay for the year 1954-55, in order that he may complete the special assignment on which he has been working during 1953-54.
 GOTTLIEB, DAVID, Professor of Horticulture—leave of absence without pay from June 23 to July 23, 1954, and with pay from July 24 to August 7, 1954,

- so that he may attend the Eighth International Botanical Congress in Paris, France.
- GRIEST, GUINEVERE, Instructor in English, in the Chicago Undergraduate Division—extension of leave of absence without pay for one year beginning September 1, 1954.
- HENNING, DALE A., Instructor in Management—leave of absence without pay during the academic year 1954-55, so that he may serve as management consultant with a Norwegian Consulting Firm in Oslo.
- JEWETT, ANN E., Assistant Professor of Education and of Physical Education for Women—leave of absence without pay from September 1, 1954, through August 31, 1955, in order that she may accept a Fulbright lecturing award.
- LEE, FRANCIS J., Research Associate in the Bureau of Educational Research—leave of absence with pay from July 4 through July 18, 1954, for military service.
- MCCOY, RALPH E., Librarian in the Institute of Labor and Industrial Relations—leave of absence with pay for two weeks from July 12 through July 23, 1954, for military service.
- MONTGOMERY, ROBERT B., Assistant Professor of Hygiene and Medical Adviser for Men—leave of absence without pay as of September 1, 1954, and continuing until he is able to return to his duties.
- PELKA, FRANCIS X., Instructor in Crowns and Fixed Partial Dentures, in the College of Dentistry—leave of absence without pay beginning July 1, 1954, and continuing through August 31, 1955, for military service.
- RABINOWITCH, EUGENE I., Research Professor of Botany—leave of absence including vacation during the summer of 1954, with pay, in order that he may attend the International Botanical Congress in Paris, France.
- RAPP, MRS. ESTHER, Assistant Professor of English—leave of absence with pay for one-half year beginning September 1, 1954, on account of disability.
- RAZIM, EDWARD A., Assistant in Otolaryngology, in the College of Medicine—leave of absence without pay, May 1 through August 31, 1954, for military service.
- REED, CHARLES A., Assistant Professor of Zoology—leave of absence without pay for one year beginning September 1, 1954, to accompany an archeological expedition of Oriental Institute of Chicago to the Near East.
- SCOTT, HAROLD W., Professor of Geology—leave of absence without pay from September 1, 1954, through August 31, 1955, for world-wide travel and geological study.
- TAGLIACOZZA, RENATA, Research Assistant in Psychiatry, in the College of Medicine—leave of absence without pay, beginning August 15, 1954, and continuing through October 31, 1954.
- WILL, FREDERICK L., Associate Professor of Philosophy—leave of absence without pay from March 1, 1955, through August 31, 1955, so that he may accept a visiting professorship at Cornell University.

SEPTEMBER MEETING

By unanimous consent, the next meeting of the Board of Trustees was scheduled for 10:30 a.m., Monday, September 27, 1954, to be held at the Blackstone Hotel, Chicago, Illinois.

INVITATION FROM THE PRESIDENT OF THE MUSEUM OF SCIENCE AND INDUSTRY

Major Lenox R. Lohr, President of the Museum of Sciences and Industry and Chairman of the University of Illinois Citizens Committee, has invited the Board of Trustees to hold one of its meetings at the Museum some time during the coming academic year.

The President and Secretary of the Board were authorized to arrange for such a meeting at some convenient time and the Secretary was instructed to express to Major Lohr the Board's appreciation of his invitation.

The Board recessed.

At 2:00 p.m., the Board reconvened for a joint session with its Committee on the Selection of a President of the University and with representatives of auxiliary committees of the University Senate, the Alumni Association, and the Citizens Committee.

The same members of the Board were present as recorded at the beginning of these minutes.

Also present were Professors Tom S. Hamilton, Chairman, Charles M. Kneier, and Charles A. Knudson, representing the University Senate Committee; Messrs. Amos H. Watts, Chairman, Joseph B. Campbell, and Mr. James M. Cleary, representing the Alumni Association Committee; Mr. Ronald M. Kimball, representing the Citizens Committee; and the Secretary of the Board.

President Megran reviewed the work of the Board of Trustees Committee and then called upon representatives of the auxiliary committees for reports. At the conclusion of these presentations, and following discussions of candidates for the Presidency of the University, representatives of the auxiliary committees withdrew. The Board then continued discussion of the recommendations of the several committees and at the conclusion of this discussion, President Megran announced that he was discharging the special Committee of the Board of Trustees, stating that henceforth any further recommendations considering candidates for the Presidency of the University, and matters relating thereto, would be brought before the full Board as a Committee of the Whole.

On motion of Mr. Bissell, the Board adjourned.

A. J. JANATA
Secretary

H. B. MEGRAN
President

APPENDIX

PROPOSALS FOR THE FUTURE DEVELOPMENT OF THE CHICAGO UNDERGRADUATE DIVISION OF THE UNIVERSITY OF ILLINOIS

A Report to President Lloyd Morey by the
Committee on Future Development of the
Chicago Undergraduate Division¹

June, 1954

Preface

The Committee on Future Development of the Chicago Undergraduate Division was appointed by the President on November 4, 1953. The broad task assigned to the Committee is best stated in a quotation from the appointment letter:

"I ask this Committee to study all problems involved in the development of a four-year undergraduate program in the Chicago area. Of first importance is to endeavor to determine whether such a development appears necessary to reasonably carry out the obligation of the State and the University of Illinois to the youth and citizens of the State. If the answer to that question is in the affirmative, then the Committee should prepare recommendations on policy, and on specific plans concerning the curricular, physical facility, and financial problems involved."

In this letter, the President also called attention to the fact that the General Assembly, in May 1953, had created a commission "to act for liaison purposes between the General Assembly and the University of Illinois in dealing with problems relative to the establishment of a four-year undergraduate college of the University of Illinois in the Chicago area."

The President asked for an interim report by the end of March and for a final report by the end of June. An interim report was made on March 31, 1954. Some of that report is incorporated into this final report.

