

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

February 15, 1951



The February meeting of the Board of Trustees of the University of Illinois was held in the Illini Union Building, Urbana, Illinois, on Thursday, February 15, 1951, beginning at 2:00 p.m.

The following members were present: President Williamson, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins.

Also present were President Stoddard, Provost Coleman R. Griffith, Vice-President A. C. Ivy, Messrs. Howard A. Hazleton, Business Manager of the Chicago Colleges, C. C. DeLong, Bursar, J. F. Wright, Director of Public Information; Judge John H. Armstrong, Attorney, Champaign, special counsel for the University; and Messrs. Lloyd Morey, Comptroller, C. W. Weldon, Treasurer, and A. J. Janata, Secretary of the Board.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board considered the following recommendations and reports presented by President Stoddard.

APPOINTMENT OF LEGAL COUNSEL

(1) Three months ago I appointed a Committee to study two questions which needed clarification with respect to the office of Legal Counsel: (a) Could the position be regarded as part time, and if so, in what other capacities could the University employ such an officer? (b) Should the University enter into a contract with the Research Corporation of New York to handle the University's patent matters with a view to reducing the work of the Legal Counsel or of special counsel?

After the Committee reported on these questions I asked it to make a canvass of potential candidates for the position of Legal Counsel.

As a result of its investigations, the Committee finds that the University has need for a full-time Legal Counsel. It recommends that one be employed as an officer of the University. The Committee submitted abundant evidence in support of its conclusion.

The Committee also concurred in the recommendation of the University Research Board that the University enter into negotiations with the Research Corporation for certain patent services. Patent law is so specialized that it is necessary for the University to employ outside counsel on patent cases. A contract with the Research Corporation would reduce such services rather than the amount of work in the Legal Counsel's office. (A separate recommendation on this will be submitted at a later time.)

I recommend the appointment of Mr. Ralph F. Lesemann of the law firm of Baker, Lesemann, Kagy, and Wagner, East St. Louis, Illinois, as Legal Counsel and as Professor of Law at an annual salary of \$12,000 (Y basis), beginning May 1, 1951, the appointment as Legal Counsel to be on an annual basis and as Professor to be on indefinite tenure, with the understanding that the salary will be \$13,500 the second year and \$14,800 the third year. For the present the professorship will not involve any academic assignment, but it is desirable that Mr. Lesemann be a member of the faculty of the College of Law and of the University Senate. As a general administrative officer he will also be a member of the University Council.

I also request authority to employ Mr. Lesemann for short periods on a consulting per diem basis if his services are needed prior to May 1, 1951.

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

CONTRACTS WITH WARNER CONSTRUCTION COMPANY

(2) The President of the University reported that at a meeting of the Illinois Budgetary Commission in Springfield on February 14, which officials of the University of Illinois were asked to attend for the purpose of discussing the University's budget requests for the biennium of 1951-1953, there appeared representatives of the Warner Construction Company who made certain charges against the University in connection with the construction of the Women's Residence Hall (Lincoln Avenue Residence) and extensions of the utilities distribution system.¹ The Warner Construction Company has also made these charges in a letter to the members of the Board of Trustees, dated February 5, 1951.

Mr. John H. Armstrong, special counsel for the University in this matter, stated that the Warner Construction Company has not complied with the provisions of the contract for the construction of the Women's Residence Hall by submitting the required evidence of final payments to all subcontractors and has not submitted evidence to substantiate claims for additional payments, or for damages the Com-

¹ On December 28, 1948, the Executive Committee of the Board of Trustees authorized the President of the Board to appoint a special committee to consider the claims of the Warner Construction Company and to make recommendations to the Board. President John R. Forno appointed Mr. Kenney E. Williamson and President George D. Stoddard to serve on this special committee. By authority of the Board of Trustees, Mr. John H. Armstrong, Attorney, Champaign, was retained as special counsel for the University in this matter.

pany alleges were inflicted by the University during the course of the construction of the Women's Residence Hall and the extension of the utilities distribution system at Urbana. Comptroller Morey commented further and concurred in Mr. Armstrong's statement.

On motion of Mr. Livingston, the President of the University was requested to submit to the Board of Trustees for their information a factual report on this matter.

AWARD OF CERTIFICATES OF CERTIFIED PUBLIC ACCOUNTANT

(3) The Committee on Accountancy recommends that the following persons be awarded the certificate of Certified Public Accountant on the basis of having satisfactorily passed a written examination under Section 4b of the Accountancy Act of 1943, given by the Special Board of Examiners on November 15, 1950:

BERNARD BLUM

LEE ROY DEHLER

IRVING FISCHEL KRAMER

GEORGE C. MATTRAN

DANIEL M. SIMON

TIMOTHY JOSEPH SULLIVAN

I concur.

On motion of Mrs. Watkins, these certificates were awarded as recommended.¹

APPOINTMENT OF CHAIRMAN OF DEPARTMENT OF PHILOSOPHY

(4) The Dean of the College of Liberal Arts and Sciences reports that the professorial members of the Department of Philosophy, now organized with a head, have unanimously voted to recommend a change in the organization of the Department to one with a chairman. The Dean recommends this change be made. The University Statutes provide for such changes in department organization.

Professor M. T. McClure, now Head of the Department of Philosophy, will retire from active service on September 1, 1951. To replace him, the Dean of the College recommends the appointment of Professor Dilman W. Gotshalk as Chairman of the Department for two years from September 1, 1951, at a salary of \$9,000. Professor Gotshalk is the unanimous choice of the other members of the Department of professorial rank.

I concur.

On motion of Mr. McLaughlin, the change in departmental organization was approved and this appointment was made as recommended.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE FOR PROFESSOR THOMAS E. BENNER

(5) On November 24, 1950, the Board of Trustees granted Professor Thomas E. Benner of the College of Education a sabbatical leave of absence on one-half salary during the second semester of 1950-1951 to be used as an adjunct to a foreign mission he had been asked to undertake by the Department of State. The original plan was that he serve as the United States member of a team to be sent to Korea by the United Nations. Later, it was suggested that his services would be useful on a mission to Ecuador, to which he agreed. He is well qualified, professionally and by experience, to serve on either mission.

Plans for utilization of his services have not materialized, and he has withdrawn his request for leave.

I therefore recommend that his leave of absence be cancelled without prejudice to any future application.

On motion of Mr. Livingston, this leave was cancelled as recommended.

REQUIREMENTS FOR A MAJOR IN RHETORIC AND COMPOSITION

(6) The University Senate recommends adoption of the following program of major and minor requirements for a major in rhetoric and composition in the

¹ Issuance of certificates withheld in view of decision of Circuit Court of Cook County holding Section 4b of the Accountancy Act unconstitutional (see Minutes of April 19, 1951).

College of Liberal Arts and Sciences, leading to the degree of Bachelor of Arts:

Major. Twenty hours in English excluding Rhetoric 100, 101, 102, 151, 200, 242, 271, 272, English 101, 102, 103, 121, 122, 291, and including ten hours of English or American literature, at least six of which must be chosen from advanced groups, and ten hours of Composition chosen from Rhetoric 133, 144, 205, 206, 227, 230, 255, 256, and including at least one course in expository writing. With the permission of the adviser one of the following courses may be counted toward a Composition major: Speech 263, 363, Journalism 226, 227, 229.

Minor. Twenty hours in (a) Latin, Greek, French, German, Spanish, Italian, or Portuguese, or (b) in any two of those languages, or (c) in one of those languages and philosophy, or (d) in one of those languages and history, or (e) in history and philosophy, or (f) in any one of these subjects and psychology. No language courses may be regarded as satisfying the minor requirements if they are excluded from the majors of the language department, with the exception of elementary courses in Greek and Latin, French 103, 104, Italian 103, 104, and Spanish 103, 107. At least eight hours must be taken in each subject if two are chosen.

I concur.

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

REQUIREMENTS FOR A MAJOR IN HISTORY OF ART IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

(7) The University Senate recommends adoption of the following program of major and minor requirements for a major in history of art in the College of Liberal Arts and Sciences, leading to the degree of Bachelor of Arts:

Major. Twenty hours in art, excluding Art 185 and 186. The major must include Art 111, 112, 188, and 189, and at least ten hours chosen from Art 311, 312, 313, 314, 315, 316, 317, 318.

Minor. Twenty hours in any one or two of the following subjects: English, Greek, history, Latin, philosophy, psychology, sociology and anthropology, and speech. At least eight hours must be taken in each subject if two are chosen. The minor may also be taken in the curriculum in medieval civilization or the curriculum in Latin-American studies.

I concur.

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

CURRICULUM IN HISTORY OF ART IN THE COLLEGE OF FINE AND APPLIED ARTS

(8) The University Senate recommends adoption of the following curriculum in history of art in the College of Fine and Applied Arts, leading to the degree of Bachelor of Fine Arts. This is the fifth curriculum or option to be offered in art; the others previously approved are in painting, industrial design, advertising design, and art education.

The general requirements for admission to, and graduation from, the curriculum in history of art are the same as for the other options. All have a common freshman program. This curriculum requires 130 hours of credit for graduation. Following is the proposed curriculum in detail.

First Year			
First Semester		Second Semester	
	Hours		Hours
Art 121—Art Form.....	5	Art 122—Art Form.....	5
Arch. 171—Elements of Drawing.....	3	Arch. 172—Elements of Drawing.....	3
Rhet. 101—Rhetoric and Composition.....	3	Rhet. 102—Rhetoric and Composition.....	3
Language.....	4	Language.....	4
Physical Education.....	1	Physical Education.....	1
Military (for men).....	1	Military (for men).....	1
		Hygiene.....	2
Total.....	16 to 17	Total.....	18 to 19

Second Year

First Semester	Hours	Second Semester	Hours
Art 111—Ancient and Medieval Art	3	Art 112—Renaissance and Modern Art	3
Art Elective (studio) ¹	2	Art Elective (studio)	2
Hist. 111—Europe to 1815	4	Hist. 112—Europe from 1815	4
Speech 101—Effective Speaking	3	Electives	3
Language	4	Language	4
Physical Education	1	Physical Education	1
Military (for men)	1	Military (for men)	1
Total	17 to 18	Total	17 to 18

Third Year

Art History (advanced) ²	3	Art History (advanced)	3
Art Elective (studio)	2	Art Elective (studio)	2
Humanities 211—American Culture	4	Humanities 212—American Culture	4
History or English ³	3	History or English	3
Electives ⁴	3	Phil. 101—Introduction to Philosophy	3
Total	15	Total	15

Fourth Year

Art History (advanced)	6	Art History (advanced)	6
Phil. 323—Philosophy of Art	3	Electives	6 to 8
Electives	3 to 5	Art Elective (studio)	2
Art Elective (studio)	2		
Total	14 to 16	Total	14 to 16

Option in History of Art

	Men	Women
Art History and Humanities	32	32
Art (studio courses)	28	28
Electives	15	19
Foreign Language	16	16
History	8	8
Rhetoric	6	6
History or English	6	6
Physical Education	4	4
Military	4	..
Speech	3	3
Philosophy	6	6
Hygiene	2	2
Total	130	130

I concur.

On motion of Mr. McLaughlin, this curriculum was approved as recommended.

PRENURSING CURRICULUM

(9) To qualify for a degree of Bachelor of Science in Nursing, a student must complete a two-year program at Urbana or at the Chicago Undergraduate Division or at any accredited college, followed by from thirty to thirty-six months of professional

¹ Studio courses advised are as follows: Art 125, 126, 131, 132, 141, 142.

² Advanced Art History courses are as follows: Art 311, 312, 313, 314, 315, 316, 317, and 318.

³ History or English requirements to be chosen from the following: History 181, 182, 301, 302, 304, 313, 314, 375, 376; Division of General Studies 121, 122; English 101, 102, 103, 122, 131, 201, 313.

⁴ Suggested electives: Additional studio art courses; Classics 101, 103, 106, 110; Latin 162; Division of General Studies 161, 162, 171; Education 200, 300; Library Science 301; Music 110, 114, 117, 122, 123; Philosophy 101, 102.

training in one of the hospitals in the affiliation program for hospital schools of nursing. These hospitals are Cook County, Michael Reese, Presbyterian, and St. Luke's. The professional program in nursing is administered by the Chicago Professional Colleges.

The University Senate recommends adoption of a two-year prenursing curriculum to be administered by the College of Liberal Arts and Sciences. It is proposed that the admission requirements be the same as those for admission to the general curriculum in liberal arts and sciences plus one unit of algebra and one unit of plane geometry. Admission will be restricted to students from sixteen to twenty-eight years of age, provided that students between twenty-eight and thirty-three years of age may enter subject to approval of a Nursing Advisory Committee.

It is proposed that a minimum of sixty semester hours be required in the pre-nursing curriculum to include the following courses:

	Credit Hours
Rhetoric and Composition	6
Social Sciences (including the equivalent of a course in sociology and a course in psychology)	12
Humanities	6
Chemistry (one year of general and one semester of organic chemistry)	10
Biological Sciences (including a course in bacteriology)	8
Physics (a course specially designed for nurses or a year of college physics; special course not offered at Urbana)	4
Electives (one year of foreign language recommended)	14
Physical Education (four semesters)
Total	60

If the student changes from prenursing to some other curriculum, then Hygiene, which is not required in the nursing program, will be required for the degree.

I concur.

On motion of Mr. Herrick, this curriculum was approved as recommended.

REQUIREMENTS FOR ADMISSION TO CURRICULUM PREPARATORY TO TEACHING IN ELEMENTARY SCHOOLS

(10) The University Senate recommends adoption of the following requirements for admission to the curriculum preparatory to teaching in elementary schools in the College of Education:

1. For admission as freshmen, the entrance requirements for general admission to the University will apply.

2. In general, admission of transfer students, either from other institutions or from other colleges of the University of Illinois, will be limited to students having a grade-point average of 3.5 or higher, in terms of the University of Illinois grading system, provided that admission of transfer students whose scholastic average is below 3.5 will be considered on petition in individual cases.

3. Petitions for admission will be considered by a committee which will make recommendations to the Dean of the College of Education.

I concur.

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

REQUIREMENTS FOR GRADUATION WITH HONORS IN THE COLLEGE OF EDUCATION

(11) The University Senate recommends adoption of the following requirements for graduation with honors from the College of Education:

1. To be eligible a student must have earned in residence the final sixty-four semester hours of credit.

2. A student who achieves a specific scholastic average in all work presented for graduation and in all courses in education may be recommended for honors as follows: a scholastic average of not less than 4.25 — graduation with honors; a scholastic average of not less than 4.50 — graduation with high honors; a scholastic average of not less than 4.75 — graduation with highest honors.

The honors conferred will be noted upon the diploma and in the commencement program.

It is proposed that these conditions be used for the first time as a basis for determining graduation with honors at the February, 1952, commencement.

I concur.

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

INCREASE IN NONRESIDENT TUITION FEE

(12) Tuition fees at the University of Illinois are low compared with fees charged in other state universities. The resident tuition fee at Illinois is in the lower one-third of the fees in the state universities in the Middle West and the nonresident fee at Illinois is the lowest of this group.

Other state-supported institutions of higher education in Illinois have even lower tuition rates. It is not advisable to increase the resident tuition fee at the University of Illinois unless a comparable increase is made in the resident tuition fee of other state colleges and universities in Illinois. However, an adjustment in the nonresident tuition fee at the University of Illinois is in order.

I recommend that, effective September 1, 1951, the nonresident tuition fee be increased from the present \$80 per semester to \$150 per semester, to which would be added the present laboratory, library, and supply fee of \$8 per semester, making a total of \$158 per semester, or \$316 per academic year of two semesters, for educational fees. All students are also required to pay an Illini Union Building service charge and a hospital service fee of \$5 per semester. Comparable adjustments will be made in tuition fees for students in the Chicago Professional Colleges which operate on three twelve-week terms per academic year.

This new schedule would be approximately at the median of the present nonresident tuition fees charged by state universities in the Middle West.

On motion of Mr. Hickman, the increase in nonresident tuition fees was approved as recommended.

SALE OF PROPERTY AT 805 WEST PENNSYLVANIA AVENUE, URBANA

(13) In August, 1947 (Minutes, page 514), the University purchased the property at 805 West Pennsylvania Avenue, Urbana, for use as a temporary research laboratory by the College of Veterinary Medicine. The recommendation to the Board for the purchase of this property included a statement that when a new veterinary building has been provided, the house at 805 West Pennsylvania Avenue can be used for student housing. It is a three-story and basement building, solid masonry (brick with limestone facing) exterior walls, on a lot 120 feet wide and 140 feet deep. It was formerly occupied by a sorority and can accommodate about forty students. The College of Veterinary Medicine can give up this house when its new building, now under construction, is completed. While this may be by September, 1951, there is a possibility that the complete removal of activities to the new building can not be accomplished until later.

The Sigma Alpha Mu fraternity, which has had a chapter at the University of Illinois since 1918, is interested in buying the property at 805 West Pennsylvania Avenue. This organization formerly occupied a modern fraternity house, which it constructed on two lots at 1006-8 South Fifth Street, Champaign, until April, 1948, when the house was practically destroyed by fire. Since then, the fraternity has made continuous, but unsuccessful, efforts to finance reconstruction. The property owned by the fraternity has a frontage of 110 feet on Fifth Street and is 198 feet deep. It is near other University property. It would be advantageous for the University to own this property.

Alumni officers of the Sigma Alpha Mu fraternity representing the corporation which holds title to this property on Fifth Street, have offered the University \$80,000, the present appraised value, for the property at 805 West Pennsylvania Avenue on these terms and conditions: The fraternity will convey to the University its property at 1006-8 South Fifth Street, Champaign, at its appraised value of \$25,000; the balance of \$55,000 will be paid in cash at the time possession of the property at 805 West Pennsylvania Avenue is given; equipment installed

by the University in that house will be removed by and will remain the property of the University; the fraternity will clear the Fifth Street site of the ruins of its house.

The proposed sale of the University's property at 805 West Pennsylvania Avenue to Sigma Alpha Mu fraternity is recommended by the Dean of Students, the Director of Housing, the Director of the Physical Plant, and the Comptroller, subject to completion of a mutually satisfactory contract covering the equitable interests of both parties as to insurance, taxes, down payment, and other considerations. The sale will accomplish the intent of the University to reconvert the property to student housing.

The conditions requested by the Dean of the College of Veterinary Medicine as to possession and removal of University equipment will be met.

I recommend that the property at 805 West Pennsylvania Avenue be sold under the terms and conditions specified and that the Comptroller and the Secretary of the Board be authorized to execute the necessary papers upon approval by all officials concerned.

On motion of Mrs. Watkins, the sale of this property on the terms recommended was authorized by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

PURCHASE OF PROPERTY AT 501 SOUTH WRIGHT STREET, CHAMPAIGN

(14) The property at 501 South Wright Street, Champaign, has been offered for sale to the University for \$20,000, the appraised value, subject to immediate acceptance.

This property at the southwest corner of Springfield Avenue and Wright Street is a lot 99 feet by 66 feet and has on it a two-story and basement, eight-room frame residence with asphalt shingle roof. The building is used as a student rooming house. It is immediately east of the new State Water Survey Building and will eventually be needed for future expansion of the campus in that area.

This property is strategically located for commercial use and if so developed it would cost much more to acquire later.

The Director of the Physical Plant, the Comptroller, and the Chairman of the University Building Program Committee recommend acquisition of this property.

I concur and request that an appropriation of \$20,000 be made from the General Reserve for this purpose.

On motion of Mr. Livingston, the purchase of this property was authorized and an appropriation of \$20,000 was made, as recommended, by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

RELEASE OF FUNDS FOR BUILDINGS AND OTHER CAPITAL IMPROVEMENTS

(15) The Governor has approved the following releases of funds from appropriations made to the University of Illinois for 1949-1951 for buildings and other capital improvements:

Release No. 57

"For Permanent Improvements at Urbana-Champaign — Construction of extensions to the Utility Distribution Systems".....\$60 000

This is a partial release from an appropriation of \$375,000. The Governor has previously released (Releases Nos. 12, 37, 39, 41, and 52) \$287,650 from this appropriation. The funds now released are for the modernization of the transformer vaults in Talbot Laboratory and Altgeld and Harker Halls.

Release No. 58

"For Permanent Improvements at Urbana-Champaign — Additions to Power and Heating Plant and Remodeling of Existing Buildings".....\$25 000

This is a partial release from an appropriation of \$1,215,000. The Governor has previously released (Releases Nos. 6, 13, 14, 16, 23, 24, 30, 36, 42, and 53) \$1,169,922 from this appropriation. The funds now released are for the construction of a Diesel Engine House, as a part of the addition to the Power and Heating Plant.

I recommend that these funds be appropriated by the Board for the purposes indicated.