I. Introduction

A. *Basic Questions*

The President's charge involves a number of questions to which the Committee has sought answers. While there are many details, the three basic questions are:

1. Will the predicted increases in population over the next twenty-year period require that the State and the University of Illinois act to provide for increases in college enrollments?
2. If additional facilities for increased enrollments are required, should a four-year undergraduate division in the Chicago area be established, or should another possibly more desirable plan be selected?
3. If a four-year undergraduate division is to be established in the Chicago area, what should be the size, what will be the approximate cost, and what should be the schedule of development?

In order to answer the first question, it has been necessary to study statistics and trends concerning births and population in the State of Illinois during the next two decades.

B. *Population Trends in Illinois*

According to actual births to 1953 and based on an assumption that a comparable per cent of students will attend college in the State of Illinois as do now, the public and private institutions of higher learning in the State must be prepared to enroll approximately 156,000 students in 1963 compared to 114,000 in 1953; the University of Illinois must be prepared to enroll 27,000 compared to 19,600 at the present. *In 1972, the State institutions of higher learning must be prepared to take care of approximately 223,000 and this University 38,000.*

¹ Committee on Future Development: C. M. Louttit, Chairman, R. G. Bone, R. P. Hackett, C. S. Havens, N. A. Parker.

This estimate is based on the assumption that all public and private institutions will take their proportionate share of the increase in enrollment.

To show this in more detail, Table 1 presents data supplied by the Bureau of Institutional Research of the University of Illinois showing the estimates of the size of population of youth of college age in the State of Illinois for alternate years from 1953-54 to 1971-72. These numbers are based on actual births occurring through August 1953, with births for the remainder of that calendar year being estimated. In succeeding columns of this Table, the proportion of the college age group which can be expected to attend institutions of higher learning and which can be expected to attend the University of Illinois is shown. In simplest statement, the data indicate that in the next twenty-year period it is anticipated that the number of young people seeking admission to institutions of higher education, including the University of Illinois, will be approximately doubled. The Committee considers these data basic in any consideration of planning for future expansion of the University.

Table 1

Estimated Increase in College Age Population and College Enrollments in Illinois, 1953 to 1971^a

Year	Population No. of Youth of College Age	All Higher Educational Institutions	Regular Session Enrollments University of Illinois ^b		
			Urbana- Champaign	Navy Pier	Total
1953-54	463,700	114,000 ^c	15,797 ^d	3,825 ^d	19,622 ^d
1955-56	483,200	117,800	16,500	4,000	20,500
1957-58	501,000	124,200	17,300	4,200	21,500
1959-60	532,300	134,600	18,600	4,500	23,100
1961-62	602,000	156,300	21,600	5,250	26,850
1963-64	620,900	163,600	22,800	5,525	28,325
1965-66	664,600	180,100	25,100	6,000	31,100
1967-68	738,200	203,900	27,700	6,700	34,400
1969-70	747,700	209,900	28,000	6,800	34,800
1971-72	781,900	223,100	30,800	7,500	38,300

(^a) Estimates are based on actual occurrence births through August 1953, and projection for the balance of this calendar year.

(^b) Assumes continuation of a two-year division of the University at Navy Pier.

(^c) The approximate percentage distribution of this 1953-54 enrollment by class of institution is: Six major private institutions in Chicago, 33; all other private institutions in the State, 28; public State colleges (including Chicago Teachers College), 11; junior colleges, 9; University of Illinois, 19.

(^d) Actual enrollment.

NOTE: Data for the University of Illinois are the number of persons who can be expected to seek enrollment in the University if (1) the proportion of college age youth going to college conforms to the trend of the past several decades, (2) there are no major changes in the requirements for admission to the University, and (3) a similar proportion of the estimated number of youth of college age seeks admission to the University at the two campuses as at the present time.

Although the Committee's primary concern is with the University of Illinois, it feels that it is necessary to call attention to the significance of these data for all higher educational institutions in the State. While no one can know events which may occur, it would appear that the safest expectancy is that both public and private institutions will be faced during the next twenty years with a continual increase in the number of students seeking admission. Not only will the number of youth of high school and college age double, but also it is the hope of many public-spirited citizens that something can be done to provide financial aid to superior high school graduates, so that they may all have the opportunity of attending college. Numerous studies, made during the past decade, show that two-fifths of the top quartile students who graduate from

high school do not enter college. A large proportion of this group cannot attend college because of personal financial limitations. In the thinking of many, this sort of limitation results in an economic and social loss because of inadequate use of potentially trainable manpower. The results of educational benefits under the G.I. Bill show what can be done for this sizeable group of able students. This problem is one in which citizens and public officials must join with public and private educational institutions in planning for the future.

C. *Proposals for Meeting Increasing Enrollments*

Assuming that the pattern of college attendance will not be modified by material changes in social and economic conditions, there should be public planning now for the higher education of high school graduates who will almost double by 1971. One assumption which should be made is that all institutions of higher learning, private and public, will meet their share of the doubled enrollment. Our Committee believes that our study of the assignment forces us to call to the attention of interested and responsible authorities the gigantic problem of planning necessary on a State rather than on an institutional level. *Our Committee feels that State-wide studies of educational philosophies, policies, and facilities must be made now if the State is to plan wisely for the future education of its youth.*

Although the Committee is cognizant that there are many possible solutions to this problem, it would like to refer to seven proposals worthy of consideration, singly or in combination, in connection with public institutions. The order of the listing of these has no priority significance.

1. The first proposal is the restriction of enrollment in degree-granting public institutions on the basis of ability demonstrated by high school achievement and/or admission examinations. Statistics show that less than 40 per cent of those who matriculate in college ultimately graduate. Perhaps an appreciable portion of enrollment in post-high school education should be channeled into junior colleges and technical and vocational institutes. Any such action would be a change from the long-established public policy of the State of Illinois, which has provided the major portion of high school graduates with the opportunity of entering State colleges and universities. This policy could well be re-examined, but this must be done on a State rather than in institutional level.