On motion of Mr. McLaughlin, these funds were appropriated, as recommended, by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

**CONTRACT FOR ARCHITECTURAL SERVICES ON EXPANSION
OF MEN'S RESIDENCE HALLS**

(16) On September 29, 1950 (Minutes, page 367), the Board of Trustees approved in principle the first phase of the expansion of the Men's Residence Halls and awarded a contract for the preparation of plans and specifications for a residence hall including barracks type housing for 240 students. Further studies indicate that the capacity of this building can be increased to 288 without increasing the total estimated cost. This will not include food service facilities.

Preliminary studies of the second phase for the expansion of Men's Residence Halls indicate that a desirable program will include (a) construction of a new unit to provide food service facilities for 1,000 men and housing for 96 men in single and double rooms, (b) converting the existing food service area in the present Men's Residence Halls, which now house 496 men students, to provide barracks type housing for an additional 76 men, and (c) some modernization of Busey and Evans Halls for women.

Present estimates of construction costs and of the amount which can be borrowed and liquidated from income indicate that this enlarged program can be carried out without a capital subsidy. This contemplates refinancing the present Men's Residence Hall loan and the pledging of the net income (now unencumbered) from Busey and Evans Halls.

To complete the studies of this second phase, the Director of the Physical Plant and the Comptroller recommend an addition to the contract with Skidmore, Owings, and Merrill, Architects, Chicago, which now covers only the first phase, to include architectural services for the enlarged project at a fee of 6 per cent of the construction cost for complete architectural services, 75 per cent of which will be due on completion of the working drawings and specifications, and the full amount to be payable only if the construction and remodeling are completed.

I concur and recommend further:

1. That the second phase of the expansion of Men's Residence Halls facilities be approved in principle subject to final approval after plans have been completed and bids received, and to further action on financing.

2. That the Comptroller and the Secretary of the Board be authorized to execute a contract with Skidmore, Owings, and Merrill as recommended above.

3. That an appropriation of \$42,000 be made from the General Reserve to finance the completion of the plans to the point of taking bids, this appropriation to provide for payment of 75 per cent of the architects' fee and such costs as will be incurred by the Physical Plant Department.

On motion of Mrs. Watkins, authority was given, as recommended, and an appropriation of \$42,000 was made for this addition to the contract by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

TRANSFER OF LAND TO MEDICAL CENTER STEAM COMPANY

(17) On July 28, 1949 (Minutes, page 493), the Board of Trustees authorized the transfer of certain properties to the Medical Center Steam Company, including some parcels of property acquired from the Medical Center Commission for \$1,000 (Minutes, November 29, 1949, page 948).

A portion of the Chicago Transit Authority right-of-way has been condemned and an alley adjoining property deeded to the Steam Company has been vacated. The Medical Center Commission proposes to transfer these parcels to the University as a part of the \$1,000 purchase and authority is required for the transfer of the property from the University to the Medical Center Steam Company.

I recommend the adoption of the following resolution.

Authorizing Conveyance of Certain Real Estate to Medical Center Steam Company

Resolved, That the Board of Trustees of the University of Illinois, in furtherance of the purposes of the steam contract dated as of July 1, 1949, between Medical Center Steam Company and this Board, hereby authorizes, empowers, and directs the Comptroller and the Secretary of this Board, in the name of and on behalf of this Board, to execute and deliver to Medical Center Steam Company, an Illinois Corporation, a warranty deed conveying to such Medical Center Steam Company the following described real estate, to wit:

The West Twenty-six and seventy-five hundredths (26.75) feet of Lots One (1) to Ten (10), both inclusive, and the West Twenty-seven (27) feet of Lots Eleven (11) to Sixteen (16), both inclusive, all in Block Two (2) in Commissioners' Subdivision of Blocks Fourteen (14), Fifteen (15), Sixteen (16) and Twenty-one (21) in Assessor's Division of the East Half ($E\frac{1}{2}$) of the Southeast Quarter ($SE\frac{1}{4}$) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian, *also*

The West Twenty-seven (27) feet of Lots One (1), Two (2) and Three (3) in Block Twenty (20) in S. H. Sweet's Resubdivision of Blocks Eighteen (18), Nineteen (19) and Twenty (20) in Assessor's Division, aforesaid, *also*

The East Half ($E\frac{1}{2}$) of the North and South vacated alley lying west of and adjoining the above described property, *also*

Lot Twenty (20) in Block Two (2) in Commissioners' Subdivision, aforesaid; together with the West Half ($W\frac{1}{2}$) of the North and South vacated alley lying East of and adjoining said Lot Twenty (20);

Situated in the City of Chicago, County of Cook and State of Illinois; and

Resolved further, That the Board of Trustees of the University of Illinois hereby authorizes, empowers, and directs the Comptroller and the Secretary of this Board, in the name of and on behalf of this Board, to execute and deliver to said Medical Center Steam Company, a quitclaim deed conveying the following described real estate, to wit:

All of the North and South vacated alley lying West of and adjoining Lots One (1) to Sixteen (16), both inclusive, in Block Two (2) in Commissioners' Subdivision of Blocks Fourteen (14), Fifteen (15), Sixteen (16) and Twenty-one (21) in Assessor's Division of the East Half ($E\frac{1}{2}$) of the Southeast Quarter ($SE\frac{1}{4}$) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian, West of and adjoining Lots One (1), Two (2) and Three (3) in Block Twenty (20) in S. H. Sweet's Resubdivision of Blocks Eighteen (18), Nineteen (19) and Twenty (20) in Assessor's Division, aforesaid, East of and adjoining Lot Six (6) in the Subdivision of Lots Twenty-nine (29), Thirty (30), Thirty-one (31) and Thirty-two (32) in Block Two (2) in Commissioners' Subdivision, aforesaid, East of and adjoining Lots Seventeen (17) to Twenty-eight (28), both inclusive, in Block Two (2) in Commissioners' Subdivision, aforesaid, and East of and adjoining Lots Twenty-nine (29), Thirty (30) and Thirty-one (31) in Block Twenty (20) in S. H. Sweet's Resubdivision, aforesaid;

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

On motion of Mr. Livingston, this resolution was adopted by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

**CONTRACT FOR UNDERGROUND SEWER ALTERATIONS AT
DENTISTRY, MEDICINE, AND PHARMACY BUILDING**

(18) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$4,977 to George D. Hardin, Chicago, the lowest bidder, for the installation of sewage ejectors for the Research Laboratory and Library Unit of the Dentistry, Medicine, and Pharmacy Building.

The installation of new ejectors is necessary to relieve the overloaded condition of the sewage ejectors in the present general hospital building. At present, sewage from the Research Laboratory and Library Unit empties into the ejectors for the general hospital.

Funds are available in the Physical Plant Department budget.

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

On motion of Mr. McLaughlin, this contract was authorized as recommended.

**CONTRACT FOR WATER SUPPLY FACILITIES AT DENTISTRY,
MEDICINE, AND PHARMACY BUILDING**

(19) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$15,975 to Fettes, Love, and Sieben, Chicago, the lowest bidder, for installation of new water pumps, a pressure tank, piping changes, and a new supply line from the water mains to the first unit of the Dentistry, Medicine, and Pharmacy Building.

The pumps in the second unit of this building now service all units and are so overloaded that at times it is impossible to maintain adequate water pressure in the upper floors.

Funds are available in the Physical Plant Department budget.

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 authorized as recommended.

**CONTRACT FOR INSTALLATION OF FIRE ESCAPE ON BUILDING
AT 1716 WEST TAYLOR STREET, CHICAGO**

(20) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$2,200 to the Parnell Iron Works, Inc., Chicago, the lowest bidder, for the installation of a metal fire escape on the building at 1716 West Taylor Street, Chicago, to replace the present wooden one which has deteriorated and is unsafe. The building has been remodeled to provide offices for the Physical Plant Department and quarters for the Physical Plant Paint Shop.

Funds are available in the state appropriation for "Construction of Utility Distribution System and remodeling of existing buildings," in Chicago.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract, subject to the release of funds by the Governor.

On motion of Mrs. Watkins, this contract was authorized as recommended.

**CHANGE IN CONTRACT FOR REMODELING IN
NATURAL HISTORY BUILDING**

(21) The Director of the Physical Plant and the Comptroller recommend an increase of \$1,520 in a contract with C. A. Petry and Sons, Champaign, for remodeling in the Natural History Building, this change being necessary to pro-

vide for extension of electrical service and the general construction for relocating an X-ray machine. The only X-ray machine in the Department of Physiology was formerly in room 412a Natural History Building which has been eliminated by construction of new fireproof stairs.

Funds are available.

I concur and recommend that the Comptroller be authorized to execute the contract change.

On motion of Mr. Hickman, this contract was authorized as recommended.

REMODELING IN NOYES LABORATORY OF CHEMISTRY

(22) Two years ago the Board of Trustees approved a program of safety improvements to eliminate fire hazards in the Noyes Laboratory of Chemistry and appropriated funds for the necessary remodeling and installations, the major job being construction of new fireproof stairways at the northwest and southwest corners of the building. The next stage of this phase of the program is removal of the center wooden stairs and closing the stairwell openings on each floor. This work was not included in the contract for the construction of the new stairways.

The Director of the Physical Plant and the Comptroller recommend that the removal of the center stairs and the covering of the floor openings be done by E. N. DeAtley, Champaign, the general contractor for the fireproof stairways, under a standing contract awarded him on September 29, 1950, for remodeling work on a cost-plus basis. The estimated cost of this work is \$5,098.

I concur.

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

CONTRACT FOR ELECTRICAL EQUIPMENT IN ABBOTT POWER PLANT

(23) On October 26, 1950 (Minutes, page 436), the Board of Trustees approved a contract for a new Diesel engine-driven generator in the Abbott Power Plant. The Director of the Physical Plant and the Comptroller now recommend the award of a contract for \$43,752 to the A. S. Schulman Electric Company, Chicago, the lowest bidder, for the electrical equipment needed as a part of this installation to provide an independent power source.

Funds are available in the state appropriation for "Additions to Power and Heating Plant and remodeling of existing buildings."

I concur and request that the Comptroller and the Secretary of the Board be authorized to execute this contract, subject to the release of funds by the Governor.

On motion of Mr. Livingston, authority was given as recommended.

CONTRACTS FOR CONSTRUCTION OF DAIRY BARNs

(24) The state appropriations to the University for buildings and other capital improvements for 1949-1951 include \$290,000 for "Construction of agricultural structures and remodeling present agricultural buildings." The Board of Trustees has allocated \$75,000 of these funds for buildings for the Department of Dairy Science and the funds have been released by the Governor. The University Architect, the Comptroller, the Dean of the College of Agriculture, and the Head of the Department of Dairy Science recommend that contracts for the construction of bull and calf barns in the South Lincoln Avenue area and of a small calf barn in the "Round Barns" area be awarded as follows:

	<i>Lincoln Avenue Calf and Bull Barn</i>	<i>Round Barns Area Calf Barn</i>
O. L. Shoemaker, Champaign—general work	\$49 912 22	\$7 897 57
J. L. Robinson, Champaign—plumbing work	7 698 00	576 00
J. M. Bean Electric and Hardware, Urbana— electrical work	4 165 00	580 00
	<u>\$61 775 22</u>	<u>\$9 053 57</u>

These are the lowest bidders. The total costs of these two projects, including insurance, architectural and engineering costs, and contingencies are \$71,000 and \$10,500 respectively.

The cost of the calf and bull barns on South Lincoln Avenue is within the allocation of funds made by the Board of Trustees, but there are two more projects in this group of agricultural structures (improved milk handling facilities and the construction of a goat barn). Funds for these are available in the "Contingencies" item of the state appropriations, subject to the release by the Governor.

Construction of a small calf barn at the so-called "Round Barns" area is necessary to meet commitments under a regional dairy cattle research project undertaken in cooperation with the United States Department of Agriculture and the agricultural experiment stations of the North Central area. To provide part of the funds for this barn, the Head of the Department of Dairy Science and the Dean of the College of Agriculture recommend the appropriation of an unassigned balance of \$5,500 from Unappropriated Agricultural Income of the Department. The balance of \$5,000 is available from the gifts and grants contributed for the regional research project.

I concur in all these recommendations.

On motion of Mr. McLaughlin, these contracts were authorized and an appropriation of \$5,500 from the income of the Department of Dairy Science was made, as recommended, by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

CONTRACT FOR ASPHALT TILE FLOORS IN CHEMISTRY ANNEX AND UNIVERSITY HIGH SCHOOL GYMNASIUM

(25) The Director of the Physical Plant and the Comptroller recommend award of a contract for \$2,870 to Coleman Floor Company, Chicago, the lowest bidder, for replacing asphalt tile floors in the Chemistry Annex and the University High School Gymnasium.

This is a maintenance project for which funds are budgeted.

I concur and recommend approval.

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

CONTRACT FOR REROOFING OF ADMINISTRATION BUILDING (EAST) AND GEORGE HUFF GYMNASIUM

(26) The Director of the Physical Plant and the Comptroller recommend award of the following contracts for roof replacements for which funds were previously appropriated by the Board:

Huff Gymnasium — Henry Reuter & Sons, Kankakee.....\$20 017
Administration Building (East) — Henry Reuter & Sons, Kankakee..... 9 563

These contracts will result in a total cost less than the original estimate, and it is proposed to lapse \$19,000 from the appropriation.

I concur and recommend approval.

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

ADDITION TO GENERAL CONTRACT FOR CONSTRUCTION OF ANIMAL SCIENCES LABORATORY

(27) The Department of Dairy Science has requested certain rearrangements of rooms on the fourth floor of the west wing of the Animal Sciences Laboratory which will require additional construction. The principal cost will be for cork insulation, for glazed and greaseproof tile (with credit for omission of asphalt tile and acoustic ceiling), and for hollow metal doors.

Sumner S. Sollitt Construction Company estimates this will cost \$2,389.59, which has been checked and approved by Naess and Murphy, architects for the building, and by the Physical Plant Department.

The Director of the Physical Plant and the Comptroller recommend an increase of \$2,389.59 in the general contract for this purpose. Funds are available.

I concur and request that the Comptroller be authorized to execute the necessary change order.

On motion of Mr. McLaughlin, authority was given as recommended.

CHANGES IN CONTRACTS AND ADDITIONAL APPROPRIATION FOR REMODELING OF PHYSICAL PLANT SERVICE BUILDING

(28) The Board of Trustees has authorized the remodeling of the Physical Plant Service Building (the boiler house section of the old power plant) to convert this space into quarters for research use. Funds were appropriated and contracts for remodeling have been awarded.

The remodeling contracts do not include completion of the fourth floor, this having been eliminated in order to reduce the cost of the project. It is now clear that the entire fourth floor area is needed so that the University can develop certain research projects in connection with the electronic digital computer, the program in physics of the solid state under the direction of Professor Frederick Seitz, and new government contracts. Space is also needed for the development of a control systems laboratory which may be one of the major contributions of the University to national security.

Completion of the fourth floor will add approximately 3,500 square feet of space. The estimated cost of the additional construction, including installation of essential utilities, is \$40,000.

I recommend that the Board authorize changes in present contracts to provide for this additional work and that an appropriation of \$40,000 be made for this purpose.

On motion of Mr. Livingston, changes in contracts for this remodeling were authorized and an appropriation of \$40,000 was made from the General Reserve Fund, as recommended, by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

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

1. Remodeling and equipment, College of Agriculture.....	\$50 000
2. Modernization of switchboard in Room 211, Department of Ceramic Engineering	2 300
3. Installation of coat hooks, screens, partitions, and pin-up boards, Department of Art.....	2 600
4. Machine tools for shop, Division of Biological Sciences, College of Liberal Arts and Sciences.....	10 000
5. Equipment for photo-clerical project and moving audio-visual aids laboratory, University Library.....	5 470
6. Purchase and repair of instruments, University Bands, College of Fine and Applied Arts.....	8 500
7. Equipment for central stenographic service, Chicago Undergraduate Division	2 675
Total	\$81 545

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

On motion of Mr. Hickman, these appropriations were made, as recommended, by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

APPOINTMENTS TO THE FACULTY

(30) 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. GEORGE HENRY AGATE, Assistant Professor of Hygiene and Medical Adviser

for Men, Health Service, and Pediatric Research Consultant, College of Education, beginning January 1, 1951, at an annual salary of \$8,000 (DY).

2. HERBERT C. BATSON, Professor of Biostatistics in the Department of Public Health, College of Medicine, beginning May 1, 1951, at an annual salary of \$10,000 (AY).

3. JACKSON JUSTICE CAMPBELL, Assistant Professor of English, beginning September 1, 1951, at an annual salary of \$4,300 (B).

4. JAMES VANALLEN EDSALL, Assistant Professor, Bureau of Community Planning, beginning February 1, 1951, at an annual salary of \$4,900 (DY).

5. IRENE ELNORE HARMS, Research Assistant Professor of Education, Graduate College, beginning February 1, 1951, at an annual salary of \$4,900 (GY, 8 months).

6. DONALD A. WALLACE, Associate Professor of Applied Materia Medica and Therapeutics, College of Dentistry, and Consultant to the University of Illinois Foundation, beginning January 1, 1951, at an annual salary of \$11,000 (BY) (1951-1952, \$12,000).

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

REPORT OF GIFTS AND GRANTS RECEIVED BY THE UNIVERSITY

(31) The following gifts and grants of funds received by the University have been accepted by the President in accordance with the statutory procedure and are now being reported for official record.

For the Colleges and Schools at Urbana-Champaign

A. Undergraduate Scholarships, Prizes, and Other Financial Aids

1. Mrs. Margaret Anderson, Joliet, Illinois, \$1,200 to be added to the William Anderson Memorial Scholarship in Music in memory of her late husband. (The amount received to date is \$11,800.)

2. Lou Boudreau Trust Fund (a trust set up in the National Bank of Harvey, Illinois, by citizens of that community), \$232 for the Lou Boudreau Scholarship awarded to two male graduates of Thornton Township High School attending the University.

3. Brook Hill Farms, Inc., Chicago, \$100 for the continuation of the Brook Hill Farms Scholarship in dairy technology.

4. Campus Chest, University students' fund-raising organization, \$1,764.75 for scholarships.

5. Chicago Farmers, Chicago, \$500 for a scholarship in the College of Agriculture.

6. Class of 1950, \$1,000 for scholarships.

7. Haeger Potteries, Dundee, Illinois, \$80 for scholarships in ceramic engineering.

8. Elizabeth Hamilton Scholarships, through the University of Illinois Illini Achievement Fund, \$2,000 for the continuation of two \$500 scholarships, one in music and the other in medicine, during the years 1949-1950 and 1950-1951.

9. Illinois Association for the Crippled, Inc., \$300 for a scholarship in occupational therapy.

10. Illinois Congress of Parents and Teachers, \$600 for scholarships for the academic year 1950-1951.

11. Illinois Federation of Women's Clubs, \$1,200 to be added to the Occupational Therapy Scholarship Fund. (The amount received to date is \$16,700.)

12. Illinois Mining Institute:

a. Alfred E. Pickard Coal Company, \$200 for a scholarship in mining engineering.

b. Peabody Coal Company, \$1,200 for six scholarships (\$200 each) in mining engineering.

c. \$400 for a scholarship in mining engineering.

13. Kroger Company, Cincinnati, Ohio, \$1,200 for scholarships for students in agriculture and home economics in the amount of \$200 each.

14. James F. Lincoln Arc Welding Foundation, \$1,000 for four scholarships (\$250 each) in the College of Agriculture to students majoring in agricultural engineering.

15. John Morse Memorial Foundation, Chicago, \$3,000 for six scholarships (\$500 each) in mechanical and electrical engineering.
16. Old Ben Coal Company, \$1,100 for scholarships in mining engineering.
17. Panhellenic Council, University student organization, \$170.85 for scholarships.
18. Mrs. Kittie B. Pierce, La Grange, Illinois, \$500 for the continuation of the Phyllis Pierce Ruettinger Scholarship in memory of her late daughter. (The amount received to date is \$5,100.)
19. Ruhm Phosphate and Chemical Company, Chicago, \$1,000 for the Dr. Cyril G. Hopkins Agricultural Scholarship to be awarded to the winner of the essay contest on *Soil Building in Soil Conservation* for 1950-1951.
20. Sears-Roebuck Foundation, Chicago:
 - a. \$2,876.50 for scholarships in the College of Agriculture.
 - b. \$800 for scholarships for freshman girls in home economics.
21. Sinai Temple Congregation of Champaign-Urbana, \$50 for a scholarship in the School of Music.
22. Skidmore, Owings, and Merrill, Chicago, \$1,000 for two scholarships in architecture to be awarded to seniors in the Department of Architecture.
23. University of Illinois Foundation, Illini Achievement Fund, \$9,496 for Illini War Memorial Scholarships.
24. The Borden Company, New York, N.Y., \$400 to Professor Gottfried S. Fraenkel, Department of Entomology, to cover expenses for the processing of a large quantity of whey for the isolation of vitamin B₁₂.
25. Champaign-Urbana Kiwanis Club and Alpha Gamma Delta Sorority in Champaign-Urbana, \$168.15 to add to funds to aid Dr. Severina E. Nelson, Professor of Speech and Director of the Speech Clinic, in her work with children suffering from cerebral palsy.
26. National Academy of Sciences, Washington, D.C., \$1,000 for expenses of printing and binding *Cleavage Fractures of Ship Plates* by Professor Emeritus Wilbur M. Wilson of the Engineering Experiment Station and his associates, Messrs. R. S. Hechtman and W. H. Bruckner.
27. The Payne Fund, New York, N.Y., \$1,750 for national awards by the Institute of Communications Research for distinguished radio writing and to secure participation of distinguished radio men in seminars at the time the prize scripts are presented.
28. United Spanish American War Veterans, Department of Illinois Auxiliary, \$50 for a prize to be awarded to the woman student who has the highest scholastic standing in her first year of work in home economics.
29. University Club of Decatur, \$20 to be added to the Woman's League Needy Students Fund.