It should be pointed out that this Committee is neither advocating the adoption of admission restrictions nor condemning such an adoption but is pointing out that such a problem should be thoroughly studied.

2. The State might establish entirely new institutions in different parts of the State.
3. The State might plan for increased capital investment for the enlargement of, and increased budgets for the operation of, Southern Illinois University and the four State teachers colleges to bring about a disproportionately greater increase in their size as compared with the University of Illinois.
4. The State might provide direct financial support to community junior colleges which could absorb a substantial proportion of the freshman-sophomore enrollment.

The Committee has considered, but not studied, Proposals 2, 3, and 4 because they, like Proposal 1, should be dealt with on a State-wide basis.

The following three proposals are actions which could be taken by the University of Illinois with State support.

5. The University might develop its Chicago Undergraduate Division to four years.
6. The University might increase its plant and facilities to take care of an unlimited increase in size on the Champaign-Urbana campus.
7. The University might establish, or cooperatively support, junior colleges throughout the State.

The last three proposals have been considered by the Committee. Proposal 5, concerning the four-year undergraduate division in the Chicago area, will take up the main part of this report. Proposal 6, concerning the possibility of

preparing for a doubling of enrollment on the Champaign-Urbana campus, was referred by President Morey to the University Building Program Committee and the Senate Committee on Educational Policy for their study and recommendations.

Proposal 7, concerning a system of junior colleges under the direction of the University of Illinois, was referred to a subcommittee under the chairmanship of Dean B. L. Dodds of the College of Education. The following three statements from the conclusions of the subcommittee's report are pertinent here:

1. The potentialities of development of junior colleges to an extent which would have a significant effect upon the predicted enrollments in the institutions of higher education are sufficiently promising to warrant this alternative being recommended for serious consideration by the proposed State commission.
2. The subcommittee seriously questions the desirability of the University's attempting to establish, support, and operate junior colleges throughout the State (except perhaps as an emergency measure or under very special conditions) for both practical reasons and reasons of policy.
3. The subcommittee is of the opinion that the University should cooperate closely in any State study of the development of junior colleges but should not undertake any comprehensive study on unilateral basis.

In discussing proposals for meeting increasing enrollments, it would be remiss on the part of our Committee not to warn those interested in future educational planning of the present lack of teachers. Colleges today are not turning out enough teachers for elementary and secondary schools to meet the present demands. Yet, it will be necessary during the next two decades to increase greatly the number of teachers from kindergarten through college. Seeking ways and means to increase the number of students in teacher-trainee curricula and, at the same time, keeping the quality on a high level are vital questions which also should be studied by a State-wide group.

D. Recommendations Made in an Interim Report, Dated March 31, 1954

The main problem facing the State is: "Can the post-high school students be taken care of by 1970?" Whether it is by junior colleges, technical and vocational institutes, or other methods, there still will need to be increased physical facilities. While it is recognized that private and public institutions of higher learning can satisfactorily accommodate a good many more students than they do now, their present facilities probably will fall short of those needed for the anticipated increase. In any case, the State institutions will need to prepare for their proportionate share.

To study these proposals or possibilities, this Committee, on Page 9 of its interim report, recommended that:

1. The University of Illinois should recommend that the Governor appoint immediately a special commission to:
 - a. Study the long-range problems of meeting the higher educational needs for an increased population by additional facilities or other measures.
 - b. Work cooperatively in such a study with representatives of existing institutions of higher education in the State.
 - c. Recommend a program for financing such additional construction as may be needed.
 - d. Submit a report by March 1, 1955.

Our Committee, feeling that the University must concurrently plan for its part in the future, further recommended that:

2. The University should give immediate consideration to construction on the Champaign-Urbana campus to correct existing crowded conditions.
3. The University should plan for permanent plant capacity increases which will be required for the maximum enrollment to be established for the Champaign-Urbana campus.

Our Committee believes that the above studies and planning are essential and should be carried on concurrently with any study made concerning a four-year division of the University of Illinois in the Chicago area. *While we*

recognize that there are many arguments for and against the development of a four-year undergraduate division in the Chicago area, we believe that this is one of the practical solutions in planning for the University of Illinois' share of an anticipated doubling of its enrollment. Consequently, the remainder of this report will discuss a four-year division under the headings of (1) Reasons for a Four-year Undergraduate Division in the Chicago Area, (2) The 1971 Enrollment of a Chicago Undergraduate Division, (3) The Educational Program for a Chicago Undergraduate Division, and (4) Facilities and Costs.

II. Reasons for a Four-Year Undergraduate Division in the Chicago Area

A. Socio-economic Reasons

The most frequently presented arguments for the establishment of a four-year undergraduate division in Chicago or for the increase of work offered at Navy Pier to include the junior and senior years are based on human values. While there are a number of variations in these arguments, they can be grouped into two major categories. First, it is held that a large proportion of present students attending the University at Navy Pier come from poor families, and if it were not for the Chicago Undergraduate Division, they would be unable to attend college. Secondly, it is claimed that work beyond the sophomore year should be introduced because, with only the freshman and sophomore years being offered, many students are unable to continue their education because of limited financial resources. With the cooperation of other agencies, this Committee has made studies of these factors.

Economic Status of Students. At the request of the Committee, Dean Caveny appointed a group at Navy Pier under the chairmanship of Dean Warren Brown to investigate questions of costs to students in attendance there. A report from this group provided data on the student's estimates of family income which are shown in the second column of Table 2. In the first column, a similar distribution of family income reported in "A Study of Expenses of Undergraduate Students at the University of Illinois for the Year 1952-53," issued by the office of the Dean of Men at Champaign-Urbana, is presented. The median family incomes shown in Table 2, computed in each case from the distributions, suggest that, as a group, students at Navy Pier are from an economic level only slightly below that at Champaign-Urbana. However, at Navy Pier, there are a considerably greater proportion from the "under \$5,000" group and fewer from the "\$20,000 or more" than on the main campus.

A further source of information concerning the economic status of students at Navy Pier is available in the "First Report on Site Selection Criteria for University of Illinois," prepared by the Real Estate Research Corporation. In Table 3 adapted from that report, the 74 (Loop area excluded) community areas in the City of Chicago are divided into five groups, each having approximately the same population of youth of college age. Indicated in the Table are the number of community areas in each group, the range of median family income, the number of students registered from these areas at Navy Pier, and the percentage of enrollment from each area of those students having addresses within the City of Chicago. It is evident from these data that over half of the students have resident addresses in community areas where the median family incomes are approximately \$5,000 or more.

Table 2
*Distribution of Family Income as Estimated by University of
Illinois Undergraduate Students*

<i>Annual Income</i>	<i>Urbana</i>	<i>Navy Pier</i>
	<i>1952-53</i> <i>Per Cent</i>	<i>1953-54</i> <i>Per Cent</i>
Under \$5,000	30.5	44.4
\$5,000-\$9,999	46.0	43.7
\$10,000-\$19,999	18.5	10.4
\$20,000 or more	5.0	1.5*
Computed median	\$5,974	\$5,280

* No income over \$20,000 reported.

Table 3

*Student Enrollment, 1953-54, at University of Illinois (Navy Pier),
by Groups of Community Areas in Chicago*

<i>Community Area Groupings</i>			
<i>Number of Community Areas in Group</i>	<i>Range of Median Family Income 1949</i>	<i>1953-54 Enrollment Number</i>	<i>Enrollment Percentage</i>
20	\$4,466-\$6,946	853	28.3
20	\$4,216-\$4,463	737	24.5
14	\$3,843-\$4,210	611	20.2
9	\$3,473-\$3,799	560	18.5
11	\$2,168-\$3,442	255	8.5
74*		3,016	100.0

* Data for Community Area 32 (the Loop) excluded.

The evidence from these two studies would appear to support a statement that, while there is a somewhat greater proportion of students at Navy Pier from lower income families, the economic status of the student body, as a whole, on the two campuses of the University is nearly the same. *At any rate, the Committee believes that the difference in economic status as shown by family income is not sufficiently great in itself to warrant its being used as a major reason for the development of a four-year undergraduate division in Chicago.*

Academic History of Students. In order to discover the academic history of students who register at Navy Pier, the Bureau of Institutional Research had instituted a study before the establishment of this Committee, and the Bureau's data was made available to the Committee. Table 4 presents a summary of the data as of the second semester of 1953-54 for the 1,236 new freshmen who enrolled at Navy Pier in the fall of 1950. Of this total group, 839 students left before completing two years of work, and 464 transferred to another university or to the main University campus either before or after completing their sophomore year at Navy Pier. From the total group, there were only 60 students who completed two years and did not continue in college. Reasons for not continuing in college are not available, but if we assume that all of them failed to do so because of financial circumstances and add thereto the 30 who gave finances as the reason for withdrawing within the first two years, we find only 90 students, or only 7.3 per cent, who were forced to stop their education because of limited finances.

Further evidence concerning plans of students after they complete two years at Navy Pier is available in the report from Dean Brown's committee earlier referred to. In this study, the students were asked to indicate answers to the question: "What do you plan to do when you leave the Pier?" Seventy-six per cent of the respondents gave their plans as continuing attendance at college; 46.5 per cent mentioned the Champaign-Urbana campus only.

The data presented in the preceding paragraphs give little support to arguments that the student body at Navy Pier comes from a lower socio-economic group than does that at Champaign-Urbana, or that there is a very large number of students prohibited from continuing in college because junior and senior work is not offered. It is true, as shown in data from Dean Brown's committee, that the average cost reported by students for the first semester 1943-54 was only \$259, or \$518 when extended for a full year. On the Champaign-Urbana campus, a report from the Dean of Men's office earlier referred to indicates that the average cost for students living in cooperative housing in Champaign-Urbana is approximately \$875 per year. For students living in fraternities or dormitories, the cost at Champaign-Urbana was from \$200 to \$300 greater per year. From information available to the Committee, it also appears that many students at Navy Pier work to make part of their expenses, and they earn more on the average than do students at Urbana. *These data can be interpreted that students at the Chicago Undergraduate Division are able to attend the University of Illinois at a lower net cost than students from essentially the same socio-economic groups attending the University at Champaign-Urbana. Although the opportunity to attend the University at a low net cost is understandably desired by Navy Pier students and their parents, the Committee does not believe that this is an urgent reason for immediate introduction of junior*

Table 4
Academic Survival at the Chicago Undergraduate Division

	Number	Per Cent
All New Freshmen Entering in the Fall of 1950.....	1,236	100.0
Number Withdrawing <i>Before Completing</i> 2 Years at C.U.D., and Not Transferring to Another School.....	692	56.0
<i>Reasons:</i>		
Scholastic.....	376	
Reason Not Known.....	72	
Personal.....	68	
Military Service.....	51	
Planned Schooling Completed.....	34	
Financial.....	30	
Health.....	23	
Educational Needs Not Met.....	20	
Disciplinary.....	11	
Moved Away.....	7	
	692	
Number Withdrawing <i>Before Completing</i> 2 Years at C.U.D., but Transferring to Other Schools.....	147	11.9
<i>Transferring to:</i>		
Another School in Chicago Area....	59	
Urbana.....	55	
Out-of-State.....	25	
Another Illinois School, not U. of I., and Outside the Chicago Area....	5	
Professional Campus.....	3	
	147	
Total Withdrawals <i>Before Completing</i> 2 Years of Work..	839	67.9
Number <i>Completing</i> 2 Years at C.U.D., then Transferring to Another School.....	317	25.6
<i>Transferring to:</i>		
Urbana.....	203	
Another School in Chicago Area....	76	
Professional Campus.....	23	
Out-of-State.....	11	
Another Illinois School, not U. of I., and Outside the Chicago Area....	4	
	317	
Number <i>Completing</i> 2 Years at C.U.D., but Not Transferring to Another School.....	80	6.5
No Record of Further Schooling.....	60	
Military Service.....	20	
	80	

and senior work. Especially this is true when a very small proportion of qualified students fail to continue advanced college work elsewhere.