Total, Undergraduate Scholarships, Prizes, and Other Financial Aids \$36,358.25

B. Funds for Graduate Fellowships, Scholarships, and Research

30. Allied Chemical and Dye Corporation, New York, N.Y., \$2,400 for the renewal of two fellowships in chemistry (\$1,200 each), for the academic year 1950-1951.
31. American Cyanamid Company, Bound Brook, New Jersey, \$3,000 for the renewal of a postdoctoral fellowship in chemistry for the academic year 1950-1951.
32. Cincinnati Chemical Works, Inc., Norwood, Ohio, \$2,000 for the renewal of a fellowship in chemistry for the academic years 1949-1950 and 1950-1951.
33. The Dow Chemical Company, Midland, Michigan, \$1,500 for a fellowship in chemistry, under the direction of Professor Edward W. Comings, for the academic year 1950-1951.
34. E. I. du Pont de Nemours and Company, Wilmington, Delaware:
 - a. \$8,400 for fellowships in chemistry and chemical engineering. (This report covers grants for a three-year period. The fellowship stipend is \$1,800 a year and \$1,000 a year is added for expenses of the research work done under the fellowship.)
 - b. \$4,500 for a postdoctoral fellowship in chemistry for 1950-1951 (\$3,000 for stipend and \$1,500 to cover expenses of research work).
 - c. Grant in support of fundamental research in chemistry during 1950-1951, \$10,000.

35. Eastman Kodak Company, Rochester, New York, \$1,200 for the renewal of a fellowship in chemistry for the academic year 1950-1951.

36. Ethyl Corporation, Detroit, Michigan, \$1,200 for the renewal of a fellowship in chemistry, under the supervision of Professor Harry G. Drickamer, for the academic year 1950-1951.

37. The Ernest A. Grunsfeld Fund, \$500 for a European traveling fellowship in architecture to be awarded to a student graduating during the current academic year 1950-1951. (The fund will be deposited with the University on May 1, 1951. While this grant is for the current year only, the Fund hopes to make annual grants of like amount in the future.)

38. Illinois Clay Products Company, Joliet, Illinois, \$2,000 (\$1,500 for the stipend and \$500 for miscellaneous expenses) for the renewal of a fellowship in clay mineralogy in the Department of Geology, under the supervision of Professor Ralph E. Grim, for the academic year 1950-1951.

39. Lakefield Nepheline Syenite, Columbus, Ohio, \$1,200 (\$1,000 for the stipend and \$200 for miscellaneous expenses) for a fellowship in ceramic engineering for the academic year 1950-1951.

40. Lauhoff Grain Company, Danville, Illinois, \$1,500 for a fellowship in Chemistry, under the direction of Professors George L. Clark and Duane T. Englis, for the academic year 1950-1951.

41. Eli Lilly and Company, Indianapolis, Indiana, \$1,000 for the renewal of a fellowship in chemistry, under the supervision of Professor Nelson J. Leonard, for the academic year 1950-1951.

42. Lindsay Light and Chemical Company, West Chicago, \$1,200 for the renewal of a fellowship in chemistry for the academic year 1951-1952.

43. National Lead Company, Baroid Sales Division, Houston, Texas, \$1,200 for the renewal of a fellowship in geology for the academic year 1950-1951.

44. Western Cartridge Company, a division of Olin Industries, Inc., East Alton, Illinois, \$1,800 for the renewal of a fellowship in chemistry for the academic year 1950-1951.

45. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio, \$1,200 (\$1,000 for the stipend and \$200 for miscellaneous expenses) for the renewal of a fellowship in ceramic engineering for the academic year 1950-1951.

46. Pittsburgh Consolidation Coal Company, Library, Pennsylvania, \$2,250 for the renewal of a fellowship in chemical engineering for the academic year 1950-1951 (\$1,800 to be added to \$450 balance in previous grant for 1949-1950).

47. The Procter and Gamble Company, Cincinnati, Ohio, \$1,700 (\$1,200 for the stipend and \$500 for miscellaneous expenses) for a fellowship in chemistry for the academic year 1950-1951.

48. Shell Fellowship Committee, New York, N.Y., \$3,000 for the renewal of fellowships in chemical engineering (\$1,500) and geology (\$1,500) for the academic year 1950-1951.

49. Sinclair Refining Company, New York, N.Y., \$2,500 for a fellowship in chemistry for the academic year 1950-1951.

50. Standard Oil Company of California, San Francisco, \$1,250 for the renewal of a fellowship in chemistry for the academic year 1950-1951.

51. Henry Strong Educational Foundation, Chicago, \$600 for a fellowship in physics, chemistry, or engineering for the academic year 1950-1951.

52. Swift and Company, Chicago, \$2,000 for a fellowship in entomology from July 1, 1950, to June 30, 1951.

53. The Upjohn Company, Kalamazoo, Michigan, \$4,060 to be added to a fellowship in chemistry for investigation of enzymic aspects of adrenal cortex transformations, for the academic year 1950-1951.

54. Velsicol Corporation, Chicago, \$2,500 for the renewal of a fellowship in zoology for the academic year 1950-1951.

55. Victor Chemical Works, Chicago Heights, \$1,500 for the renewal of a fellowship in chemistry for the academic year 1950-1951.

56. The Visking Corporation, Chicago, \$2,000 (\$1,500 for the stipend and \$500 for miscellaneous expenses) for a fellowship in chemistry for one year beginning February, 1951.

57. Westinghouse Educational Foundation, Pittsburgh, Pennsylvania, \$2,000

for the renewal of a fellowship in electrical engineering for the academic years 1949-1950 and 1950-1951.

58. Mary E. Baker scholarship, supported by the University of Tennessee Library, \$300 for graduate study in the University of Illinois Library School.

59. American Cancer Society, Inc., New York City:

a. \$1,554.47 for research on the influence of carcinogenic agents on fat metabolism, by Professor Fred A. Kummerow, Department of Food Technology.

b. \$865 for research on induced limb regeneration and the control of abnormal growth in regenerating tissue, by Professor S. Meryl Rose, Department of Zoology.

60. American Gas Association, \$9,000 for warm air furnace research in the Engineering Experiment Station.

61. \$2,700 for research on bovine brucellosis immunization: M. J. Boyle and Company, \$500; Curtiss Candy Company, \$700; Mill Rose Farm, \$500; Midlane Farm, \$500; Quaker Oats Company, \$500.

62. John Brunner Memorial Endowment for Research and Advancement in Engineering Education, \$1,599.17 to supplement previous grants for research and advancement in engineering education in the College of Engineering. (The amount received to date is \$22,799.17.)

63. Illinois Coal Strippers Association, Chicago, \$500 to supplement funds previously received for a cooperative study of the potentialities of revegetating and utilizing agronomic species on the strip mined areas in Illinois, by the Department of Agronomy. (The amount of the contract was \$5,800.)

64. Illinois Grain Corporation, Chicago, \$2,250 to supplement previous grants for research and educational programs to improve the operating efficiency and the services of county grain dealers in Illinois.

65. Illinois Home Bureau Federation, \$2,000 for a research project on school equipment for instruction in home economics to be done cooperatively by the College of Education and the Departments of Home Economics and Agricultural Engineering.

66. Illinois Seed Producers Association, Inc., \$3,591.55 for corn research in the Department of Agronomy.

67. Eli Lilly and Company, Indianapolis, Indiana, \$4,000 for research on insulin in the Department of Chemistry.

68. Lumber Dealers Research Council, \$1,200 for time and material studies by the Small Homes Council.

69. Midwest Barley Improvement Association, \$100 for research on barley variety fertilizer tests at Woodstock, Illinois.

70. Mrs. C. Phillip Miller, Chicago, \$4,853.77 to be added to the Sinnissippi Forest Trust Fund in support of forestry research.

71. \$292.25 for the development of the Northern Illinois Experimental Field in DeKalb County: Nelson Duvick, \$42.25, and Moews Seed Company, \$250.

72. Public Service Company of Northern Illinois, \$5,000 to supplement previous grants for studies of the application of electricity to field operations.

73. Swift & Company, Chicago, \$18,000 for a study of bacterial spores responsible for food spoilage, under the supervision of Professor H. O. Halvorson of the Department of Bacteriology, for a period of three years.

74. United States Public Health Service:

a. \$14,063 for training in clinical psychology, in the Department of Psychology, under the supervision of Professor Herbert Woodrow, for one year beginning July 1, 1950 (No. 2M-5089C3 and C3S).

b. \$15,091 for extension of personality structure investigation in terms of objective test factor measures to children, in the Department of Psychology, under the supervision of Professor Raymond B. Cattell, for one year beginning September 1, 1950 (No. MH-80C-2).

c. \$28,914 for a preschool project for young mentally handicapped children, in the College of Education, under the supervision of Professor Samuel A. Kirk, for one year beginning October 1, 1950 (No. MH-274-R).

d. \$9,900 for a study to determine the synthesis and maintenance of intracellular enzymes, under the supervision of Professor Sol Spiegelman, Department of Bacteriology, for a period of one year beginning July 1, 1950 (No. C-1094-C).

e. \$16,200 for a study to determine the origin and interconversions of the non-essential amino acids, in the Department of Chemistry, under the supervision of

Professor William C. Rose, for a period of one year beginning September 1, 1950 (No. RG-1386-C2).

f. \$9,646 for studies of the inositol lipids of plant and animal tissues, in the Department of Chemistry, under the supervision of Professor Herbert E. Carter, for a period of one year beginning September 16, 1950 (No. RG-2031C).

g. \$8,977 for a study to determine the nitrification phase of the biochemical oxygen demand test, in the State Water Survey and Department of Chemistry, under the supervision of Professor Arthur M. Buswell, for a period of one year beginning September 1, 1950 (No. RG-2141-C).

h. \$10,800 for a study of the nature, cause, and control of housefly resistance to insecticides, in the Department of Entomology, under the supervision of Professor George C. Decker, for one year beginning September 1, 1950 (No. RG-2623).

i. \$4,924 for a study to determine factors affecting the concentrations of free amino acids in animal tissues, in the Department of Chemistry, under the supervision of Dr. L. M. Henderson, for one year beginning September 1, 1950 (No. RG-2674).

75. VioBin Corporation, Monticello, Illinois, \$200 for an investigation of the value of wheat germ oil in the development of resistance to disease by the Department of Bacteriology, under the supervision of Professor George I. Wallace.

Total, Funds for Graduate Fellowships, Scholarships, and Research \$247,681.21
C. Gifts of Equipment, Works of Art, and Library Materials

76. Judge and Mrs. John H. Armstrong, Champaign, Illinois, a Baldwin grand piano for the School of Music.

77. Mr. Seward Brisbane, New York, N.Y., the papers of Albert Brisbane. (Albert Brisbane was a writer on the staff of the *New York Tribune* during the days of Horace Greeley. For twenty years he wrote a column dealing with social reforms. The collection includes some of his original manuscripts and other notes.)

78. Hotpoint Company, an automatic dish washer for the Home Economics Department. (Estimated value, \$225.)

79. Miss Nola B. Harper, Washington, D.C., eighty-one volumes of architectural works in memory of her brother, the late Edward Clarke Harper, Class of 1914.

80. Mr. and Mrs. Earle Ludgin, Chicago, prints and drawings to the Department of Art.

81. University of Illinois Band Association, a portrait of Director Emeritus A. A. Harding by Professor C. E. Bradbury. (A public presentation will be made at the Annual Band Concert in March, 1951.)

Total, Gifts of Equipment, Works of Art, and Library Materials...\$ 225.00
Total, Urbana-Champaign.....\$284,264.46

For the Chicago Professional Colleges

A. *Funds Received from Private Industry, Foundations, Other Organizations and Government Agencies for Research and Graduate Study*

82. Abbott Laboratories, North Chicago, Illinois:

a. \$2,000 for continuation of research on dietary therapy in liver disease, in the Department of Medicine, under the supervision of Dr. Robert M. Kark, for one year beginning July 1, 1950.

b. \$500 to be added to the Anonymous Renal Research Fund, in the Department of Pharmacology, College of Medicine, under the supervision of Doctor Carl C. Pfeiffer.

c. \$400 for research on Bisulfite, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Morton I. Grossman.

d. \$16,000 for research on studies on the toxicity and metabolism of sucaryl, in the Department of Medicine, under the supervision of Dr. Robert M. Kark, for a period of one year beginning November 1, 1950. (The first quarterly payment of \$4,000 has been received.)

83. American Hospital Supply Corporation, \$500, the Burdick Corporation, \$500, and the Scientific Manufacturing Company, \$500 for continued research on value of ultraviolet irradiation of blood and plasma, in the Department of Bac-

teriology, College of Medicine, under the supervision of Dr. Coye C. Mason and Dr. Milan V. Novak.

84. Armour Laboratories, Chicago:

a. \$3,600 for research on a study of the eosinophile producing factor in the liver, in the Department of Medicine, under the supervision of Dr. Robert M. Kark.

b. \$12,000 for the Armour Hematology Fund in the Department of Medicine.

85. Ayerst, McKenna, and Harrison Limited, Montreal, Canada, \$6,250 for research on urogastron, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Morton I. Grossman.

86. Bristol Laboratories, Syracuse, New York:

a. \$14,000 for research on the pharmacology of synthetic penicillin derivatives and analgesic drugs, in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Carl C. Pfeiffer.

b. \$1,800 for the renewal of a fellowship in the Department of Pathology, College of Medicine, under the supervision of Dr. Granville A. Bennett (\$1,500 to be added to \$300 balance in previous grant for 1949-1950).

c. \$1,800 for the renewal of a fellowship in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Carl C. Pfeiffer.

87. Burroughs Wellcome and Company, \$1,000 for the Syncurine Research Fund, in the Department of Surgery, Division of Anesthesia, College of Medicine, under the supervision of Dr. Max S. Sadove.

88. Ciba Pharmaceutical Products, Inc., Summit, New Jersey, \$500 for research on Ciba myoneural block agent investigation, in the Department of Surgery, Division of Anesthesia, College of Medicine, under the supervision of Dr. Max S. Sadove.

89. Consolidated Cosmetics, Chicago, \$3,300 for a study of the mode of action of a depilatory, in the Department of Dermatology, College of Medicine, under the supervision of Dr. Adolph Rostenberg, Jr.

90. Davis and Geck, Inc., \$500 to support the cost of film work done by Dr. Hilger P. Jenkins, Department of Surgery.

91. Glidden Company, Chicago, \$1,000 for research in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Carl C. Pfeiffer.

92. Hoffman-LaRoche, Inc., Nutley, New Jersey:

a. \$2,500 for the renewal of the Roche Fellowship in Pharmacology, in the College of Medicine, under the supervision of Dr. Carl C. Pfeiffer, for one year beginning July 1, 1950.

b. \$3,905 for the "Various-Circulation," in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

93. Lederle Laboratories, New York, \$9,528.61 for research on work of investigative nature in infectious diseases, preventive medicine, and related fields, in the Department of Preventive Medicine, under the supervision of Dr. Harry F. Dowling, for a period of one year beginning July 1, 1950.

94. Eli Lilly and Company, Indianapolis, Indiana:

a. \$2,500 for research on clinical evaluation of spirothiobarbiturates, in the Department of Surgery, Division of Anesthesia, under the supervision of Dr. Max S. Sadove.

b. \$4,550 for research on mumps vaccination, in the College of Medicine, under the supervision of Dr. John E. Kempf and Dr. Ralph Spaeth, for one year beginning April 1, 1950.

95. Mallinckrodt Chemical Works, St. Louis, Missouri, \$4,000 for research on alkyl carbonates, in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Carl C. Pfeiffer.

96. William S. Merrell Company, Cincinnati, Ohio, \$500 for research on effect of benty on sphincter of oddi, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

97. Miles Laboratories, \$1,500 for the study of antihistaminics and sympathomimetic drugs on flicker fusion threshold to be added to "Various-Circulation," in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

98. National Drug Company, Philadelphia, Pennsylvania, \$1,500 for investigation on gamergent, in the Department of Dermatology, College of Medicine, under the supervision of Dr. Theodore Cornbleet.

99. Nutrition Research Laboratories, Chicago, \$500 for arthritis research project, in the Department of Physiology, College of Medicine, under the supervision of Dr. Carlos I. Reed.

100. Ohio Chemical Company, Madison, Wisconsin, \$2,000 for investigation of newer anesthetic ethers, in the Department of Surgery, Division of Anesthesia, College of Medicine, under the supervision of Dr. Max S. Sadove.

101. Oster Manufacturing Company, Racine, Wisconsin, \$1,200 for research on fungicides, in the Department of Bacteriology, College of Medicine, under the supervision of Dr. Esther Meyer and Dr. Milan V. Novak.

102. Charles Pfizer and Company, Brooklyn, New York, \$6,144.46 for research on work of investigative nature in infectious diseases, preventive medicine, and related fields, in the Department of Preventive Medicine, under the supervision of Dr. Harry F. Dowling.

103. G. D. Searle and Company, Chicago, \$7,650 for research on the physiology of bile secretion, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

104. E. R. Squibb and Sons, New York, N.Y., \$2,666.67 for research on an investigation of striated muscle relaxants, in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Klaus R. W. Unna.

105. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania:

a. \$9,350 for investigation on the nature of muscular relaxation to be carried out with the aid of known and newly synthesized drugs, in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Klaus R. W. Unna, for one year beginning August 1, 1950.

b. \$3,740 for renewal of research on method for the assay of orexigenic and anorexigenic drugs in rats, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Morton I. Grossman, for one year beginning July 1, 1950.

c. \$1,000 for the study of antihistaminics and sympathomimetic drugs on flicker fusion threshold to be added to "Various-Circulation," in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

106. Toni Company, Chicago, \$10,200 for continuation of research on sulphydryl compounds in cellular respiration, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Leon L. Gershebin.

107. Upjohn Company, Kalamazoo, Michigan, \$1,350 to supplement a previous grant for a fellowship for research on gelatin sponge in surgery, in the Department of Surgery, College of Medicine, under the supervision of Dr. Warren H. Cole, for nine months beginning July 1, 1950.

108. VioBin Corporation, Monticello, Illinois, \$1,500 for continuation of research, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

109. Wander Company, Chicago, \$2,000 for nutrition and digestion research, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy, for one year beginning January 1, 1951.

110. Borden Company Foundation, Inc., New York, N.Y., \$2,500 for continuation of the Borden Undergraduate Research Award in Medicine, for five years (\$500 a year) beginning in 1952, when the present award is expended.

111. John Simon Guggenheim Memorial Foundation, New York, \$2,470 for research on electric cell counter, under the supervision of Dr. Gerhardt von Bonin of the College of Medicine, for one year ending June 1, 1951.

112. Lakeland Foundation, Chicago:

a. \$4,000 for cancer diagnostic test, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy, for the period April 15, 1950, to January 15, 1951.

b. \$10,800 for continuation of research on attempt to isolate the growth stimulating and inhibiting agents from the liver or intestinal mucosa, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

113. John and Mary R. Markle Foundation, New York, N.Y., \$15,000 for stipends of scholars in medical sciences. (Additional grants are to be received under a plan to support this program for several years.)

114. Pope Foundation, Chicago, \$10,000 for research on neuromuscular skeletal pathology, in the Department of Physical Medicine and Rehabilitation, under the direction of Dr. H. Worley Kendell.

115. Rockefeller Foundation, New York, \$27,000 for research on epilepsy, in the Department of Psychiatry, College of Medicine, under the supervision of Dr. Frederic A. Gibbs.

116. Therapeutic Research Foundation, Washington, D.C., \$963.75 for research on the comparative toxicity of boric acid to tissues and bacteria and its germicidal effect in the presence of tears, in the Department of Bacteriology, College of Medicine, under the supervision of Dr. Welton I. Taylor and Dr. Milan V. Novak.

117. American Cancer Society, Inc., New York, \$6,048 for research on changes in the connective tissue stroma of the cyclic organs of reproduction as influenced by hormones, in the Department of Pathology, College of Medicine, under the supervision of Dr. Hubert R. Catchpole.

118. American Heart Association, Inc., New York, N.Y., \$5,250 for research on relation of pituitary and adrenal cortex to experimental renal hypertension, in the Department of Physiology, College of Medicine, under the supervision of Dr. George E. Wakerlin. (The grant is payable in four installments, the first payment of \$1,312.50 has been received.)

119. American Medical Association, \$750 for continuation of research on resuscitation, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

120. American Society of Heating and Ventilating Engineers, New York, \$6,419.29 for research on physiological adjustments of human beings to rapid changes in environment, in the Department of Medicine, under the supervision of Dr. Robert W. Keeton.

121. Asthmatic Children's Aid, Chicago:

a. \$10,000 for research on studies in histochemistry and immunology, in the Department of Medicine, Allergy Unit, under the supervision of Dr. Ben Z. Rappaport, for one year beginning July 1, 1950.

b. \$2,760 for the services of a clinic nurse for one year from July 1, 1950.

122. Chicago Heart Association:

a. \$2,450 for research on growth of vascular grafts, in the Department of Surgery, College of Medicine, under the supervision of Dr. Warren H. Cole.

b. \$5,000 for research on a study of experimental renal hypertension, in the Department of Physiology, College of Medicine, under the supervision of Dr. George E. Wakerlin, for one year beginning July 1, 1950.

c. \$75,000 for design, production, and installation of an exhibit on heart and circulation for the Museum of Science and Industry, in the Illustration Studios, under the supervision of Professor Thomas S. Jones. (The first installment of \$10,000 has been received.)

123. Drama Club of Evanston, \$250 for continuation of a fellowship in the Department of Orthopaedic Surgery, College of Medicine.

124. Illinois Federation of Women's Clubs, \$1,400 for the continuation of a fellowship in the Department of Surgery, College of Medicine, for the Tumor Clinic in the Research and Educational Hospitals, under the supervision of Dr. Danely P. Slaughter, for one year beginning July 1, 1950.

125. Junior League of Chicago, Inc., Chicago, \$5,000 in continued support of the Consultation Clinic for Epilepsy in the Research and Educational Hospitals.

126. Life Insurance Medical Research Fund, New York, N.Y., \$500 for laboratory expenses in connection with research in the Department of Physiology, College of Medicine, under the supervision of Dr. George E. Wakerlin.

127. Women's Auxiliary of the College of Medicine, \$15 to be added to the Occupational Therapy Gift Fund, in the Research and Educational Hospitals.

128. United States Public Health Service:

a. \$10,040.44 for continuation of research on cause of gastric cancer, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy, for one year beginning April 1, 1950 (No. C-317-C-3).

b. \$5,825.41 for research on susceptibility of monkey's stomach to heat and condiments, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy (No. C-737-C).

c. \$3,599.83 for research to determine whether the resistance of the guinea pig to "butter yellow" hepatoma can be reduced by a liver damaging diet, under the supervision of Dr. Morton I. Grossman in the Department of Clinical Science, College of Medicine (C-758-C).

d. \$6,620 for a study of neoplastic changes in the oral epithelium and supporting structures induced by radioactive materials, under the supervision of Dr. Marvin S. Burstone in the Division of Oral Pathology, for one year beginning November 1, 1950 (No. C-1373).

e. \$4,843.64 for the Undergraduate Training Grant—Cancer, in the Department of Histology, College of Dentistry, under the supervision of Dr. Isaac Schour (Ct-663-C2).

f. \$22,952.03 for the continuation of undergraduate and postgraduate teaching and research in cancer, in the Department of Surgery, College of Medicine, under the direction of Dr. Danely P. Slaughter, for the period ending March 31, 1951 (No. Ct-630-C2).

g. \$20,880 for research on renal hemodynamics as influenced by chronic stress and adrenocorticotrophin, in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Carl C. Pfeiffer, for one year beginning August 1, 1950 (No. HG-787).

h. \$13,600 for research on site of action in the central nervous system of drugs useful in spastic conditions, in the Department of Pharmacology, College of Medicine, under the supervision of Dr. Klaus R. W. Unna (No. RG-1824).

i. \$4,740 for research on factors involved in the growth and dissolution of urinary and biliary calculi formed upon foreign body nuclei, in the Department of Surgery, College of Medicine, under the supervision of Dr. Cornelius W. Vermeulen.

j. \$14,000 to continue cardiovascular training, in the College of Medicine, under the supervision of Dr. Stanley W. Olson, for one year beginning September 1, 1950 (No. HT-300-C).

k. \$5,566 for research on projection systems of the cerebral cortex in the primate, in the Department of Anatomy, College of Medicine, under the supervision of Dr. Gerhardt von Bonin, for one year beginning October 1, 1950 (No. MH-333).

l. \$6,000 for a postdoctoral training grant, in the Department of Psychiatry, College of Medicine, under the supervision of Dr. David Shakow, for one year beginning July 1, 1950 (No. 2M-5538).

m. \$3,608.43 for continuation of research on cephalometric X-ray study of the growth of the human head from the eighth year to the fifteenth year, in the Department of Orthodontia, College of Dentistry, under the direction of Dr. Allan G. Brodie (D-23-C-2).

n. \$5,400 for research on amino acid and protein metabolism in leukemia, in the Department of Pediatrics, College of Medicine, under the direction of Dr. Harry A. Waisman (No. C-875-C).

o. \$1,172.27 for research on cardiac output and total peripheral resistance to flow and various physiological and pathophysiological conditions, in the Department of Physiology, College of Medicine, under the supervision of Dr. William V. Whitehorn.

Total, Funds from Private Industry, Foundations, Other Organizations and Government Agencies for Research and Graduate Study.....

.....\$468,608.83

B. Funds Received from Individuals

129. Anonymous:

a. \$580.80 for 44 vials, 132 mg. each of adrenocorticotrophic hormone for use in the Allergy Clinic in investigations concerning hay fever caused by sensitivity to ragweed. (Estimated value.)

b. \$250 to be added to the Patrick and Bertha Mooney Fund for financial aid to students in the College of Medicine.

130. Mr. W. R. Barker, \$1,000 for the continuation of research on chemical basis of epilepsy, in the Department of Psychiatry, College of Medicine, under the supervision of Dr. Frederic A. Gibbs.

131. Berkelhamer Family, \$100 for the annual Dr. Ralph C. Berkelhamer Scholarship award (started in 1946).

132. A. E. Christiansen Family, \$80 in honor of the late Mrs. Christiansen, to be added to the Lakeland Foundation Grant Cancer Diagnostic Test, in the Department of Clinical Science, College of Medicine, under the supervision of Dr. Andrew C. Ivy.

133. Mrs. Dorothy Iddings, Research and Educational Hospitals, Chicago, \$50 for medical editorial services in the Department of Physical Medicine and Rehabilitation, under the supervision of Dr. H. Worley Kendell.

134. Mr. Harry L. Kagan, \$155.50 to be added to the Tumor Clinic Gift Fund, in the Research and Educational Hospitals, under the supervision of Dr. Danely P. Slaughter.

135. Dr. Claude N. Lambert, \$50, and Dr. T. A. Fox, \$25, for the Orthopaedic Surgery-Travel Alumni, a travel fund for residents in Orthopaedic Surgery.

136. Dr. Francis L. Lederer, \$145 to be added to the Miscellaneous Otolaryngology Fund—Lederer, for research in the Department of Otolaryngology, College of Medicine.

137. Dr. Leo F. Miller, College of Medicine, for the Orthopaedic Surgery Fund, for awards to junior medical students, \$50.

138. Mr. Stanley J. Miskowicz, Harvey, Illinois, \$50 for the Psychiatry Gift Fund for research in the Department of Psychiatry, under the direction of Dr. Ladislav J. Meduna.

139. Mr. Jacob J. Nathan, \$20 to be added to the Allergy Antigens Research Fund in the Department of Medicine for research under the supervision of Dr. Ben Z. Rappaport.

140. Dr. Henry G. Poncher, College of Medicine, \$150 to be added to the Pediatrics Fund.

141. Dr. Ben Z. Rappaport, \$250 for research on mold spore production, in the Department of Bacteriology, College of Medicine, under the supervision of Mr. Leon J. LeBeau and Dr. Milan V. Novak.

142. Dr. Louis Savitt, \$10 to be added to the Miscellaneous Otolaryngology Fund—Lederer, in the Department of Otolaryngology, College of Medicine.

143. Mrs. Florence W. Stratton, \$20 in memory of the late Dr. George H. Musselman, for the Consultation Clinic for Epilepsy in the Research and Educational Hospitals.

144. Mr. Victor S. Yarros, La Jolla, California, \$300 to be added to the Rachelle S. Yarros Scholarship Fund, in the College of Medicine.

Total, Funds Received from Individuals.....\$3,286.30

C. Gifts of Equipment or of Funds for Equipment

145. Beverly Hills Junior Woman's Club, \$57.50 to be added to the Occupational Therapy Gift Fund for Children.

146. WLS Prairie Farmer Christmas Neighbor's Club, Chicago, a hospital bed (estimated value, \$157.50).

147. Women of the Rotary Club of Chicago:

a. \$52.29 to be added to the Orthopaedic Gift Fund for Children for a special shampoo bowl for the patients in the Department of Orthopaedic Surgery, College of Medicine.

b. \$355 to be added to the Orthopaedic Gift Fund for Children for three chrome wheel chairs and repair of three present chairs in the Department of Orthopaedic Surgery, College of Medicine.

Total, Gifts of Equipment or of Funds for Equipment.....\$ 622.29

Total, Chicago Professional Colleges.....\$472,517.42

For the Chicago Undergraduate Division

148. Harnischfeger Corporation, Milwaukee, Wisconsin, \$200 for scholarships.

Total, Chicago Undergraduate Division.....\$ 200.00

Grand Total.....\$756,981.88

This report was received for record.

PURCHASES

Purchases Authorized

(32) The following purchases were authorized by the President's Office on the recommendations of the Director of Purchases and the Comptroller.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Steel laboratory furniture for equipping a soil testing laboratory and a cytology laboratory in the floriculture greenhouse	Physical Plant	Fisher Scientific Co., St. Louis, Mo.	\$3 470 95 f.o.b. Urbana
B and better northern white pine, 6" and wider rough kiln dried, in 12', 14', and 16' lengths: 5000 board feet, 2000 board feet, 1000 board feet	Physical Plant	White Pine Lumber Co., Chicago	3 219 00 f.o.b. delivered

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

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>
Three carloads (approximately 120,000 pounds) enamel book paper (Champion "Satin Refold") to be shipped one car in each calendar quarter of 1951 beginning the second quarter	Office Supply Storeroom	Dwight Brothers Paper Co., Chicago	\$22 000 00 approximate f.o.b. delivered
36,000 pounds "A Grade" English finish book paper to be shipped 12,000 pounds each calendar quarter of 1951 beginning with the second quarter	Office Supply Storeroom	Marquette Paper Corp., Chicago	6 400 00 approximate f.o.b. delivered
Laboratory furniture for new Animal Sciences Laboratory	Animal Science	Metalab Equipment Corp., Hicksville, Long Island, N.Y.	6 306 93 f.o.b. Urbana
Laboratory furniture for new Animal Sciences Laboratory	Dairy Science	Metalab Equipment Corp., Hicksville, Long Island, N.Y.	1 250 00 f.o.b. Urbana
Six 108" x 48" oak library tables and two 168" x 48" oak library tables (1 1/2" 5-ply tops, pedestal bases) for Veterinary Medicine Building	Physical Plant	Mutschler Bros., Nappanee, Ind.	1 894 00 f.o.b. Nappanee, Ind.
78 oak arm chairs for Veterinary Medicine Building	Physical Plant	The Milwaukee Chair Co., Milwaukee, Wis.	1 350 96 f.o.b. Milwaukee, Wis.
Steel laboratory furniture for Noyes Laboratory	Physical Plant	Metalab Equipment Corp., Hicksville, Long Island, N.Y.	9 777 75 f.o.b. Urbana
Four 36-circuit panelboards, flush-mounted; two 30-circuit panelboards, flush-mounted	Physical Plant Storeroom	Efengue Electrical Supply Co., Chicago	1 894 60 f.o.b. delivered
981 AAR pipe unions (standard pipe fittings)	Physical Plant Storeroom	Saunders and Co., Chicago	1 326 53 f.o.b. delivered
One No. 32-A-21,22 line P.A.X. One 110-115 volt, 60 cycle to d.c. power unit for above	Physical Plant	L. A. Cutshall, Chicago	1 349 15 f.o.b. Chicago
Six dial wall monophones, type 44, style AA71 (Intercommunication equipment for the Power Plant addition)			
45,000 pounds soft paste basic carbonate of white lead in accordance with A.S.T.M. specifications No. D-81, latest revision	Physical Plant	MacGregor Lead Co., Chicago	9 787 50 f.o.b. Urbana
300 sheets 1/4" x 4' x 8' interior, Douglas fir plywood, sound one side	Physical Plant	Gaines Hardwood Lumber Co., St. Louis, Mo.	1 324 80 f.o.b. delivered
Surface-mounting wiring devices	Agricultural Administration	Efengue Electrical Supply Co., Chicago	1 322 07 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Electrical supplies (conduit fittings, switch boxes, switches, and other items)	Agricultural Administration	Graybar Electric Co., Chicago	1 578 88 f.o.b. Urbana
One class A fireproof safe, 42" x 60" x 28" with 20 suspension file drawers to contain student records	Chicago Undergraduate Division, Admissions and Records	Remington Rand, Inc., Chicago	1 845 52 f.o.b. delivered and installed
One multichannel oscillograph with 30 r.p.m. motor and 12 tooth sprocket, 5 to 1 ratio providing paper speeds of 25 mm/sec and 5 mm/sec	Aeromedical and Physical Environment Laboratory	Brush Development Co., Chicago	2 200 00 f.o.b. Cleveland, Ohio
One eight-channel electroencephalograph, model 111 series, with nine-speed gear box, for research work in the Department of Psychiatry	Psychiatry	Grass Instrument Co., Quincy, Mass.	3 735 00 f.o.b. Quincy, Mass.
Communication and industrial tubes: 17 each No. FG172; 61 each No. GL3C23; 28 each No. FG-32; 6 each No. 5559	Physics	General Electric Supply Co., Springfield	1 781 70 f.o.b. Urbana
Standard 3 1/2" round, flush, bakelite cased meters as follows: 37 microammeters, 71 milliammeters, 20 ammeters, 75 voltmeters	Physics	The Weston Electrical Instrument Co., Chicago	2 355 23 f.o.b. Newark, N.J.
2700 receiving tubes	Physics	Radio Corporation of America, Chicago	2 229 65 f.o.b. Harrison, N.J.
One 16 mm. film viewing machine with 2" x 3" rear projection screen, hand and foot switch control, complete with cabinet, amplifier, and speaker, constant speed motor and variable speed motor	Photography	Moviola Manufacturing Co., Hollywood, Calif.	1 358 00 f.o.b. Hollywood, Calif.
One professional 16 mm. motion picture camera complete with 235 degree dissolving shutter, viewfinder, sun shade, and filter holder	Photography	J. A. Maurer Co., Long Island City, N.Y.	4 192 00 f.o.b. Long Island City, N.Y.
Two 400 foot gear-driven film magazines			
One 8-frame hand crank, friction head tripod and carrying case			
One accounting machine three-register capacity, with 18" carriage, extra row of two-letter characters, and with stand	Housing Division (Residence Halls)	Underwood Corp., Springfield	1 784 13 delivered and installed
10,000 reprints of <i>Unit Planned Houses</i> (contemporary houses developed from room units)	Small Homes Council	R. R. Donnelley & Sons Co., Chicago	2 499 00
One laboratory spaghetti and macaroni plant consisting of press, kneader, and mixer; machines to be mounted on a table and individually motor-driven; capacity 2 1/4 lbs. per operation	Food Technology	John J. Cavagnaro, Harrison, N.J.	3 480 00 f.o.b. Harrison, N.J.
One low temperature evaporator with capacity for handling 3 gallon batches and evaporating about 20 pounds of water per hour; to be used for research and teaching in connection with processing concentrated juices and milk	Food Technology	Mojonnier Bros., Chicago	3 391 50 f.o.b. Chicago
One experimental reduction unit (a miniature laboratory flour mill to reduce small amounts of grain to flour)	Food Technology	Allis-Chalmers Co., Chicago	4 065 00 f.o.b. Milwaukee, Wis.
Four autopsy tables, 36" x 78" x 35", stainless steel, pedestal type, complete with plumbing equipment	Veterinary Medicine, Physical Plant	American Sterilizer Co., Chicago	4 158 00 f.o.b. Urbana
Twelve betatron donut frames, porcelain and of sufficient strength and impermeability to hold a high vacuum on continuous pumping	Physics	McDaniel Refractory Porcelain Co., Beaver Falls, Pa.	1 857 96
Four 16 mm. portable sound projectors equipped with 2" focal lens, tubes, exciter lamps, photoelectric cells and cords	Physical Plant	Fletcher Visual Aids Service, Urbana	2 078 00 f.o.b. delivered
Four 2 1/4" focal lens for these projectors			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One single end tenoning machine with direct motor drive (2 h.p. 3600 r.p.m. totally enclosed), including tenoning head yokes, plain non-tilting table, cope attachments	Physical Plant	Oliver Machinery Co., Chicago	3 118 00 f.o.b. Grand Rapids, Mich.
One deep well turbine pumping unit with 30 h.p., 3 phase, 60 cycle, 220 volt 1150 r.p.m. vertical hollow shaft motor	Civil Engineering	Worthington Pump & Machinery Corp., Chicago	1 969 00 f.o.b. Urbana
120,000 feet No. 10 copper magnet wire, single cotton, single formvar	Physics	Anaconda Wire & Cable Co., Chicago	1 733 52 f.o.b. delivered

Textiles and Cotton Goods for the Chicago Professional Colleges General Stores:

<i>Company and Items</i>	<i>Unit Price</i>	<i>Extended Price</i>	<i>Total</i>
Sears, Roebuck & Company			
1000 yds. 34" single faced canton flannel, 8 oz. unbleached	\$ 55	\$ 550 00	
100 kimonos, assorted sizes, children's, sanforized seersucker, blue and white stripe		313 00 (lot) (863 00 plus 2%)	\$ 880 26
Harris and Wellman			
*500 yds. 72" unbleached muslin sheeting, type 140	77	385 00	
100 binders, double T	32	32 00	
100 doz. quilted mattress pads, 18" x 27" zig-zag 5/8" stitch covered of type 124 bleached muslin	7 75	775 00	
15 doz. shirts, scrub, large V neck, equal to Whitehouse No. 486 in style, sanforized	14 00	210 00	
35 doz. doctors operating gowns, bleached, sanforized jean twill 2.85 with stockinette cuffs large size	31 00	1 085 00	2 487 00
*This is the lowest bidder but they are unable to supply the 1000 yards, total quantity requested.			
Nestel Products			
*500 yds. 72" unbleached muslin sheeting, type 140	76 1/2	382 50	
300 yds. 36" white outing flannel 4.8 yards per pound	29	87 00	469 50
*This is the second lowest bidder who is able to supply the balance of 500 yards.			
Beverly Linen Company			
3000 yards 16" striped glass toweling in 50 yard bolts, red or blue	20	600 00	
100 doz. quilted mattress pads 39" x 76" zig-zag 5/8" stitch covered with type 124 bleached muslin	34 56	3 456 00	
*10 dozen type 140 bleached muslin sheets 72" x 108" 3" x 1" hem (10 doz. only for immediate delivery) (see L. B. Herbst Company)	33 58	335 80	
500 doz. 18" x 36" white huck towels	3 59	1 795 00	6 186 80
*This is the second lowest bidder who is able to supply the balance of 10 doz.			
Mills Hospital Supply Company			
30 doz. mattress covers unbleached type 140 muslin finished size 46" x 84" x 7" box type	44 00	1 320 00	
200 covers, mattress juvenile, 40" x 81" x 11" box type 140 unbleached muslin	3 22	644 00	
30 doz. wrappers 24" x 24"	6 00	180 00	
350 binders T, single	30	105 00	
300 drum, circles, 8 oz. sanforized duck 18" diameter	70	210 00	
250 kimonos, adult, large, sanforized seersucker, blue and white stripe	4 13	1 032 50	
12 doz. children cotton knit pants briefs size 4 and 6	1 85	22 20	
18 doz. children cotton knit pants briefs size 8 and 10	2 25	40 50	
18 doz. children cotton knit pants briefs size 14 and 16	3 75	67 50	
60 doz. children's gowns, small and large sizes	13 85	831 00	4 452 70
L. B. Herbst Company			
300 covers, standard, large 45" x 66", type 140 unbleached muslin, single thickness 1/2" hem	1 04	312 00	
300 covers, standard, medium 36" x 45", type 140 unbleached muslin, single thickness 1/2" hem	62	186 00	
6 doz. drum linings, 12 oz. duck	22 31	133 86	
350 pillow slips 45" x 36" made of 8 oz. single faced canton flannel	1 05 1/2	369 25	
200 doz. 12" x 12" white wash cloths	1 13	226 00	
*200 doz. type 140 bleached muslin sheets 72" x 108", 3" x 1" hem (see Beverly Linen Co.)	32 58	6 516 00	
*This is the lowest bidder but they are only able to supply 200 dozen of the 210 dozen requested.			
		(7 743 11 plus 2%)	7 897 97