B. Population Reasons

The main reason for developing a four-year undergraduate division in the Chicago area is that approximately 53 per cent of the 8,000,000 inhabitants of the State of Illinois reside in Cook County. Paralleling these figures is the residence distribution of the students at the University of Illinois. Approximately one-half of all students enrolled on the three campuses of the University reside in Cook County; on the Champaign-Urbana campus alone, the registrants from Cook County have been in the neighborhood of one-third for some years.

With the concentration of population in Cook County, the question might well be asked: "Can the present colleges in Cook County take care of the expected increase?" The 1953-54 undergraduate enrollment in the six major colleges in the Chicago area was 15,295, divided as shown in Table 5. On April

5, 1954, the presidents of these institutions addressed a letter to President Morey in which they proposed the figures in the last column of Table 5 as the possible future enrollments which they would be prepared to care for. Attention should be called to the fact that the first two institutions—Chicago and Northwestern—draw their student body from the nation, as a whole, rather than from the Chicago area alone. These data indicate that the six institutions in Chicago believe that they can care for 1,910 students more than twice their present enrollment. This excess is not great enough to affect in any serious way anticipated need for facilities for the University of Illinois in 1970. *In the light of these data, the Committee believes that the development of a four-year undergraduate division from the present two-year undergraduate division in Chicago will not adversely affect the six private institutions.*

To date, the highest enrollment in the two-year undergraduate division at Navy Pier was 4,547 in 1947. It is felt that there is a possibility, with more exact scheduling, of accommodating up to 5,000 students at Navy Pier; this would mean crowding. Certainly the facilities could not adequately serve a greater number of students. The enrollment at Navy Pier in the fall of 1953-54 was 3,824; the most conservative prediction for 1954-55 is about 4,000. Enrollments of freshmen and sophomores only will, within a few years, increase to fill the available capacity. If junior and senior work were introduced at Navy Pier, the maximum capacity would be reached within a year or two, and as a result, there would have to be a limitation on admission of freshmen or the advanced work would have to be stopped. Inasmuch as a program for the first two years serves more students than would advanced work, it appears unwise to curtail service to the greater number by hurriedly introducing limited work in the junior and senior years.

Table 5
Undergraduate Enrollments at Six Universities in Chicago

	Enrollment	
	1953-54	Future possible
University of Chicago.....	1,612	6,000
Northwestern University.....	5,402	7,400
DePaul University.....	2,500	5,600
Illinois Institute of Technology.....	1,649	3,500
Loyola University.....	2,132	6,000
Roosevelt College.....	2,000	4,000
Totals.....	15,295	32,500

C. Summary

Until University-owned facilities are available, the present two-year program in Chicago should be continued. To develop advanced work in the present facilities on Navy Pier will certainly mean that freshman admission will have to be limited within a very few years. The Committee considers it unwise to provide junior and senior courses for a small number of advanced students at the expense of service to a larger number of freshmen and sophomores.

The evidence on economic status, costs, and academic history of students now attending the Chicago Undergraduate Division at Navy Pier does not in itself indicate an urgent need for expansion to a four-year program within the next few years. However, the impending increase in demand for admission to the University and the fact that half of the students and half of the population of the State live in the Chicago area are the strongest arguments that the undergraduate division should be developed into a four-year program.

III. The 1971 Enrollment of a Chicago Undergraduate Division

The prediction of an exact enrollment for a Chicago undergraduate division at any date in the future is impossible although the prediction for the combined enrollments at Champaign-Urbana and at the Chicago Undergraduate Division for 1971-72 of about 38,000 is justified by the data in Table 1.

The introduction of a full four-year program in Chicago would necessarily change the proportion of students attending the University on the two campuses. There are many ways in which the total number of students could be divided,

but two seem to be most reasonable. The first assumes that the enrollment on the Champaign-Urbana campus would be limited to perhaps the figure of 20,000, which has been used for several years for campus planning. In this case, the remaining 18,000 students could be expected to attend the Chicago campus. This alternative might require certain restrictions on enrollment based on the students' home residences.

The second alternative is to predict enrollments on the basis of the present enrollments on the two campuses, with adjustments for additional work in Chicago. On the Champaign-Urbana campus, 55 per cent of undergraduate students are in the freshman and sophomore years, with 45 per cent being in the two upper-class years. If we assume that the same proportions would hold in a four-year Chicago undergraduate division, we can calculate an expected enrollment in 1971-72. For a two-year program, the estimated enrollment at this end date is approximately 7,500 which, in terms of the above proportions, would mean a total enrollment of 13,600. In 1953-54, more than a third of the undergraduate students in the University were from Cook County. Assuming the same proportion to hold in 1971-72, there would be about 13,000-14,000 such students, which is a close approximation to the immediately preceding estimate. This number in Chicago would require that the balance of the 38,000, i.e., 24,000-25,000, would enroll at Champaign-Urbana unless they were taken care of somewhere else.

As a conservative estimate between these alternatives, the Committee is agreed that a figure of 15,000 regular daytime students in the Chicago Undergraduate Division in 1971-72 is justified at this time for planning purposes.

It must be made clear that an enrollment of 15,000 is for a date nearly twenty years in the future. This would be reached by a continuing increase during the intervening years, so that the development of an undergraduate division should be progressive and the planning provide for facilities to meet the enrollment increases as they arise.

IV. The Educational Program for a Chicago Undergraduate Division

An ultimate enrollment of 15,000 students for a Chicago undergraduate division as discussed in the preceding section represents an institution comparable in size to that now on the Champaign-Urbana campus. While it is fully recognized that over a twenty-year period different areas of interest in an educational institution may wax and wane, it seems most reasonable to assume for planning purposes that the major areas of undergraduate work now existing at Champaign-Urbana should be represented in Chicago. This Committee, with the cooperation of the deans of the several colleges, has made analyses of course offerings and has reached a decision that our purposes are best served by proposing an educational program in broad outline rather than in minute detail.

The basic decision concerning the educational program is that there should be offered introductory and basic prerequisite courses plus a sufficient variety of advanced courses to enable a student to secure a sound major in fulfilling requirements for a bachelor's degree. This Committee makes no recommendation for specific courses to be included because the program at Champaign-Urbana affords ample courses from which to select those basically necessary, and future developments must be fashioned from the interests and specialties of the faculty and students who will attend a Chicago undergraduate division.

For planning purposes at this time, the Committee has proposed to the University Senate Committee on Educational Policy, from which it has received no adverse comment, that work in the following colleges, departments, or areas of study now existing at Champaign-Urbana should be offered in Chicago:

College of Liberal Arts and Sciences

Bacteriology (certain elementary courses may be given but probably not a program for an undergraduate major); Botany; Chemistry and Chemical Engineering; Classics; English and Rhetoric; French and Russian; General Studies; Geography; Geology; German; History; Home Economics (probably limited to a nonprofessional major in L.A.S.); Mathematics; Philosophy; Political Science; Psychology; Sociology (elementary courses in Anthropology might be included but probably not

advanced work for a major); Spanish, Italian, Portuguese; Speech; Zoology (elementary work in Physiology might be given in the Zoology Department).

College of Engineering

Aeronautical, Civil, Electrical, General, Industrial, Mechanical, Metallurgical, and Sanitary Engineering; Mechanics; Physics.

College of Commerce and Business Administration

Accountancy; Business Education; Business Law; Economics; Management; Marketing.

College of Fine and Applied Arts

Art (probably limited to nonprofessional courses); Architecture; Music (probably limited to nonprofessional courses).

College of Education

Elementary Education; Special Education; All programs for teacher training now administered by the Council on Teacher Education.

Professional work of the School of Physical Education and the School of Journalism may well be considered at a future date. The service courses in Physical Education, required courses given by the Department of Hygiene, and required courses in Military Science would, of course, be offered.

There are four major colleges omitted from the above list. These omissions were made for the following reasons:

1. The Graduate College is omitted because, by definition, we are planning only for an undergraduate division. The Committee is aware that, at some future date as an undergraduate division grows in size, there will be increasing pressure for starting graduate work. It feels that this pressure should be met at that time rather than to undertake planning for it at the present.
2. The College of Agriculture and the College of Veterinary Medicine have been omitted because it does not appear reasonable to introduce work in these areas in a metropolitan university.
3. The College of Law is omitted because planned development on the Champaign-Urbana campus will provide adequate capacity for a considerable increase in enrollment, and at the same time, there are a number of reputable schools of law now in the Chicago area.

The preceding proposals are made in terms of a full development planned for the early 1970's. The Committee is well aware of the interests of the staff of the present Chicago Undergraduate Division in increasing their present programs, viz., Liberal Arts and Sciences, Engineering, Commerce and Business Administration, Architecture, and Physical Education to a full four years. We believe that the development of these programs might well be the first step in the expansion to a full four-year campus. At the same time, we do not believe that such expansion should be started until permanent facilities owned by the University are available because, as we have earlier indicated, the presently leased facilities on Navy Pier are not adequate to meet both the anticipated increase in lower class enrollments and also the introduction of advanced work.

V. Facilities and Costs

A. Site Selection

In order to estimate land acquisition and building construction costs for the educational program recommended above and for approximately 15,000 students, it is first necessary to decide what type of site is to be used.

Land acreage, acquisition, and site development costs will vary materially from one site to another. For example, sufficient vacant land or "made land" at a relatively low cost per square foot would permit construction of lower buildings. Such a site should provide a minimum of 140 acres for the program considered for planning purposes in this report. Additional land, bringing the total to approximately 200 acres, should be available for expansion.

In contrast to this type of institution would be one resulting from the selection of a site in the business area. Such a site would necessitate a much

smaller area, perhaps as little as 50 acres. Such an area would require the construction of high rise buildings.

A third type of site, such as that adjacent to the Congress Street Expressway and north of the Medical Center District, would provide at least 80 acres of land which would require the construction of intermediate height buildings. The unit land cost in this site would probably be greater than the first but less than the second above.

In considering a site for an institution to serve a large metropolitan area, three questions are of primary importance. Two of these concern the availability of the site to the anticipated student body. First, from what parts of the Chicago area will most of the students be drawn? Second, how much time will students be willing to spend traveling to and from school? The third question asks: Is sufficient land available, how soon can it be made available, and what will it cost?

Answers to the first two of these questions were sought by studying the trends of geographic shifts in the Chicago area population and by surveying the travel problems of students now enrolled at the Navy Pier campus.

The first of these studies analyzed the population trends in the Chicago area and projected the geographical distribution of population for the period 1963-70. The data indicate that:

1. For this period, approximately nine out of 10 students who might attend the University in the Chicago area would have a home address in Cook County; six out of nine would live inside the present Chicago city limits.
2. No site which can be selected will be convenient for this entire student potential. If a site is selected which is convenient for users of CTA transportation, Chicago residents will probably represent more than 60 per cent of the total student body; if a site more convenient for DuPage County residents is selected, their percentage of actual enrollment will be higher and that of Chicago students lower.

The second study, a survey conducted among students currently attending the Chicago Undergraduate Division, was to determine travel time, travel expense, and mode of transportation used between residence and Navy Pier. This survey indicates that:

1. The actual one-way travel time reported by students who came by means other than private automobiles varied from less than 10 minutes to almost two hours. Among the group who lived in Chicago, over 80 per cent reported travel time as 60 minutes or less; this figure dropped to about 30 per cent for suburban residents using other than private automobiles.
2. Over 70 per cent of the students depend at least partially on some mode of transportation other than private automobiles.
3. With respect to travel expense, 95 per cent of Chicago residents using other than private automobiles had an expense for a one-way fare of 25 cents or less; most of these were CTA riders whose costs were uniformly 20 cents. Among the suburban residents using public transportation, 35 cents represented the median cost for a one-way trip; this median jumped to 50 cents for the same group when those who use CTA facilities at a cost of 20 cents per trip were excluded.