<i>Company and Items</i>	<i>Unit Price</i>	<i>Extended Price</i>	<i>Total</i>
Will Ross			
600 covers, bed pan, 8 oz. A.C.S. blue and white stripe ticking, style and size like Will Ross No. F-400	37	222 00	
10 doz. Hollywood nurse turbans	4 00	40 00	
100 doz. towels all white bath, finished size 20" x 40" terry weave	6 06	606 00	868 00
Harfredce Company			
330 covers, hot water bottle, white outing flannel, with tie strings like Will Ross No. F-104	2 80	77 00	
330 covers, ice bag, white outing flannel	23 ½	77 00	
60 doz. unbleached type 160 muslin glove pockets	2 35	141 00	295 00
Kuttbauer Manufacturing Company			
30 doz. wrappers 20" x 20"	4 35	130 50	
350 A.B.D. binders	75	262 50	
300 dresses, baby, white flannelette, 12" set-in closed sleeves, tie back	64	192 00	
18 doz. shirts, infants, short sleeves, size 1 to 5 cotton knit, wraparound tie sides	3 60	64 80	649 80
Ottenheimer Company			
250 breast binders, large	10 45	217 70	
10 doz. stocking, surgical, small 36" length over-all with tie strings	6 70	67 00	
25 doz. doctors operating caps, white, bleached twill	2 50	62 50	
		(347 20 plus 2%)	354 14
Whitehouse Manufacturing Company			
25 doz. stocking, surgical, large 44" length	7 40	185 00	
60 doz. pajama pants, large (42-46) from type 132 unbleached sheeting	17 55	1 053 00	
10 doz. pants, scrub, large draw strings bleached, 6 oz. duck	21 10	211 00	
100 doz. patients gowns, unbleached jean twill, 2.85 finished (or equal) 40"	16 45	1 645 00	
		(3 094 00 plus 2%)	3 155 88
Kansas City White Goods			
120 doz. 54" x 72" type 140 bleached muslin draw sheets	17 80	2 136 00	
200 doz. type 140 bleached muslin pillow slips 45" x 36", 2" hem	7 30	1 460 00	
44 doz. Bates Ripplette white bed spreads 72" x 108"	39 80	1 751 20	5 347 20

On motion of Mr. McLaughlin, these purchases were authorized as recommended.

COMPTROLLER'S REPORT OF CONTRACTS

(33) The Comptroller's report of contracts executed for the period from January 1 to January 31, 1951.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
Lumber Dealers	Closet units	\$ 4 650 00	January 16, 1951
Research Council			
Bureau of Public Roads	Steel bridge columns	2 250 00	May 21, 1947
United States Air Force	Plasticity of metals	35 000 00	September 29, 1950
United States Navy	Organic acid metabolism	9 000 00	September 1, 1950
United States Navy	Plastic deformation of solids	24 520 00	September 1, 1950
National Advisory Committee for Aeronautics	Optically active materials in plastic deformations	13 900 00	August 4, 1950
United States Army	Compounds of high nitrogen content	10 000 00	October 11, 1950
Veterans Administration	Books and supplies under P.L. 346 and 16 for Chicago Undergraduate Division, September 22, 1950, to August 18, 1951	Rates per contract	December 13, 1950
Veterans Administration	Insurance short course under P.L. 346 and 16, March 20 to November 16, 1951	Rates per contract	November 17, 1950
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Date</i>
Illinois Power Company	Power and lighting for radio transmitter at Robert Allerton Park	\$ 62 50 per month (minimum)	December 29, 1950
E. H. Sheldon and Company	Plans and specifications for laboratory equipment	800 00 (approximate)	January 18, 1951

Contract Changes Executed

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
United States Navy	Task Order #11	\$ 5 000 00	September 30, 1950
United States Atomic Energy Commission	Content of human tissues in eleven trace minerals	8 500 00	October 23, 1950
United States Navy	Task Order #9	6 000 00	August 30, 1950
United States Navy	Psychodynamics of groups under controlled conditions	10 544 18	November 30, 1950
United States Air Force	Ceramic materials for increasing the life and efficiency of aircraft power plants	45 000 00	December 6, 1950
United States Navy	Task Order #27	9 200 00	August 31, 1950
United States Navy	Task Order #28	7 600 00	December 14, 1950
National Warm Air Heating and Air Conditioning Association	Warm air furnace heating	27 065 00	January 12, 1951
Merck and Company, Inc.	Vitamin B ₁₂ in calf nutrition	2 500 00	October 26, 1950
Commonwealth Edison Company	Solubility of boiler waters	20 000 00	January 27, 1951
Lederle Laboratories Division, American Cyanamid Company	Sulfonamides, antibiotics, and other agents in animal and poultry diseases	5 000 00	January 8, 1951
Hail Loss Research Committee, Western Hail and Adjustment Association	Soybean losses sustained from hail storm damage	1 800 00	January 8, 1951
American Gas Association	Air duct systems	5 000 00	January 9, 1951
Illinois Clay Products Company	Plastic and high temperature properties of clay	5 500 00	January 27, 1951

Adjustments Made in Authorizations Issued Under Cost-Plus Standing Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Anderson Electric, Inc.	Harker Hall remodeling (room 104, 106)	\$ 2 551 15	December 27, 1950
	Talbot Laboratory remodeling	571 43	December 27, 1950
	Floriculture Building alterations	650 00	December 29, 1950
	Changes in administrative offices	1 210 95	January 9, 1951
	Sub-total	(4 983 53)	
E. N. DeAtley	Talbot Laboratory remodeling	3 534 80	December 28, 1950
	Floriculture Building alterations	2 880 25	December 29, 1950
	Sub-total	(6 415 05)	
Reliable Plumbing and Heating Company	Floriculture Building Alterations	1 500 00	November 29, 1950
	Talbot Laboratory remodeling	500 00	November 29, 1950
	Changes in administrative offices	1 600 00	January 9, 1951
	Sub-total	(3 150 00)	
Schroeder's	Noyes Laboratory remodeling for Bacteriology	1 985 00	December 22, 1950
	Changes in administrative offices	358 64	January 9, 1951
	Sub-total	(2 343 64)	
Clarence H. Siems	Green Street apartments	157 35	January 15, 1951
	Student and Staff apartments	157 35	January 15, 1951
	Sub-total	(314 70)	
Square Deal Electric	1005 W. Nevada remodeling	50 00	January 25, 1951

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(34) The Comptroller presents his quarterly report to the Board as of December 31, 1950.

This report was received for record.

AFFILIATION WITH MORRISON HOME FOR THE AGED AND THE CHRONIC ILLNESS HOSPITAL

(35) The Vice-President in charge of the Chicago Professional Colleges submits for consideration a proposal for an affiliation with the Morrison Home for the Aged and the Home for the Incurables, both in Chicago. Under this plan the University would have facilities for the education of medical students and for research in a new "chronic illness hospital" (to be constructed in conjunction with a new home for the aged in the Medical Center District) and in turn would provide certain professional services.

The boards of directors of these two institutions are negotiating with the Medical Center Commission for the purchase of land on which to construct the buildings. Before proceeding, the Commission needs to know whether or not the University of Illinois will approve an affiliation along lines to be agreed upon.

A proposal has been drafted and is submitted herewith as a basis for discussion.

I recommend that the Board of Trustees indicate a desire to proceed with such an affiliation, with the understanding that later a formal agreement will be submitted to the Board for approval.

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

APPOINTMENTS TO PROFESSIONAL ADVISORY COMMITTEE OF THE DIVISION OF SERVICES FOR CRIPPLED CHILDREN

(36) The Board of Trustees has authorized the appointment of a Professional Advisory Committee for the Division of Services for Crippled Children. The present Committee was appointed for two years from December 1, 1948.

The Vice-President in charge of the Chicago Professional Colleges submits the following nominations for reappointments and new appointments to this Committee for a term beginning January 1, 1951, and expiring June 30, 1953, so that the appointments will coincide with the fiscal years of the biennium.

I concur in these appointments.

Reappointments

ALLAN G. BRODIE, Orthodontist, Chicago
JANE BULL, Executive Director of Illinois Commission for Handicapped Children, Chicago
HAROLD M. CAMP, Secretary-Treasurer of Illinois State Medical Society, Monmouth
MAUDE B. CARSON, Chief of Division of Public Health Nursing, Illinois Department of Public Health, Springfield
FREMONT A. CHANDLER, Orthopedist, Chicago
EDWARD L. COMPERE, Orthopedist, Chicago
HUGH COOPER, Orthopedist, Peoria
WOODRUFF L. CRAWFORD, Pediatrician, Rockford
ROLAND R. CROSS, Director of Illinois Department of Public Health, Springfield
WATSON GAILEY, Ophthalmologist, Bloomington
FRANCIS J. GERTY, Psychiatrist, Chicago
DORA GOLDSTINE, Medical Social Worker, University of Chicago, Chicago
PAUL W. GREELEY, Plastic Surgeon, Chicago
JULIUS H. HESS, Pediatrician, Chicago
PAUL H. HOLINGER, Bronchoesophagologist, Chicago
ISAAC JOLLES, Psychologist, Illinois Department of Public Instruction, Springfield
H. WORLEY KENDELL, Department of Physical Medicine and Rehabilitation, University of Illinois, Chicago
PHILIP LEWIN, Orthopedist, Chicago
FREDERICK W. MERRIFIELD, Plastic Surgeon, Chicago
ERIC OLDBERG, Neurologist and Neurosurgeon, Chicago
MEYER A. PERLSTEIN, Pediatrician and Cerebral Palsy Work, Chicago
HENRY G. PONCHER, Pediatrician, University of Illinois, Chicago
GEORGE E. SHAMBAUGH, JR., Otolaryngologist, Chicago
JOHN R. THOMPSON, Orthodontist, Northwestern University, Chicago
HAROLD WESTLAKE, Director of Speech Clinic, Northwestern University, Evanston

New Appointments

EMILY C. CARDEW, Coordinator of Nursing Education, University of Illinois Undergraduate Division, Chicago

RAYMOND CARHART, Director of Education of the Deaf and Hard of Hearing, Northwestern University, Evanston

J. C. DALLENBACH, Professional Liaison with Elks Crippled Children's Commission, Champaign

JAMES B. GILLESPIE, Pediatrician, Urbana

MORRIS H. KREEGER, Superintendent of Michael Reese Hospital, Chicago

ELIZABETH MCKINLEY, Director of Social Service, University of Chicago Clinics, Chicago

JOHN L. REICHERT, Pediatrician, Illinois Chairman of the American Academy of Pediatrics, Chicago

HAROLD WATKINS, Otologist, Bloomington

On motion of Mr. McLaughlin, these appointments were made as recommended.

**REPORT OF THE EXECUTIVE COMMITTEE MEETING
OF JANUARY 11, 1951**

The Secretary presented for the Executive Committee the following record of its transactions at a meeting held in Urbana, Illinois, on January 11, 1951.

A meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held at 4:30 p.m. on Thursday, January 11, 1951, in Room 317 of the Illini Union Building, Urbana, Illinois.

Mr. Kenney E. Williamson, Chairman, and Messrs. Park Livingston and Walter W. McLaughlin, members of the Executive Committee, were present; also attending the meeting were President George D. Stoddard, Comptroller Lloyd Morey, and Mr. A. J. Janata, Secretary of the Board.

Business Presented by the President of the University

The Executive Committee considered the following matters presented by President Stoddard.

Easement Through Robert Allerton Farms for Construction of Pipe Line

(1) The Texas Illinois Natural Gas Pipeline Company has requested an easement through the Allerton farms for the construction of a pipe line. The pipe line will extend across University property for a distance of 149½ rods, and the Company has offered to pay \$3 per rod for the easement or a total of \$448.50. Permission is also requested for authority to construct a second pipe line approximately parallel to the first for which an additional \$3 per rod will be paid.

It is reported that the rate offered to the University is the same that has been accepted by the majority of property owners in Piatt County. It is understood that rates in the southern counties have been as low as \$1 to \$2 a rod. In some counties north of Piatt County, the rate has been as high as \$5 a rod. The field affected by the easement is relatively low in agricultural value because of flooding several times each year and only a partial crop has been harvested.

The Dean of the College of Agriculture and the Comptroller recommend that this easement be approved.

I concur and recommend that the following resolution be adopted:

Be It Resolved, That the Comptroller and the Secretary of the Board are hereby authorized and directed on behalf of the Board of Trustees of the University of Illinois, a public corporation, to execute a right-of-way and easement contract and to deliver the same to the Texas Illinois Natural Gas Pipeline Company, a corporation, conveying and quitclaiming to said company, its successors and assigns, for and in consideration of the sum of four hundred forty-eight dollars and fifty cents (\$448.50) a right-of-way and easement to construct, reconstruct, operate, maintain, repair, alter, replace, move and remove a pipe line

and upon payment of a like sum one additional pipe line for the transportation of gas, oil, petroleum products or other liquids, gases or other substances which can be transported through a pipe line (grantee to have the right to select the route or routes thereof) under, through and across the following described real estate; situated in Piatt County, State of Illinois, to wit:

Centerline description of a strip of ground not to exceed seventy-five feet (75') in width, beginning at a point in the water's edge of the Sangamon River, said point being measured East along said water's edge, same being the South line of the University of Illinois tract of land, approximately 257 feet from the West line of section 14, T-18-N, R-5-E, Piatt County, Illinois;

Thence N. 4° 15' W, along Engineer's staked line, 421 feet to a point;

Thence N. 4° 00' E 2045 feet to a point in the division line between the lands of the aforesaid University of Illinois on the South and the lands of N. F. Tatman, *et al.*, on the North, said division line being also the North line of the Southwest quarter of said Section 14, said point being measured East along said division line 367 feet from the Northwest corner of the Southwest quarter of Section 14:

And containing in all 149.5 rods in length and 75 feet in width.

On motion of Mr. McLaughlin, this recommendation was approved and the foregoing resolution was adopted.

Contract for Modernization of Transformer Vaults

(2) The Director of the Physical Plant and the Comptroller recommend the award of a contract for \$54,900 to the Anderson Electric Company, Danville, the lowest bidder, for the modernization of the transformer vaults in Talbot Laboratory and Altgeld and Harker Halls. The bids received were for both the electrical and the general work in connection with each project.

Funds are available in the state appropriation for "Construction of extensions to the Utility Distribution Systems."

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

On motion of Mr. Livingston, this contract was authorized, as recommended.

Purchases

(3) 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>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
342 dozen assorted sizes, glass hypodermic syringes engraved "Prop. of Univ. of Ill." "Chicago"	Professional Colleges General Stores	A. S. Aloe & Co., Chicago	\$ 5,319 44 f.o.b. delivered
One isotope ratio mass spectrometer complete with installation and operating instructions	Chemistry	Consolidated Engineering Corp., Pasadena, Calif.	13,900 00 f.o.b. Pasadena

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

The Committee adjourned.

A. J. JANATA
Clerk

PARK LIVINGSTON
WALTER W. McLAUGHLIN
KENNEY E. WILLIAMSON, *Chairman*

This report was received for record.

REPORT OF COMMITTEE ON AGRICULTURE ON SALE OF OLNEY AGRICULTURAL EXPERIMENT FARM

Mr. McLaughlin presented the following report:

On December 28, 1950, the Board of Trustees approved a recommendation that operation of the University's experimental fruit farm near Olney, Illinois, be terminated and that the land be sold. The Committee on Agriculture was

requested to have the land appraised and to submit a recommendation as to selling price and conditions of the sale.

The Committee secured the following appraisal from Messrs. Sam W. Bunn, W. E. Moore, and Mark Thomson, of Olney.

Land, 96.31 acres at \$100 an acre, or total.....	\$ 9 631
House, six room modern with basement.....	4 000
Barn.....	1 500
Garage.....	100
Other Buildings	250
Total	\$15 481

The Committee then proceeded to secure bids on the property subject to the following conditions: (1) possession March 1 with the right reserved by the University through 1952 to complete scientific studies on about 1500 fruit trees on the north tract; (2) one-half of all mineral rights to be reserved by the University; (3) sale to be for cash.

Advertisements were published in three Olney newspapers offering this land for sale, and sale bids with check for 10 per cent of offering price were invited to be submitted not later than 10:00 a.m., Tuesday, February 13, 1951. A schedule of the bids received is attached.

The highest bid was received from E. J. Hahn, Olney, Illinois, who offers \$15,600. He has agreed to the following additional conditions:

1. The University shall have the privilege of retaining the house and garage for occupancy by the Superintendent until such time as he can move to another location, but not later than September 1, 1951.

2. The University shall have the privilege of keeping machinery on the north tract during the crop season of 1951 and using farm buildings for storing that machinery. (Not all of the space is required for this purpose.)

3. It is understood that the buyer will receive the fruit crop from the farm for 1951 after the University has completed experimental work.

4. The University will take care of the spraying of trees for the seasons 1951 and 1952.

The Committee recommends that the reservation on mineral rights be for a period of twenty-five years.

The Committee recommends that the offer of E. J. Hahn be accepted subject to all of the above conditions and that the President and Secretary of the Board be authorized to execute a deed of conveyance subject to the usual conditions of liability for taxes, insurance, and abstract costs.

On motion of Mr. McLaughlin the report and recommendations were adopted and the sale of this land on the terms specified above was authorized by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

REPORT OF COMMITTEE ON AGRICULTURE ON SALE OF COOK COUNTY AGRICULTURAL EXPERIMENT STATION LAND

Mr. McLaughlin presented the following report:

On July 28, 1949, the Board of Trustees authorized the sale of the Cook County Experiment Station land near Des Plaines, Illinois. The Committee on Agriculture was authorized to have the land appraised and to employ a real estate broker to negotiate with prospective buyers.

The property was appraised on September 10, 1949, by Messrs. Allan Kirkwood, H. M. Cornell, and Richard J. Leyden, real estate experts, as having a fair market value (defined as the present worth of the future benefits of ownership to typical users) of \$33,500, broken down as follows:

Land, 20.33 acres at approximately \$600 an acre.....	\$12 000
House and well.....	9 500
Greenhouse and heating plant.....	10 000
Barns and sheds.....	2 000

On January 11, 1951, the Chairman of your Committee (the other members were unable to participate) conferred at the University with Mr. H. M. Cornell of Des Plaines, one of the real estate brokers with whom the property is listed for sale. Comptroller Lloyd Morey, Professor C. J. Birkeland, Head of the Department of Horticulture, and Mr. A. J. Janata, Secretary of the Board of Trustees, also participated in this conference.

Later Messrs. Raymond Tures of Des Plaines and Hubert J. Tures of Skokie came into the conference and presented an offer of \$25,000 cash for the property and stated that they would confirm it in writing and tender a check for \$2,000 as earnest money. The written offer and check have now been received.

Their proposal would permit the University to retain possession of the buildings, including the greenhouse, and a small area of the land for a period of six months from the date of sale. This is an important consideration, because the Department of Horticulture and the College of Pharmacy wish to use the greenhouse through the 1951 crop season.

This is the first offer the University has received since the property was placed upon the market more than a year ago and listed with five brokers. The broker through whom the present offer is presented submits the accompanying letter which explains how recent developments have affected the marketability of the property. It is unlikely that a price approximating the original appraisal made in 1949 can be secured. It should be noted that the greenhouse was given a value of \$10,000 in the original appraisal, so that the offer of \$25,000 is \$1,500 more than the appraisal of the land and buildings other than the greenhouse. On the other hand, it probably would not be of any financial advantage to the University to remove the greenhouse because the cost of dismantling, transporting, and erecting it on another site would be almost as much as the cost of a new greenhouse. The present market value of the property can, therefore, be determined only by offers received from potential buyers.

After the offer of the Tures brothers was received, all other brokers with whom the property was listed were advised that a firm offer had been made at less than the appraised value and would be considered by the Board of Trustees on January 23, 1951. On January 22 an offer was received by the Comptroller from Fred J. Gillick, representing the Central Manufacturing Company of Chicago, of \$25,000 cash. This proposal would also permit the University to retain possession of the buildings for a period of six months from date of sale, but there is the further condition that the buyer be able to secure permission from local government authorities for the use (testing of paints) to be made of the property. If such permission is not forthcoming, the sale would not be consummated.

The foregoing report was prepared for presentation to the Board of Trustees at its meeting on January 23, 1951, but since only the chairman on the Committee of Agriculture was present no recommendation was made. There have been these subsequent developments: (a) the Central Manufacturing Company has withdrawn its contract; and (b) the Messrs. Tures have offered the University the right to occupy or remove the greenhouse and its heating plant from the premises, or otherwise dispose of them, within six months from the date of contract.

The Committee on Agriculture therefore recommends acceptance of the offer of Raymond and Hubert J. Tures and that the President and Secretary of the Board be authorized to execute the necessary documents of sale and transfer of the property.

On motion of Mr. McLaughlin, the report and recommendations of the Committee were adopted, and the sale of the land was authorized under the conditions specified in the Committee's report by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

PARTICIPATION OF FARM AND HOME ADVISERS IN UNIVERSITY RETIREMENT SYSTEM OF ILLINOIS

Mr. McLaughlin, for the Committee on Agriculture, reported on a proposal submitted to the Board and referred to the Committee that

would make it possible for farm and home advisers to participate more fully in the University Retirement System of Illinois. The plan proposed is explained in the minutes of the Board meeting of June 15, 1948 (page 1148).

On motion of Mr. McLaughlin, this plan was approved and authority was granted for the execution of trust agreements between the University and the participating county farm and home bureaus, subject to approval of the form and provisions of the trust agreement by the Legal Counsel and other appropriate University officers.

ENDOWMENT INVESTMENTS

Mrs. Watkins reported that the Finance Committee has approved the following changes in endowment securities at the approximate prices indicated:

Sale:	Approximate Market	Total
200 shares Northern Indiana Public Service Co., common stock.....	21½	\$4 300
10/100 shares Eastman Kodak, common stock.....	46½	5
Purchase:		
65 shares Industrial Rayon, common stock.....	66⅞	4 346

On motion of Mrs. Watkins, the following resolution was adopted:

WHEREAS, The Board of Trustees of the University of Illinois is the owner of the following described securities: 200 shares Northern Indiana Public Service Company, common stock; 10/100 shares Eastman Kodak, common stock; and, whereas the Board of Trustees has approved the sale of such securities,

Now, therefore, be it resolved, That Lloyd Morey, Comptroller, and A. J. Janata, Secretary, be hereby authorized to execute any and all documents necessary to complete such sale.

INTEREST IN AERMOTOR COMPANY STOCK RECEIVED FROM THE ESTATE OF LAVERNE NOYES

Mrs. Watkins presented the following report of the Finance Committee:

The University holds a beneficial interest in the Estate of LaVerne Noyes, consisting of 175 shares of Aermotor Company stock presently held by the trustees of the estate. Forty-seven other colleges and universities also participate under the will and hold varying amounts of stock.

A committee consisting of representatives of four institutions so participating, one of which is the University of Illinois, has considered ways of liquidating these interests at the present time, and a plan has been worked out whereby the present management may acquire the company on terms which, it is believed, are advantageous to all parties. Upon approval by the University of Illinois and the other three institutions, it is then to be submitted to all forty-seven participating schools.

Briefly stated, such terms provide for the sale of the investment portfolio of the company and a liquidating dividend paid to the schools from the proceeds. It is estimated that this payment will amount to something in excess of \$850 per share. In payment of the net operating assets of the Company, 4½ per cent, twenty year debentures of the Aermotor Company will be issued in the amount of \$369.59 for each share held by the schools. Through the operation of a sinking fund, it is anticipated that such debentures will be entirely retired during the twenty-year period. In addition, the trustees hold investments and cash with a present value of approximately \$566,500, which will be distributed to the participating schools upon the death of the last annuitant. The total amount that will then be received by the University is estimated to be in excess of \$1,500 per share, or \$262,500.

Under the terms of the will, the Trustees have entire control of the stock during the period of the annuities, which will probably be for ten or fifteen years from the present date.

It is considered by the Finance Committee, the Comptroller, and the Bursar, who have studied the matter, that it will be to the advantage of the University to accept this plan rather than to defer the liquidation until the death of the last annuitant.

On motion of Mrs. Watkins, the following resolution was adopted:

Resolution Concerning Aermotor Company Stock

WHEREAS, The University of Illinois holds a trustee interest in the Estate of LaVerne Noyes, consisting of 175 shares of Aermotor Company stock; and

WHEREAS, A plan has been worked out providing for the liquidation of such trustee interest over a period of twenty years, by the purchase of such interest by the Aermotor Company, to be paid for by a liquidating dividend received from the sale of the investment portfolio, payable upon approval of the plan by all participating schools, from the issuance of Aermotor Company Debentures, and liquidation of assets of the Estate of LaVerne Noyes upon the death of the last annuitant, and whereas it is considered to be desirable for the University of Illinois to participate in this plan;

Now, therefore, be it resolved, That Lloyd Morey, Comptroller, and A. J. Janata, Secretary, be hereby authorized to execute any and all documents necessary to place this plan into operation and effect and to transfer interests in such Aermotor Company stock now held by the University, to the Aermotor Company or any Trustee or individual authorized to receive it under the terms of the plan.

INVESTMENTS

Mrs. Watkins reported for the Finance Committee the following transactions involving securities:

Exchange:

Deposit Funds

\$25,000 U.S.A. Treasury Bills due December 7, 1950, for \$25,000 1¼ per cent Treasury Notes, U.S.A. Series G, due November 1, 1951.

Purchase:

Endowment Funds

\$25,000 Columbia Gas System, Inc., Series B, 3 per cent debenture bonds due August 1, 1975	\$25 495 00
150 shares Atchison, Topeka, and Santa Fe Railway Company, preferred stock	16 365 55
500 shares Cincinnati Gas and Electric Company common stock	15 992 84
300 shares National Dairy Products Corporation common stock	14 780 93
\$25,000 Tennessee Gas Transmission Company first mortgage pipeline bonds, 3 per cent series due September 1, 1970	25 250 00
\$12,000 American Telephone and Telegraph Company, 3¾ per cent, 25 year debenture bonds due December 1, 1973	12 870 00
500 shares Household Finance Corporation common stock	17 537 51

Sale:

\$1,000 U.S.A. 2 per cent Treasury Bonds, due June 15, 1954	1 005 94
\$1,000 U.S.A. 2 per cent Treasury Bonds, due September 15, 1953	1 004 06
\$52,000 U.S.A. 1¼ per cent Series E Treasury Notes due August 1, 1951	51 915 14
\$2,000 The Chicago Club debenture 2½ per cent bonds due January 1, 1965	2 000 00
\$10,000 U.S.A. 1¼ per cent Series B Treasury Notes due July 1, 1951	9 986 25

Securities Held Under Escrow Agreement

Exchange:

With the City of Chicago

\$49,000 U.S.A. Certificates of Indebtedness due January 1, 1951, for \$49,000 U.S.A. 1¼ per cent Treasury Notes, Series G, due November 1, 1951.

This report was received for record. Mr. Herrick suggested that consideration be given to selling the Household Finance Corporation

stock and reinvesting the proceeds in some other securities. This suggestion was referred by the President of the Board to the Finance Committee.

REPORT OF CHICAGO DEPARTMENTS COMMITTEE

Mr. Livingston presented the following report:

This report of the Chicago Committee of the Board is made for the purpose of bringing up to date developments in the matter of the Chicago Housing projects since February 12, 1951, at which time the Chicago Committee held a meeting; a report of that meeting is hereby filed with the Secretary of the Board for record.

As a result of this meeting, an offer was received from White Weld and Company representing a group of security dealers which offered financing either through the Medical Center Commission or the University. A joint offer was also received from F. S. Yantis and Company and the Milwaukee Company proposing a method of financing the project directly by the University.

The Legal Committee of the Medical Center Commission met at noon on Wednesday, February 14, 1951, and took action on the request transmitted to them by the Chicago Departments Committee of the Board of Trustees of the University. The Physical Plant Department has consulted with the contractors who were originally the lowest bidders on the projects as well as with the architects.

All proposals received offering to finance through the Medical Center Commission which were in the hands of the University at the time of the February 12 meeting of the Committee as well as the offers from White Weld and Company and the F. S. Yantis and Milwaukee Companies offering financing directly by the University and which were received prior to 12:00 noon Wednesday, February 14, have been examined and analyzed. The F. S. Yantis and Milwaukee Companies offer a method of financing directly by the University, the legality of which has been approved by Chapman and Cutler. This offer represents the lowest net interest cost for the financing at an effective interest rate of 2.703. The offer is an offer to furnish minimum funds of \$4,500,000 which can be extended to \$4,700,000, the additional funds to be furnished in a manner that will not materially affect the effective interest rate.

A formal report of the Medical Center Commission's actions has not been received, but informally the University has been notified by the President of the Commission that the Medical Center Commission stands ready to take the actions which the Chicago Departments Committee requested in its letter to the Medical Center Commission under date of February 13, 1951, a copy of which is hereby given to the Secretary of the Board for record.

Consultation between the Physical Plant Department and the contractors and architects indicates that it will be necessary for the University to take new bids for the construction of the buildings, and the Physical Plant Department has indicated that it believes this can be done by March 6.

Accordingly, the Chicago Departments Committee of the Board of Trustees recommends that the Board of Trustees:

- (1) Approve the sale of University of Illinois revenue bonds to the F. S. Yantis and Milwaukee Companies in accordance with their offer of February 12, 1951, contingent upon the receipt of bids indicating that the project can be completed within the funds offered or to be made available under the same conditions.

- (2) Instruct the Physical Plant Department to ask for new bids on the Housing Projects so as to determine the funds needed for the financing.

- (3) Authorize the Executive Committee of the Board of Trustees to award contracts for the construction of the buildings upon recommendation of the President of the University and the Chicago Departments Committee.

On motion of Mr. Livingston, this report was adopted and the Committee's recommendations were approved by the following vote: Aye, Mr. Herrick, Mr. Hickman, Mr. Livingston, Mr. McLaughlin, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Fornof, Mrs. Holt, Doctor Meyer, Mr. Nickell, Mr. Stevenson.

APPROVAL OF MINUTES

The Secretary presented the minutes of the meeting of December 28, 1950, press proof copies of which were sent to the Trustees in advance.

On motion of Mr. Livingston, these minutes were approved as printed on pages 481 to 514 inclusive.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) graduate fellows; (3) resignations; (4) leaves of absence; (5) degrees conferred February 11, 1951.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parenthesis is the date on which the appointment was made by the President of the University. Part-time appointments are shown by fractions after the name of the department. C = College; S = Station; E = Extension.)

- BATEMAN, HARRY P., Associate, Agricultural Engineering (S), eight months beginning January 1, 1951, \$4500 a year, supersedes (1-17-51).
- BIEGEL, ALBERT C., Instructor, Ophthalmology (Medicine) (42/100), eight months beginning January 1, 1951, \$2400 a year, and in studies under a United States Public Health Service Grant (43/100), six months beginning January 1, 1951, \$2400 a year, supersedes (2-8-51).
- BRADY, MRS. DOROTHY S., Research Professor, Economics (Bureau of Economic and Business Research) ($\frac{1}{2}$), six months beginning March 1, 1951, to render service during the second semester of the academic year, \$3900 a year (11-17-50).
- BRONFENBRENNER, MRS. JEAN A., Assistant Professor, Economics (Economics) ($\frac{1}{2}$) and (Bureau of Economic and Business Research) ($\frac{1}{2}$), February 1-June 15, 1951, to render service during the second semester of the academic year, \$2250, supersedes (1-31-51).
- CHERTACK, MELVIN M., Physician, Health Service (Chicago Professional Colleges) ($\frac{1}{2}$), eight months beginning January 1, 1951, \$3000 a year (2-8-51).
- CROUSE, HOMER L., Assistant, Management (Business Organization and Operation), February 1-June 15, 1951, to render service during the second semester of the academic year, \$1800, supersedes (2-6-51).
- DONALDSON, JANET G., Binding Assistant, Library, seven months beginning February 1, 1951, \$3000 a year, supersedes (2-2-51).
- DUTTON, W. EUGENE, Assistant Professor, Psychology, and Counselor, Student Counseling Bureau (Undergraduate Division in Chicago), seven months beginning February 1, 1951, \$5500 a year, supersedes (2-8-51).
- ECKMANN, BENO, Visiting Professor, Mathematics, September 1, 1951-January 15, 1952, \$3000 (1-6-51).
- ELSTNER, RICHARD C., Research Associate, Theoretical and Applied Mechanics (S) ($\frac{1}{2}$), February 1-June 15, 1951, \$175 a month, supersedes (1-22-51).
- FOX, HOWARD W., First Assistant, Forestry (S), eight months beginning January 1, 1951, \$4500 a year, supersedes (1-30-51).
- GARVIN, JOHN S., Instructor, Neurology (Neurology and Neurological Surgery) (Medicine) ($\frac{3}{4}$), eight months beginning January 1, 1951, \$3000 a year, supersedes (1-24-51).
- HALL, JAMES M., Clinical Assistant, Ophthalmology (Medicine), eight months beginning January 1, 1951, without salary (2-8-51).
- HAUG, ELSIE, Clinical Instructor, Psychiatry (Medicine), eight months beginning January 1, 1951, without salary, supersedes (2-2-51).
- HENRIOLLE, EUGENE L., Research Assistant, Physiology (Medicine), January 1-September 15, 1951, \$3000 a year (1-22-51).
- HILKER, GLORIA L., Assistant Professor, Hygiene, and Medical Adviser for Women (Undergraduate Division in Chicago) ($\frac{2}{3}$), six months beginning March 1, 1951, \$4665 a year, supersedes (1-22-51).
- JACOBS, LESTER, Instructor, Full and Removable Partial Dentures (Dentistry), seven months beginning February 1, 1951, \$4500 a year, supersedes (2-5-51).
- JACOBS, WILLIAM R., Clinical Assistant, Radiology (Rush) (Medicine), October 16, 1950-August 31, 1951, without salary (2-2-51).

- JOKELA, JALMER J., First Assistant, Forestry (S), five months beginning April 1, 1951, \$333.33 a month (2-8-51).
- JONES, EDWARD T., Clinical Assistant, Ophthalmology (Medicine), eight months beginning January 1, 1951, without salary (2-8-51).
- JUNI, ELLIOT, Instructor, Bacteriology, seven months beginning February 1, 1951, to render service during the second semester of the academic year, \$2250 (2-8-51).
- MARSHALL, PRENTICE H., Assistant, Business Law (Business Organization and Operation), February 1-June 15, 1951, to render service during the second semester of the academic year, \$266.66 a month, supersedes (2-5-51).
- MAURICE, CHARLES G., Instructor, Applied Materia Medica and Therapeutics (Dentistry) ($\frac{3}{5}$), January 17-August 31, 1951, \$3000 a year, supersedes (1-25-51).
- MCCARTHY, PHILIP R., Circulation Assistant, Library, February 5-August 31, 1951, \$3000 a year (2-5-51).
- McELROY, ALBERT D., Research Assistant, Chemistry (Graduate College), one year beginning February 16, 1951, \$4200 (1-25-51).
- NAGEL, EDITH L., Assistant Professor, Social Welfare Administration, one year beginning September 1, 1950, \$5870, supersedes (1-22-51).
- NELSON, DOROTHY P. M., Instructor, Hygiene (Health Service), six months beginning February 1, 1951, to render service during the second semester of the academic year, \$3400 a year (2-8-51).
- NEWMARK, NATHAN M., Research Professor, Structural Engineering (Civil Engineering) (C) ($\frac{1}{3}$) and (S) ($\frac{2}{3}$), indefinite tenure beginning February 1, 1951, to render service during each academic year, \$11,000 a year, supersedes (2-6-51).
- O'MEARA, THOMAS R., Research Associate, Electrical Engineering (S) ($\frac{1}{2}$), seven months beginning February 1, 1951, \$2280 a year, supersedes (2-2-51).
- OVADIA, JEHUDA, Research Assistant, Physics (C), five months beginning February 1, 1951, \$270 a month (1-25-51).
- PATON, KATHARINE B., Commerce and Sociology Library Assistant, seven months beginning February 1, 1951, \$3000 a year (2-5-51).
- PEASLEY, MARY P., Library Assistant, Undergraduate Library, seven months beginning February 1, 1951, \$3000 a year (2-2-51).
- PETERSON, FRANK L., Research Assistant, Physics (C), eight months beginning January 1, 1951, \$4080 a year, supersedes (1-22-51).
- PRACKY, JOHN A., JR., Instructor, Admitting Clinic ($\frac{1}{2}$) and Full and Removable Partial Dentures ($\frac{1}{2}$) (Dentistry), seven months beginning February 1, 1951, \$4000 a year, supersedes (2-5-51).
- PURNELL, ISABELLE S., Research Assistant, Bureau of Economic and Business Research, February 1-June 15, 1951, to render service during the second semester of the academic year, \$1600 (2-8-51).
- RIESEN, DONALD E., Research Assistant, Physics (C), eight months beginning January 1, 1951, \$3900 a year, supersedes (1-22-51).
- ROBBINS, MARGARET A., Assistant, Business Management Service, full time, five months beginning February 1, 1951, and ($\frac{1}{2}$), two months beginning July 1, 1951, \$3200 a year, supersedes (1-17-51).
- SALOOM, JOSEPH A., Research Associate, Electrical Engineering (C) ($\frac{1}{2}$), seven months beginning February 1, 1951, \$1980 a year, supersedes (1-22-51).
- SAUPE, DONALD C., Assistant, Floriculture (Horticulture) (S), seven months beginning February 1, 1951, \$3060 a year (2-5-51).
- SCHLESSINGER, NATHAN, Assistant, Psychiatry (Medicine), one year beginning July 1, 1950, without salary (2-8-51).
- SKOLNIK, EMANUEL M., Instructor, Otolaryngology (Medicine) ($\frac{1}{2}$), and Otolaryngologist to the Cleft Palate Program (Division of Services for Crippled Children) (3/10), one year beginning September 1, 1950, \$3660, supersedes (2-3-51).
- SPROAT, ROBERT A., Instructor, Civil Engineering (C) ($\frac{1}{2}$), six months beginning March 1, 1951, to render service during the second semester of the academic year, \$1700, supersedes (1-22-51).

- STEVENS, MARIETTA, Professor, Social Welfare Administration, indefinite tenure, and Director, Division of Social Welfare Administration, one year, beginning September 1, 1950, \$9625, supersedes (1-22-51).
- SWANSON, EARL R., Instructor, Agricultural Economics (C) ($\frac{1}{2}$), to render service during the second semester of the academic year, and (S) ($\frac{1}{2}$), seven months beginning February 1, 1951, \$4667 a year, supersedes (1-31-51).
- TUNG, TIE PAO, Research Assistant, Civil Engineering (S), seven months beginning February 1, 1951, \$3900 a year, supersedes (2-8-51).
- VEST, EUGENE B., Associate Professor, English, indefinite tenure, and Acting Chairman of the Division of Humanities (Undergraduate Division in Chicago), nine months, beginning December 1, 1950, to render service during each academic year, \$7000 a year, supersedes (1-22-51).
- VIEST, IVAN M., Research Associate, Theoretical and Applied Mechanics (S), seven months beginning February 1, 1951, \$4500 a year, supersedes (2-2-51).
- WIER, JOSEPH M., Research Assistant, Electronic Digital Computer (Graduate College), seven months beginning February 1, 1951, \$3960 a year, supersedes (1-24-51).
- WINTER, DEAN W., Assistant, Agricultural Engineering (S), seven months beginning February 1, 1951, \$3900 a year, supersedes (2-8-51).
- WOOD, EDWIN S., Assistant, Ophthalmology (Medicine), September 15, 1950-June 30, 1951, without salary (2-8-51).
- ZIMMERMAN, WILLIAM F., Research Assistant, Ceramic Engineering (S), seven months beginning February 1, 1951, \$3900 a year, supersedes (2-2-51).

GRADUATE FELLOWS

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

- COX, JOHN E., Lakefield Nepheline Syenite Fellow, Ceramic Engineering, February 1-June 15, 1951, and September 16, 1951-January 31, 1952, \$1400 (1-16-51).
- GODEJAHN, GORDON C., JR., Edward Orton Jr. Fellow, Ceramic Engineering, February 1-June 15, 1951, \$500 (1-16-51).
- TAYLOR, BABETTE, Postdoctoral Fellow, Bacteriology, two months beginning January 1, 1951, \$600 (1-16-51).