An answer to the third question, which concerns the availability and cost of land, depends upon a number of factors, such as the nature of the educational program, the size of the student body, availability of the site to students, problems of land clearance, acceptance by the community, and so on. As guides to site evaluation, 16 criteria were formulated with the assistance of the Real Estate Research Corporation and the Chicago Plan Commission. Five criteria were considered minimal standards which any site would have to meet in order to permit the proposed Chicago Undergraduate Division to perform its function satisfactorily. In brief, these five criteria are:

1. Site to be within 10 miles of at least 40 per cent of the total estimated student potential in Cook, Lake, and DuPage Counties. Superior public transportation required.
2. Adequate land for construction available.
3. Adequate land for expansion available.

4. Site at least 50 per cent buildable by July 1959.
5. Acquisition should not distort seriously the "priority program" of the Chicago Plan Commission.

The 11 additional criteria as briefly listed below were used to differentiate the value of sites which met the five basic criteria:

1. Availability of existing facilities, such as auditorium, stadium, and employment opportunities for students.
2. Environmental factors.
3. Impressive and functional development possible.
4. Relative plant operating costs.
5. Acquisition cost.
6. Site development costs.
7. Public relations factors.
8. Effect on economic and tax base of Chicago.
9. Major public expenditures required.
10. Use of redevelopment funds required.
11. Effect on other programs for the improvement of the Chicago area.

While in the Chicago area, there is an unlimited number of sites which could be evaluated against these criteria, practically the number is limited. In the first paragraphs of this section, it was pointed out that the location of a site would determine the type of construction among low, medium, and high rise buildings. This Committee, working with the Real Estate Research Corporation and the Chicago Plan Commission, has studied and examined five sites which are examples of the three types. In the following paragraphs are given brief descriptions of these sites. While the Committee feels that each of these sites deserves consideration, it wishes to point out that similar areas may be available and worthy of further investigation.

1. Low Building Density Sites
 - a. Outlying

As an example of this type of site, a tract in River Forest was studied. This is a 300-acre area almost all of which is the Thatcher Woods owned by the Cook County Forest Preserve. This area is bounded by North Avenue, Thatcher Road, Lake Street, and First Avenue. Except for a few small commercial enterprises, the area is unimproved, and, therefore, construction could be started with a minimum of delay. It is estimated that approximately 44 per cent of the student potential will live within a 10-mile radius of this site, and 50 per cent of that student potential will live within one hour's travel time on public transportation. This site provides ample ground for Physical Education, R.O.T.C., parking, and other functions requiring land as well as that necessary for expansion. The cost of the land, if available, should not exceed 50 cents per square foot, but its availability will be governed by the willingness of the Cook County Forest Preserve District to release the land. No loss of city or county revenue would result from the selection of this site.

- b. "Made Land" Sites

An example of this type of site is the reclaiming of land from the lake front south and east of the Adler Planetarium and roughly at the foot of Roosevelt Road extended. Such a site could be in the form of an island, a peninsula, or merely an extension or expansion of the present lake front. For the purpose of this study, an area of 200 acres is tentatively assumed. Approximately 51 per cent of the future student potential will live within a 10-mile radius of such a site, and approximately 61 per cent of that student potential will live within one hour's travel time on public transportation. Land construction costs should not exceed \$3.50 per square foot and may be as low as \$1.75 per square foot. It is estimated that the required land can be constructed within two or three years. Selection of such a site will not result in any loss in the city's tax revenue.

2. Medium Building Density Sites

As an example of this type of site, the area along the north side of the Congress Street Expressway and opposite the Medical Center District was chosen for the purpose of this study. This site of 203 acres, including existing streets and alleys, is bounded by Madison Street, Ashland Boulevard, Ogden Avenue, the Expressway, and Western Avenue. It is, to a large extent, a blighted residential area. Selection of this site will require the relocation of some 18,000 persons now living in the area. Based on experience of other agencies in Chicago, the relocation of approximately 4,500 persons per year would be the maximum rate that could reasonably be expected. Approximately 59 per cent of the student potential will live within a 10-mile radius of this site, and 63 per cent of that student potential will live within one hour's travel time on public transportation. The fact that the area is close to the campus of the Chicago Professional Colleges may be of some advantage. The acquisition cost is estimated at \$3.50 per square foot, but if acquired as a redevelopment project, the net cost to the University would probably be between \$1.80 and \$2.50 per square foot, excluding streets and alleys. Selection of this site will result in a loss of approximately \$100,000 per year tax revenue to the city.

3. High Building Density Sites

Two examples of this type of site were studied, the first of which includes 60 acres of heavily developed loft buildings located in an irregular area with major boundaries: north, Van Buren Street; east, Wabash Avenue; south, Polk Street; west, LaSalle Street. This boundary excludes two major structures, the Transportation Building and the Y.M.C.A. Hotel. Although there is almost no residential rehousing necessary, the area includes a large number of commercial organizations that would have to be relocated. Land acquisition cost is estimated at about \$20 per square foot, but it acquires as a redevelopment project, the net cost to the University would probably range between \$10 and \$11 per square foot. Approximately 54 per cent of the future student potential will live within a 10-mile radius of the site, and 65 per cent of that student potential will live within one hour's travel time on public transportation. Because of the character, size, and present use of the existing buildings, the time required for acquisition and clearance of the site will probably not permit starting construction until after 1959. Selection of this site will result in a loss of tax revenue to the city of approximately \$1,000,000 per year.

Consideration was also given to another example of the high density type of site, namely, the Ft. Dearborn Project. This site has many of the characteristics of the State-Congress Streets site although the sponsors of the project have presently planned only 33 acres for use by the University. This site is in an area immediately north of the Merchandise Mart. Approximately 54 per cent of the future student potential will live within a 10-mile radius of the site, and approximately 64 per cent will live within one hour's travel time by public transportation. The land acquisition cost is estimated at approximately \$8.50 per square foot. Loss in city tax revenue from the selection of this site is estimated at approximately \$250,000 per year.

The Committee has reached the following conclusions concerning site selection:

1. Any of the five sites studied could be used for the purpose of constructing an undergraduate division.
2. Although the above five sites are considered representative of three different types, detailed studies may prove alternate, but similar, sites to be more practical. For example, only one of many lake front sites has been considered in this report. Further studies of similar sites on the lake front, including the remodeling and expansion of Navy Pier, may indicate that a site other than that selected for this study is more practical.
3. A more comprehensive study will be required for selection of a specific site. This report does provide a basis for establishing a range of site

costs. It also should help to limit the number of sites to be studied in further detail.

B. Floor and Land Areas

Although estimates of floor and land areas have been developed as accurately as practicable at this time, such estimates should remain elastic pending selection of a specific site and development of campus and individual building plans. In making such studies, it is recommended that consideration be given to the possibility of graduate work being introduced at some date in the future.

The facilities, based on the proposed educational program, the anticipated enrollment of 15,000 students, and the planning standards and assumptions, are estimated to require a floor area of approximately 2,500,000 gross square feet and a land area of 50 to 140 acres. This estimate of land area permits the selection of any one of the three types of sites but is based on only the program as previously described. Therefore, additional land for new programs, such as graduate work, or for increased enrollment should also be acquired or its availability assured for some future date.

C. Construction and Operating Costs

In this report, the Committee has outlined the nature and size of an educational program and the facilities needed to carry it on. The Committee considers this program to be necessary if the University is to operate a four-year undergraduate division in Chicago. This program will necessitate the acquisition of land and the construction of buildings over a twenty-year period in order to meet the planned needs in the early 1970's. The estimated capital costs for such a development are divided into land acquisition and building costs.

In a preceding section, five sites have been described. The estimated market values of sufficient land on these sites range from \$3,000,000 to \$45,000,000. The cost of land to the University of certain sites, such as that on the West Side, will be less than the market value if the site is acquired as a federal aid redevelopment project.

Building costs have been estimated on the unit construction costs of present University buildings, adjusted for changes to current price levels. Such costs have not been adjusted for the future and are not based on drawings or specifications for either site improvement or building construction. The estimates of construction costs give a range of approximately \$75,000,000 to \$85,000,000. *Thus the Committee believes that the total capital costs required over the years to 1970 will fall in a range of \$78,000,000 to \$130,000,000 for the planned program.*

The total annual operating budget for the proposed educational program and facilities planned for 1971-72 is estimated at approximately \$13,500,000 and the income from student fees at approximately \$1,800,000. These estimates are based on 1953-54 budgets adjusted to the planned program. The current two-year program in the Chicago Undergraduate Division costs approximately \$2,700,000 per year, of which \$465,000 is provided from student fees. Therefore, the establishment of a four-year program as planned for 15,000 students will require ultimately an annual increase of tax funds in the neighborhood of \$9,000,000 at present cost levels, exclusive of University Retirement System costs.

D. Time Schedule

Although the above estimates are based on a program for the complete facilities required through 1971-72, the Committee does not believe that the entire plant should be constructed at one time.

The Committee suggests that the first phase of the construction program include sufficient floor area to permit vacating the space now leased at Navy Pier and to provide additional space required to start third and fourth year work in one or two colleges, such as Liberal Arts and Sciences and/or Commerce and Business Administration. In subsequent biennial periods, additional space can be constructed for expansion of the programs and for increased enrollment.

The date on which the building of new facilities can be completed will depend primarily upon when the site can be made available to start construction.

If a low building density site is selected and available, it will offer an opportunity to start construction earlier than on a medium density or high density site. *On low density sites, approximately two or three years will be*

required for architectural and engineering work and approximately two or three additional years for construction of facilities for the first phase of the program.

The selection of a medium or high density site would delay completion of construction due to the relocation problem. For example, on the West Side site, approximately 18,000 individuals will have to be relocated. In the light of recent experiences in Chicago, the relocation of families at a rate of 4,500 persons per year is the maximum that can be reasonably anticipated. Considerable time would, likewise, be required to relocate a larger number of commercial organizations on the other sites. *Therefore, on high density sites, completion of construction would probably be delayed by approximately two more years.*

As soon as a four-year Chicago undergraduate division is approved in principle, funds should be appropriated for continued site studies and selection including the development of campus plans. Funds should be appropriated in 1955-57 for detailed architectural and engineering planning and the start of land acquisition.

VI. Summary of Conclusions

1. National and State population statistics show that enrollments in post-high school education will approximately double in the next twenty years and that additional educational facilities will be required.
2. The Committee reaffirms the substance of its recommendations made in its interim report of March 31, 1954, that:
 - a. All phases of the long-range problems of meeting the State-wide higher educational needs for an increased population should be studied by a commission appointed by the Governor.
 - b. The University should construct facilities immediately on the Champaign-Urbana campus to correct existing crowded conditions and should construct additional facilities over a period of years to meet future enrollment needs.
3. While we recognize that there are many arguments for and against the development of a four-year undergraduate division in the Chicago area, we believe that one of the practical solutions in planning for the University of Illinois' share of an anticipated doubling of its enrollment is to establish such a campus in the Chicago area.
4. The evidence on economic status, costs, and academic history of students now attending the Chicago Undergraduate Division at Navy Pier does not in itself indicate an urgent need for expansion to a four-year program within the next few years. Until facilities owned by the University are available, the present two-year program in Chicago should be continued.
5. If a four-year Chicago undergraduate division is approved in principle, then:
 - a. The enrollment as of 1971-72 should be planned at 15,000 regular daytime students.
 - b. The educational program should be planned to include most of the undergraduate work of colleges now on the Champaign-Urbana campus with the exception of the colleges of Agriculture, Veterinary Medicine, and Law.
 - c. The facilities required will approximate 2,500,000 square feet of gross floor area and from 50 to 140 acres of land.
 - d. The facilities should be constructed in stages, the first of which would provide a permanent location for at least the two-year undergraduate division. The completion of the first phase of construction would take from four to eight years after funds have been made available.
6. The Committee has described five sites on which a permanent undergraduate division could be developed. No priority for these sites is proposed because final decision for selection must rest on a more detailed study.