RESIGNATIONS

- AMBROSE, ROBERT H., Assistant, Surgery (Rush) (Medicine) — resignation effective 10-1-50.
- BERMAN, EDWARD J., Assistant, Surgery (Rush) (Medicine) — resignation effective 1-1-51.
- BOLAND, PATRICIA J., Research Assistant, Physics (C) — resignation effective 1-31-51.
- BRENNAN, LAWRENCE E., Research Associate, Electrical Engineering (S) — resignation effective 1-20-51.
- BURR, CORNELIA C., Instructor, Nursery School (Division of Special Services for War Veterans) — resignation effective 2-28-51.
- CHIANG, SHIH-NGANG, Fellow, Chemical Engineering — resignation effective 2-1-51.
- COLE, IRA W., Assistant to the Director of the School of Journalism and Communications, and Counselor, Student Counseling Bureau — resignation effective 3-1-51.
- COME, LOIS B., Research Assistant, Medicine (Medicine) — resignation effective 2-1-51.
- CONWAY, WILLIAM J., JR., Instructor, Civil Engineering (C) — resignation effective 1-1-51.
- CUSHMAN, JOHN R., Fellow, Mechanical Engineering — resignation effective 2-1-51.
- FAHEY, JOHN J., Associate Professor, Orthopaedic Surgery (Medicine) — resignation effective 2-1-51.
- FORREST, EARL A., JR., Bibliographer, with the rank of Instructor, in the Library — resignation effective 2-1-51.
- FUMI, FAUSTO G., Research Associate, Physics (Graduate College) — resignation effective 1-27-51.
- GIBSON, GLENN G., Clinical Instructor, Pediatrics (Medicine) — resignation effective 12-7-50.
- HACK, RUDOLF W., Assistant, Obstetrics and Gynecology (Medicine) — resignation effective 1-1-51.

- HALSEY, JAMES F., Research Assistant Professor, Fluid Mechanics (Theoretical and Applied Mechanics) (S) — resignation effective 2-15-51.
- HILL, BERNARD W., Instructor, Mechanical Engineering (C) — resignation effective 3-1-51.
- HILL, EDWARD J., JR., Clinical Assistant, Surgery (Medicine) — resignation effective 1-1-51.
- JACOBOWITZ, HERMAN, Fellow, Electrical Engineering — resignation effective 2-1-51.
- JOHNSON, FRANK R., Assistant, Surgery (Rush) (Medicine) — resignation effective 7-1-50.
- KIRK, SHERWOOD, Circulation Assistant, Library — resignation effective 2-5-51.
- KNOELL, JOHN D., JR., Instructor, Business Law (Business Organization and Operation) — resignation effective 3-1-51.
- KULP, DONALD A., Assistant, Forest Utilization (Forestry) (S) — resignation effective 2-28-51.
- MASSIE, GLEN E., Assistant, Forestry (S) — resignation effective 2-28-51.
- MCDUGAL, THOMAS C., Clinical Assistant, Obstetrics and Gynecology (Medicine) — resignation effective 9-1-50.
- McLAUGHLIN, JOHN R., Assistant, Obstetrics and Gynecology (Medicine) — resignation effective 1-1-51.
- MORTLAND, MAX M., First Assistant, Soil Physics (Agronomy) (S) — resignation effective 3-1-51.
- NEWELL, GORDON F., Postdoctoral Fellow, Physics — resignation effective 1-15-51.
- PETERSON, FRANK L., Research Assistant, Physics (C) — resignation effective 1-31-51.
- PLACEK, CHESTER, Research Assistant, Physiology (Medicine) — resignation effective 1-20-51.
- POLK, IRL H., Supervising Engineer, Institute of Aviation — resignation effective 2-1-51.
- RIEGER, IRWIN T., Instructor, Urology (Rush) (Medicine) — resignation effective 11-1-50.
- RIESEN, DONALD E., Research Assistant, Physics (C) — resignation effective 1-31-51.
- SANDSTROM, GLENN A., Assistant, English — resignation effective 2-1-51.
- SCHROEDER, MRS. PATRICIA B., Research Assistant, Chemistry (Graduate College) — resignation effective 2-15-51.
- SCOTT, MERRILL B., Fellow, Physics — resignation effective 2-1-51.
- SHUTTLEWORTH, ROY, Research Associate, Physics (C) — resignation effective 2-10-51.
- STIKA, EDWARD A., Assistant, Surgery (Rush) (Medicine) — resignation effective 1-1-51.
- STONE, PHILIP I., Instructor, Mechanical Engineering (C) — resignation effective 2-28-51.
- TOMLINSON, MARY E., Catalog Librarian, with the rank of Instructor (Undergraduate Division in Chicago) — resignation effective 3-15-51.
- TOPPING, ALANSON D., Instructor, Theoretical and Applied Mechanics (C) — resignation effective 3-1-51.
- TUCKER, JOHN L., Instructor, Labor and Industrial Relations (University Extension) and (Institute of Labor and Industrial Relations) — resignation effective 3-1-51.
- WALLING, MARY LOU, Research Assistant, Bureau of Economic and Business Research — resignation effective 2-15-51.
- WARZAK, BERNARD J., Instructor, Admitting Clinic (Dentistry) — resignation effective 1-1-51.
- WEISS, KENNETH S., Assistant, Surgery (Medicine) — resignation effective 1-1-51.
- WOOD, MRS. CORDILL H., Instructor, Mental Hygiene, and Clinical Psychotherapist (Health Service) — resignation effective 2-1-51.

LEAVES OF ABSENCE

- CALLOWAY, NATHANIEL O., Clinical Assistant Professor, Medicine (Medicine) — leave of absence, without salary, February 16, 1951, and continuing until the end of the academic year, or until prior release from the Army.

- DALLENBACH, FREDERICK D., Assistant, Pathology (Medicine) — leave of absence, without salary, December 31, 1950-June 30, 1951, for military service.
- DANGERFIELD, ROYDEN, Professor, Political Science, and Director, Institute of Government and Public Affairs — leave of absence, without salary, January 22-February 10, 1951, for special services to the ECA.
- DAWN, C. ERNEST, Instructor, History — leave of absence, without salary, March 1-August 31, 1951, for military service.
- DEMERS, EDWARD F., Assistant Professor, Electrical Engineering (C) — leave of absence, without salary, March 1-August 31, 1951, for development work on an electronic device related to national defense.
- FALLS, JOHN L., Assistant, Obstetrics and Gynecology (Medicine) — leave of absence, without salary, October 1, 1951, for military service.
- HOWARD, H. CARLTON, Assistant, Ophthalmology (Medicine) — leave of absence, without salary, November 1, 1950, and continuing until the end of the academic year, or until prior release from the Army.
- LAWSON, LAWRENCE J., JR., Assistant, Ophthalmology (Medicine) — leave of absence, without salary, December 1, 1950-August 31, 1951, for military service.
- LEWIS, GEORGE K., Clinical Assistant Professor, Otolaryngology (Medicine) — leave of absence, without salary, September 15, 1950-August 31, 1951, for military service.
- MARCUS, E. ELIZABETH PAINTER, Assistant Professor, Physiology (Medicine) — leave of absence, with salary, March 11-April 30, 1951.
- NORDSIECK, ARNOLD T., Professor, Physics (C) — leave of absence, without salary, March 1-August 31, 1951, for the purpose of joining a U. S. Navy project at the Marine Physical Laboratory, San Diego, California.
- OTTERSON, PEDER A., Assistant, Institute of Aviation — leave of absence, with salary, January 26-February 9, 1951, for mobilization training at Chanute Field.
- TANNER, MACK C., Instructor, Operative Dentistry (Dentistry) — leave of absence, without salary, February 1, 1951, and continuing until the end of the academic year, or until prior release from the Army.
- VAN CLEAVE, HARLEY J., Research Professor, Zoology — leave of absence, with salary, January 1-February 11, 1951, because of illness.
- WITTER, RALPH E., Assistant Professor, Veterinary Clinical Medicine (Veterinary Medicine) — leave of absence, with salary, three months beginning February 1, 1951, due to illness.
- WOOD, WILLIS A., Assistant Professor, Dairy Bacteriology (Dairy Science) (C & S) — leave of absence, with salary, two months beginning June 15, 1951, for study at the Brookhaven National Laboratories, Upton, New York.

DEGREES CONFERRED FEBRUARY 11, 1951

Summary

Degrees in the Graduate College:

Doctor of Philosophy.....	43
Doctor of Education.....	1
Master of Education.....	3
Master of Social Work.....	2
Master of Arts.....	75
Master of Science.....	242
Master of Fine Arts.....	3
Master of Music.....	1
<i>Total, Graduate College.....</i>	<i>(370)</i>

Degrees in Law:

Bachelor of Science.....	7
Bachelor of Laws.....	19
Doctor of Law.....	4
<i>Total, Law.....</i>	<i>(30)</i>

Baccalaureate Degrees:

Bachelor of Science, College of Agriculture	112
Bachelor of Science, College of Engineering	328
Bachelor of Arts, College of Liberal Arts and Sciences	130
Bachelor of Science, College of Liberal Arts and Sciences	128
Bachelor of Science, Library School	2
Bachelor of Science, College of Education	61
Bachelor of Science, College of Commerce and Business Administration	158
Bachelor of Science, School of Journalism and Communications	35
Bachelor of Science, College of Fine and Applied Arts	75
Bachelor of Fine Arts, College of Fine and Applied Arts	18
Bachelor of Music, College of Fine and Applied Arts	4
Bachelor of Science, School of Physical Education	27
Bachelor of Science, Division of Special Services for War Veterans	141
<i>Total, Baccalaureate Degrees</i>	<i>(1,219)</i>
<i>Total, Degrees Conferred</i>	<i>1,619</i>

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Agricultural Economics

WARREN EUGENE COLLINS, B.S., Western Kentucky State Teachers College, 1947; M.S., 1948

In Animal Science

JAMES EDWARD CORBIN, B.S., M.S., University of Kentucky, 1943, 1947
FRED ALBERT DOBBINS, B.S., Virginia Polytechnic Institute, 1937; M.S., Iowa State College, 1939

In Bacteriology

HERBERT MORITZ HIRSCH, B.S., M.S., 1947, 1949
HALLECK BURKETT WARREN, JR., B.S., St. Louis University, 1943; M.S., 1949

In Chemistry

EDWARD FAITH ELSLAGER, B.S., James Millikin University, 1947; M.S., 1948
KARL FREDRICH HEUMANN, B.S., M.S., Iowa State College, 1942, 1943
CHARLES JOHN HOFFMAN, B.S., Case School of Applied Science, 1942; M.S., 1948
RAYMOND HARDING MATTSON, B.S., University of Michigan, 1943
MACK HAROLD MCCORMICK, B.S., University of Kansas, 1948
JANET BROOKS PETERSON, B.S., University of Michigan, 1945; A.M., 1948
EDWARD FRANCIS CHARLES RIENER, B.S., Ursinus College, 1947; M.S., 1948

In Civil Engineering

TUNG AU, B.S., St. John's University, 1943; M.S., 1948
PING-CHUN WANG, B.S., National Central University, 1943; M.S., 1948
CHIH-FANG WEI, B.S., St. John's University, 1945; M.S., 1948

In Economics

WILLIAM RALBERT BENNETT, A.B., Birmingham-Southern College, 1939; M.B.A., Louisiana State University, 1947
THOMAS CLINTON COBB, B.S., 1941; M.S., Miami University, 1947
JAMES ROBERT MADDOX, B.S., A.M., 1942, 1943
JAMES PRESTON PAYNE, JR., A.B., William Jewell College, 1942; A.M., Oklahoma Agricultural and Mechanical College, 1948

In Education

ARTHUR JOHN HOEHN, B.S., M.S., 1940, 1947

In Electrical Engineering

LAWRENCE EDWARD BRENNAN, B.S., M.S., 1948, 1949
YATES MICHEL HILL, B.S., United States Military Academy, 1942; M.S., 1949

HENRY PETER MESSINGER, B.S., Oklahoma Agricultural and Mechanical College, 1943; M.S., Illinois Institute of Technology, 1946
 HUNG SHIH WU, B.S., National Central University, 1942; M.S., University of Michigan, 1946

In English

CONSTANCE NICHOLAS, A.B., Carthage College, 1935; A.M., 1936

In Entomology

MURRAY IRVING COOPER, B.S., Cornell University, 1947; M.S., 1949
 EDWIN WALLACE KING, JR., B.S., University of Massachusetts, 1941; M.S., Virginia Polytechnic Institute, 1947
 SIEGFRIED ERIC LIENK, B.S., University of Idaho, 1942; M.S., 1947

In History

GILBERT CHARLES KOHLENBERG, A.B., Shurtleff College, 1940; A.M., Washington University, 1942
 LORAIN BEATRICE PABST, B.S., Eastern Illinois State College, 1945; A.M., 1948
 ROBERT COPLIN PUGH, A.B., Eureka College, 1940; A.M., 1941

In Horticulture

MAHMOUD ABDEL RAOUF TAYEL, B.S., Fouad I University, 1938; M.S., 1949

In Mechanical Engineering

GANPAT JAIWANTRAO KAMAT, B.S., University of Calcutta, 1943; B.Eng., University of Bombay, 1946; M.S., 1949

In Metallurgical Engineering

STANLEY LYALL CHANNON, B.Met.E., University of Melbourne, 1944; M.S., University of Utah, 1948

In Physico-Chemical Biology

HARRY CHARLES EHRLMANTRAUT, B.S., George Washington University, 1947; M.S., Georgetown University, 1948

In Physics

LAWRENCE HERMAN LANZL, B.S., Northwestern University, 1943; M.S., 1947
 RICHARD EDWIN NORBERG, A.B., DePauw University, 1943; A.M., 1947
 ALBERT JACKSON SAUR, B.S., Michigan State College, 1944; M.S., 1947
 MERRILL BLOOD SCOTT, B.S., M.S., 1946, 1949
 CHARLES JOEL TAYLOR, JR., B.S., M.S., 1940, 1947

In Psychology

ANTHONY ROBERT HYBL, B.S., M.S., 1946, 1948

In Theoretical and Applied Mechanics

CEVDET ALI ERZEN, B.S., M.S., 1941, 1942
 ALANSON DALE TOPPING, B.S., Purdue University, 1940; M.S., Missouri School of Mines, 1947

Degree of Doctor of Education

VERNON LOYAL REPLOGLE, B.S., M.S., 1929, 1934

Professional Degrees

Degree of Master of Education

KENNETH WILBUR ALLEN, B.Ed., Illinois State Normal University, 1937; M.S., 1946
 WILLIAM DAVID MASTERS, B.S., M.S., 1939, 1949
 RUTH MARIE PETERS, B.S., M.S., 1943, 1947

Degree of Master of Social Work

WALTER ROWLAND DELAMARTER, A.B., Greenville College, 1948
 ZELMA JUSTUS JOHNSON, B.S., Bradley University, 1930; A.M., Columbia University, 1936

Degree of Master of Arts

In Chemistry

WILLIAM GLADSTONE ROBINSON, JR., A.B., Vanderbilt University, 1949

In Economics

KUO-SUI CHANG, B.S., Great China University, 1947; M.S., 1950

MARY McLAUGHLIN GREEN, A.B., 1948

In Education

THOMAS JAMES BROWN, B.S., 1950

PHILIP DALE BUKER, A.B., Illinois Wesleyan University, 1942

JAMES WEIR MARTIN CAMPBELL, A.B., 1949

ROSE THELMA DAVIS, B.Ed., Western Illinois State College, 1939

DONALD CAMERON DuLANEY, B.S., 1949

RENEE BRICKNER FEINMAN, B.S., 1947

EDNA LEVINE GLASS, B.S., University of North Carolina, 1939

RICHARD TRUMAN HASELTON, B.S., Northern Illinois State Teachers College, 1946

ALVIN FLOYD HILL, B.S., 1937

GLORIA SWANSON HOUSTON, A.B., Lincoln University, 1943

JEANNE DOLORES KOFOED, A.B., 1946

AUGUST NELSON MADSEN, B.Ed., Illinois State Normal University, 1939

JAMES EDWARD MARTIN, A.B., 1949

MARY EMILY MINGER, A.B., Stowe Teachers College, 1945

MAX RUTTAN PANNEBAKER, B.Ed., Illinois State Normal University, 1946

LEONARD DAVID PARRISH, JR., A.B., Knox College, 1943

OLA MAE PERRY, A.B., Greenville College, 1945

VISTA GREENWOOD ROBERTS, A.B., Stowe Teachers College, 1932

SADIE LEAVERTON SABINE, B.S., Columbia University, 1931

EDWARD SCHWARTZ, JR., B.Ed., Eastern Illinois State College, 1941

DORIS WILHELMINA SHAVERS, A.B., Stowe Teachers College, 1948

RAYMOND EDDY TEMPLE, A.B., Illinois Wesleyan University, 1940

ASSUNTA TEODORI, B.Ed., Illinois State Normal University, 1937

HUBERT ALLAN TRIMBLE, A.B., Greenville College, 1948

BERNICE MARGARET WAGNER, A.B., James Millikin University, 1943

JAMES EDWIN WALTZ, JR., A.B., Illinois Wesleyan University, 1948

GRACE FLORETTA WATKINS, A.B., Wiley College, 1948

In English

JOHN EDWARD BELLAMY, A.B., Indiana State Teachers College, 1948

LEON ALBERT GOTTFRIED, A.B., 1948

PAUL EGIDIUS GRABILL, A.B., 1949

EDWARD JOHN HANSEN, B.S., 1950

ALLEN HAYMAN, A.B., Syracuse University, 1948

FORREST EARL HAZARD, A.B., 1948

FREDERICK DANIEL HIGHLAND, A.B., 1948

SIDNEY PHIL MOSS, B.S., 1950

DAVID RUDOLPH, B.S.S., College of the City of New York, 1938

BEVERLY ROSE SIMEK, A.B., University of Chicago, 1948

CLEM GEORGE WIEDMAN, B.S., Southern Illinois University, 1948

JOSEPH WENDELL ZIMMERMAN, B.S., M.S., 1948, 1949

In French

THOMAS EDWIN COMFORT, A.B., Northwestern University, 1943

In History

EDWARD BIENIECKI, B.S., 1949

ROBERT FINN ERICKSON, A.B., Cornell University, 1948

FRANK MAYO HODGSON, B.S., Southern Illinois University, 1949

VIRGINIA RUTH LaMANDIN, A.B., 1945

RALPH FILLMORE SMITH, A.B., Illinois College, 1948

WAYNE CALHOUN TEMPLE, A.B., 1949

In Labor and Industrial Relations

ROGER EDWIN HERLEAN, A.B., Knox College, 1949
 MELVIN HUMPHREY, B.S., 1948
 RAM NARAYAN RAO, B.S., University of Calcutta, 1936
 FLOYD ALVADA TURNER, B.S., University of Tulsa, 1949

In Mathematics

THOMAS BLANEY ELFE, JR., B.S., Georgia School of Technology, 1948; M.S., 1950
 JOSEPH HASHISAKI, A.B., University of Montana, 1940
 JOHN EDWARD HEISLER, JR., A.B., Miami University, 1949
 DONALD GORDON HIGMAN, A.B., University of British Columbia, 1949
 ROBERT LEFKER, B.S., 1950
 FRANK SALVATORE SCALORA, A.B., Harvard College, 1949

In Political Science

BETTY JANE DONNELL, A.B., George Washington University, 1945
 WILLIAM SPENCER HARDENBERGH, A.B., 1950
 HENRY H. JANSSEN, A.B., Central Wesleyan College, 1909; B.Ed., Illinois Normal University, 1910
 RUTH MINER, A.B., Knox College, 1949
 THOMAS EDWARD RICE, B.S., 1947
 EDWARD SHOU-TSU SU, LL.B., National Anhwei University, 1943; A.B., Fresno State College, 1950

In Psychology

CHESTER CHARLES COLLINS, Ph.B., Northwestern University, 1949
 GLADYS BLONSTEIN DANA, A.B., University of California, 1947
 JOHN HENRY DEMICHELE, B.S., 1948
 ELIZABETH ANN SEELY, A.B., 1949
 RICHARD EUGENE WIENKE, B.S., 1949

In Social Sciences

CHARLES NOAH CHERRY, A.B., 1949

In Sociology

JOHN WENDELL WALTON, B.S., Black Hills Teachers College, 1940

In Spanish

FRANCES ELAINE WINSTEAD GEORGE, A.B., 1948

In Speech

WALTER HEADEN DRAPER, A.B., 1937

In the Teaching of Social Studies

MILDRED DAVIS, A.B., Roosevelt College, 1949

Degree of Master of Science*In Accountancy*

HERBERT WARREN ALLEN, B.S., 1950
 AMATO FRANK BASILE, A.B., Pennsylvania State College, 1949

In Aeronautical Engineering

HERBERT FRANCIS BROWN, B.S., 1949
 HAROLD EDWARD FROEHLICH, B.S., University of Washington, 1946, 1949

In Agricultural Economics

GEOFFREY ARTHUR HISCOCKS, B.S., Reading University, 1946
 AUSTIN ELWOOD IDLEMAN, B.S., Eastern Illinois State College, 1949; B.S., 1950

In Agronomy

- WILLIAM ROBERT FORTNEY, B.S., 1949
WILLIAM EZEKIEL HUBER, B.S., 1950
KENNETH WAYNE MONTGOMERY, B.S., University of Michigan, 1949
JOHN WRYAS PENDLETON, B.S., University of Tennessee, 1948
MARVIN LODELL VINEYARD, B.S., 1950

In Animal Nutrition

- VENKATA CHALAM METTA, A.B., Nizam College, 1944; B.S., Madras Agricultural College, 1947
HARUO TSURU, B.Agt., Tokyo University, 1946

In Animal Science

- PAUL CHARLES OSTBY, B.S., 1950

In Architectural Engineering

- LONNIE OLLIE ADKINS, JR., B.S., Hampton Institute, 1948
MILTON BENJAMIN CURRY, B.S., Hampton Institute, 1947

In Architecture

- HERMON SYLVESTER DAVIS, JR., B.S., Hampton Institute, 1947
MARVIN MORTON MEYER, B.S., 1950
CHING-HSIAN WEI TSAI, B.S., National Central University, 1940

In Astronomy

- DAVID SUTPHIN HEESCHEN, B.S., 1949

In Bacteriology

- ARTHUR TETSUO YAHIRO, A.B., 1949
JOHN ALBERT YEATMAN, JR., B.S., 1942

In the Biological Sciences

- ANTHONY NUSBAUMER, B.S., Oregon State College, 1949
HELEN MARIE ROBACK, B.S., Clarion State Teachers College, 1943
BURTON ZEIGER, A.B., New York University, 1949

In Ceramic Engineering

- JOHN EDWARD COX, B.S., 1950
CHI FANG TUNG, B.S., National Tang-Shan Engineering College, 1947

In Ceramics

- MAYNARD PAUL BAULEKE, B.S., University of Alabama, 1949

In Chemical Engineering

- SHIH-NGANG CHIANG, B.S., National Wu-han University, 1944; M.S., 1949
RICHARD BURTON CUDDEBACK, B.S., University of Rochester, 1949
JAMES ELI KNAP, B.S., University of Colorado, 1949
JOHN ARTHUR PARKER, B.Ch.E., University of Virginia, 1949
RAYMOND JOHN PIKNA, B.S., 1949
ARNOLD PAUL SCHUELER, B.S., University of Delaware, 1948
DUANE RICHARD SKIDMORE, B.S., University of North Dakota, 1949

In Chemistry

- LAWRENCE HAROLD BROWN, A.B., Augustana College, 1948
JOHN PRESTON BULLARD, JR., B.S., 1949
JOHN VICTOR CLARKE, JR., B.S., Polytechnic Institute of Brooklyn, 1949
EUGENE EARL DEKKER, A.B., Calvin College, 1949
FRANK VERNON FAIR, B.S., Pennsylvania State College, 1949
JAMES EDWARD GINDLER, B.S., Eastern Illinois State College, 1950

DONALD RUSSELL HILL, B.S., Monmouth College, 1947
MARY LOU KILLEY, B.S., College of St. Francis, 1949
OWEN JOHN KOEPPE, A.B., Hope College, 1949
ROBERT EDWARD LANGAN, B.S., St. Ambrose College, 1949
DONALD WHELOCK LIERLE, B.S., Quincy College, 1949
JAMES DONALD O'ROURKE, A.B., University of Nebraska, 1950
ROBERT ALLEN OSTERYOUNG, B.S., Ohio University, 1949
EMILE DESIRE PIERRON, B.S., M.S., Algiers University, 1939, 1946
ARTHUR ALLAN SMUCKER, A.B., Goshen College, 1949
MERLE LESLIE WINTERS, B.S., Northern Illinois State Teachers College, 1949
DALE EARL WOERNER, B.S., Kansas State College, 1949

In City Planning

FREDERICK HENRI KAZLO, B.S., 1949

In Civil Engineering

ARTHUR CRESPO ANDREWS, JR., B.S., 1950
WILLIAM KOHL BECKER, B.S., Washington University, 1949
DAVID ALLEN DAY, B.C.E., Cornell University, 1945
SAMUEL JOSEPH ERRERA, B.S., Rutgers University, 1949
TAKASHI NAKAMURA, B.S., Michigan State College, 1949
EMIN MEHMET OZGOR, B.S., 1949. (Degree awarded posthumously.)
RICHARD HSIEN FENG PAO, B.S., St. John's University, 1949
THOMAS JOHN REGAN, JR., B.C.E., Syracuse University, 1948
STANLEY RODIN, B.S., Northampton Engineering College, 1944
SABRI SAMI, B.S., Fouad I University, 1943
ROBERT ALFRED SPROAT, B.S., 1944
SERGIO LUIS TELLO, Civil Engineer, Central University, 1948
ALVARO MATALLANA TRUJILLO, B.S., Universidad Nacional de Colombia, 1948

In Clinical Psychology

RICHARD HENRY DANA, III, A.B., Princeton University, 1949
GEORGE WILLIAM FAIRWEATHER, B.S., Iowa State College, 1949
MARY PATRICIA GOULD, A.B., University of Wisconsin, 1943
GEORGIA ANN PAPPAS, A.B., DePauw University, 1949
JEANNE ALICE POSLUSNY, A.B., University of Colorado, 1949
IRVING SCHNAYER, A.B., Roosevelt College, 1948

In Dairy Science

ARI VANTIENHOVEN, Landbouwkundig Ingenieur, Landbouwhoogeschool Te Wageningen, 1949

In Dairy Technology

DONALD ROY MOORE, B.S., Michigan State College, 1949

In Economics

PAUL PETER BATTISTONI, JR., B.S., 1950

In Education

FERREL BARLOW ALLEN, B.S., 1947
THEODORE EUGENE ANDERSON, JR., B.S., 1950
JAMES ROSCOE BRIDGES, B.S., 1941
EDWARD STANLEY BROWN, B.S., 1949
JOHN OLIVER CEDARBURG, B.S., 1950
JAMES RUSSELL CHANGNON, B.S., 1947
CHARLES EDWARD CHAPPELEAR, B.S., Indiana State Teachers College, 1932
COLLEEN WILLIAMS COOK, A.B., Stowe Teachers College, 1948
EVERETT RONALD COON, B.Ed., Southern Illinois University, 1947
VERLE EDWIN DAVID, B.Ed., Illinois State Normal University, 1939
LUELLA MCCALL DAVIS, B.Ed., Southern Illinois University, 1938

CLARENCE VERNON DICKEY, B.S., 1948
 CHARLES RONALD ENDRESS, B.S., 1949
 OHREN NELSON FILE, B.S., Greenville College, 1939
 EDWIN ALWORTH GADDIS, B.S., University of Missouri, 1947
 OREN FRANCIS GILLESPIE, B.Ed., Southern Illinois University, 1937
 ARMSTEAD BETRAND GREEN, B.S., Lincoln University, 1932
 MYRON DELBERT GREEN, B.S., 1935
 WALSER EUGENE HARMS, B.Ed., Eastern Illinois State College, 1940
 ERNESTYNE HOLLAND HARRISON, B.S., 1949
 JOHN HERMAN HERBST, B.S., 1942
 WILLIAM RUSSELL HORNBAKER, B.S., 1950
 DALE EVERETT HORTIN, A.B., McKendree College, 1939
 ALBERTA PAULINE JOHNSON, B.S., Southern Illinois University, 1945
 DEAN FRANKLIN JOHNSON, B.S., 1949
 MARJORIE MAXINE JOHNSON, B.S., Illinois State Normal University, 1945
 GENEVA MILLARD JONES, A.B., MacMurray College for Women, 1933
 HUGH EARL JONES, B.S., Indiana State Teachers College, 1947
 BETTE RABITO JUNGELS, B.S., Northern Illinois State Teachers College, 1947
 FRANK WILLIAM KIMPLING, JR., B.S., 1950
 LAWRENCE ROBERT LAROCHE, B.S., Worcester Polytechnic Institute, 1934
 BERYL BROOKS LECOUNT, B.S., Eastern Illinois State College, 1947
 JAMES LESTER LEMING, B.S., 1947
 MILTON FRANCIS LEMMONS, B.S., Lincoln University, 1946
 SYLVESTER LONG, B.Ed., Illinois State Normal University, 1940
 FRANK TAYLOR LYERSON, B.S., Lincoln University, 1936
 JOHN A. MARR, B.Ed., Western Illinois State College, 1943
 EDWIN KEITH MCGUIRE, B.S., 1937
 MARSHALL OLIN MCMULLIN, B.S., 1930
 RACHEL NAOMI MEANS, B.S., 1939
 AUGUST LYNN OLSON, A.B., 1950
 THOMAS HEEBNER PERRY, B.S., Greenville College, 1948
 PAUL BRADFORD PHINNEY, B.S., 1948
 PIERCE OWEN PICKENS, B.S., 1949
 DONALD ROBERT PINDER, B.S., Illinois State Normal University, 1946
 OWEN ERNEST PITTENGER, B.S., George Williams College, 1949
 FRED ALBERT RIDDLE, B.S., University of Missouri, 1946
 JOHN DALE ROBERTS, B.S., James Millikin University, 1933
 ESTELLE MARIE SCHOLL, B.Ed., Illinois State Normal University, 1942
 WARREN STEWART SIMPSON, B.S., Southern Illinois University, 1947
 ELBERT LOWELL SONGER, B.Ed., Southern Illinois University, 1941
 ROBERT LEE STRANGE, B.S., 1950
 RICHARD FRANCIS TONIGAN, B.S., 1950
 FLORENCE CATHERINE VENTLER, B.Ed., Illinois State Normal University, 1940
 MARION AMERICO VERTON, B.S., 1942
 WILLIS HENRY WEBER, B.S., Eastern Illinois State College, 1948

In Electrical Engineering

EL-SAYED MOHAMED MUNIR AZZOUZ, B.S., Fouad I University, 1947
 JOSEPH ANTON BARKSON, B.S., University of Michigan, 1925
 KENNETH ROBERT BRUNN, B.S., 1949
 ROGER WILLIAM BURTNES, B.S., 1946; A.B., St. Olaf College, 1947
 RAYMOND CLAIRE DELICATH, B.S., 1948
 EDWARD FRANCIS DEMERS, B.S., 1942
 FLOYD DUNN, B.S., 1949
 VERNON LODGE LARROWE, B.S., University of Kansas, 1950
 SOL MANN, B.S., 1950
 IRVIN ROBERTS MCCLINTOCK, B.S., 1949
 FRANK MARTIN PELTESON, B.E.E., Ohio State University, 1949
 VIRGAL LEONARD SCHAD, JR., B.S., 1950
 RALPH EDWIN WESTERN, B.S., South Dakota State College, 1949

In Entomology

ROSS TAYLOR BELL, A.B., 1949
ABDEL-LATIF AMIN EL-DEEB, B.S., Fouad I University, 1937
NORMAN GANNON, B.S., 1949
WILLIAM HENRY LUCKMANN, B.S., University of Missouri, 1949
SHIRLEY SHERMAN STATLER, B.S., Iowa Wesleyan College, 1949

In Geography

HENRY EUGENE NOWICKI, B.S., 1949
GEORGE ALFRED RHEUMER, A.B., University of British Columbia, 1948
DONALD LEE WILLS, B.S., 1949

In Geology

DONALD CARL BALDWIN, B.S., 1949
JACK DOLPH FOSTER, B.S., Missouri School of Mines, 1949

In Home Economics

HELEN MARIE HAWTHORNE, B.S., 1947

In Home Economics Education

MARIETTA McDONALD DIERSTEIN, B.S., 1950
ELISE AUGUSTA KIESEL, B.S., Iowa State College, 1946
EVELYN IRENE ROUNER, A.B., University of Iowa, 1945

In Horticulture

KENNETH EDWIN BELL, B.S., Kansas State College, 1949
VIVIAN MARY OSTBOE, B.S., 1949

In Journalism

CURTIS ROBERT BURAU, B.S., 1949
HELEN NADINE HINCHMAN, B.S., A.B., Miami University, 1948, 1950
MARY ANGELA MCCLORY, A.B., St. Mary-of-the-Woods College, 1939

In Library Science

VIVIAN MARIE BALLEW, B.S., Missouri State College for Women, 1949
HENRY LEWIS BUZZARD, A.B., Wabash College, 1946; A.M., Clark University, 1949
ANNA ELIZABETH CASH, A.B., University of Richmond (Virginia), 1928
RAYMOND GUSTAVE ERBES, JR., B.S., 1948
RAY ELIJAH HOWSER, A.B., 1949
JAMES LAWRENCE JONES, B.S., University of Wisconsin, 1949
KATHRYN LOUISE LUTHER, A.B., B.S.(L.S.), 1944, 1948
PHILIP RAYMOND MCCARTHY, B.S., St. Thomas College, 1948
SARAH MARGARET MORAN, A.B., Northwestern University, 1930; B.S.(L.S.), 1943
THELMA KEOGH O'DONNELL, B.S., University of Minnesota, 1940
ANN KATHRYN OLLER, A.B., Juniata College, 1938; B.S.(L.S.), Drexel Institute of Technology, 1939
MARY PATRICIA PEASLEY, A.B., Monmouth College, 1949
RONALD LEON ROBERTS, B.Mus., Illinois Wesleyan University, 1936; B.S., 1942
CHARLES CONWAY THARP, B.S., Southwestern Missouri State College, 1948
MARIAN ELIZABETH YOUNG, B.S., Purdue University, 1948

In Management

THOMAS WILLIAM ARMESY, B.S., University of Akron, 1950
HOMER LEE CROUSE, B.S., 1948
MAURICE DEAN OTT, B.S., 1950
FREDERICK PRESCOTT SEYMOUR, JR., B.S., Cornell University, 1948

In Marketing

JEROME THEODORE HANKIN, B.S., 1950
RICHARD SNYDER, B.S., 1947

In Mathematics

HAROLD ANTHONY BOHNEBERG, B.S., 1948
EDWARD RALPH BOWER, B.S., M.S., 1945, 1947
JOHN CLETUS MCATEE, B.S., 1950
ROBERT WESLEY SLOAN, B.S., United States Naval Academy, 1946
HERBERT SOLOMON WOLF, B.S., 1949

In Mechanical Engineering

FARUK ZIHNI AKYOL, B.S., University of Tennessee, 1949
JAMES WILMER BAYNE, B.S., 1946
MOHAMED ALAELDIN EL-HIFNI, B.S., Farouk I University, 1948
HSIEH-SEN (SHENG) FAN, B.S., Central University, 1938
ALFRED EDWARD NOREEN, B.S., University of Washington, 1945
BERNARD ALFRED PESKIN, B.S., 1949
CHARLES RICHARD REMKE, B.S., 1947

In Metallurgical Engineering

ROY MATTHEW BRODNICK, B.S., 1949
FRANK COUSINS PERKINS, B.S., 1949
HARRISON CLEAVELAND TURNER, B.S., 1949

In Music Education

RUSSEL ALTON CRIDER, B.S., Lincoln University, 1950
WILLIE RAY SMITH, JR., B.S., Lincoln University, 1950
WILLIS EMMETTE SMITH, B.Ed., Northern Illinois State Teachers College, 1938;
B.Mus., Illinois Wesleyan University, 1944
ARTHUR STANLEY WASIK, B.S., DePaul University, 1949

In Physics

JOSEPH FELIX ASCHNER, B.S., University of Chicago, 1943
JOHN PATRICK BARRY, B.S., Fordham University, 1949
DANIEL NEWSON BESHERS, B.S., Swarthmore College, 1949
HENRY VICTOR BOHM, A.B., Harvard University, 1950
JOHN CHARLES BUCHTA, A.B., University of Minnesota, 1949
MARCIA ALDEN DOOLITTLE, A.B., Mt. Holyoke College, 1949
ARTHUR EBERSTEIN, B.S., Illinois Institute of Technology, 1950
PAUL DONALD EDWARDS, A.B., Hastings College, 1949
JAMES ELROY LEISS, B.S., Case Institute of Technology, 1949
JOHN HOLMES MALMBERG, B.S., Illinois State Normal University, 1949
MARILYN HOOPES McKEOWN, A.B., Wellesley University, 1947
ERVIN LEONARD PIPER, B.S., Case Institute of Technology, 1949
CLARENCE ARTHUR POXON, B.S., University of Houston, 1947
ROBERT ALAN REITZ, B.S., Case Institute of Technology, 1949
JACK ROSEN, B.S., University of Chicago, 1949
FREDA FRIEDMAN SALZMAN, A.B., Brooklyn College, 1949
GEORGE SALZMAN, B.S., Brooklyn College, 1949
FRANK SCHROEDER, JR., B.S., 1949
GORDON ALEXANDER SHIFRIN, B.S., University of Wisconsin, 1945
WILLIAM THOMAS STRATTON, JR., B.S., University of Chicago, 1949
KENNETH JAMES TEEGARDEN, A.B., B.S., University of Chicago, 1947, 1950
WILLIS ORIE UNRUH, B.S., Kansas State College, 1949

In Physiology

MARVIN HERBERT GOLDBLATT, B.S., 1949
IRA JAY LIGHTON, Ph.B., University of Chicago, 1947; B.S., 1950
WARD WILFRED MOORE, A.B., 1948
JAMES WILLIAM OSBORNE, B.S., 1949

In Plant Pathology

LOUIS BERAHA, B.S., Cornell University, 1949

In Sanitary Engineering

RAYMOND BENTON PLUMMER, B.S., 1928

In the Teaching of Biological Sciences and General Science

GEORGE FRANCIS SHOUSE, B.S., Culver Stockton College, 1943

In Theoretical and Applied Mechanics

BLAINE WRIGHT ANDERSEN, B.S., University of Utah, 1949

ROLAND JOHN BENJAMIN, B.S., 1950

In Zoology

THELMA BROOKS, B.S., 1950

IRWIN LESTER FIRSCHEIN, A.B., University of Kansas, 1949

JULIUS SIDNEY GREENSTEIN, A.B., Clark University, 1948

JEROME OLDRICH KRIVANEK, B.S., 1948

CHARLES ALBERT McLAUGHLIN, B.S., 1949

RICHARD NORMAN ROSSAN, B.S., 1949

DIANE SANK, B.S., Long Island University, 1949

CHARLES MARTIN WEISE, B.S., Ohio University, 1950

Degree of Master of Fine Arts*In Art Education*

JOHN WILBUR ERICKSON, B.S., B.F.A., 1941, 1947

In Painting

ELIZABETH TURNER ALLEN, B.F.A., 1947

MARTHA MORGAN LUZZI, B.F.A., 1949

Degree of Master of Music

MAY CATHERINE MESSMANN, B.Mus., 1949

COLLEGE OF LAW**Degree of Bachelor of Science***In Law*

JOHN ALEXANDER ANDREOS

ROBERT LEE BUTLER

HARLAN HELLER

LESLIE THOMAS HOUSER

EUGENE SHELDON ROTH

BRUCE GORDON SIMMONS

HARRY WILLIAM SIMMS, JR.

Degree of Bachelor of Laws

ROBERT EVAN ADAMS, B.S., 1950

FREDERICK JOHN ADLER

WALTER EUGENE BILLERMAN, B.S., 1949

JAMES JAY FILES, B.S., 1949

ROY DELBERT GRUNNET, B.S., 1949

PAUL THOMAS KNOBLOCK, B.S., 1949

WILLIAM KOKONTIS, B.S., 1949

DONALD JAMES KORKOWSKI, B.S., 1949

OWEN DONALD LIERMAN

DENNY JOSEPH MCGARRY, B.S., 1949

CLARENCE LEE NICHOLS, B.S., 1949

CARL ROBERT OHSE, A.B., North

Central College, 1948

ARTHUR MATTHEW PADELLA, B.S., 1949

SIDNEY EDWARD SMITH, B.S., 1948

BERNARD GLEN STUTLER, B.S., 1949

GEORGE MAURICE TWOMEY, B.S., 1949

WILLIAM CHARLES WELCH, B.S., 1949

STANLEY AYERS WELLER

CHARLES JOSEPH ZALOUDEK, B.S., 1936

Degree of Doctor of LawCHARLES IVAN HOPKINS, JR., B.S., 1949;
with HonorsCHRISTOPHER HENRY MUNCH, B.S.,
United States Military Academy,
1943; with Honors

JOHN SAMUEL RENDLEMAN, B.S., 1949

BURTON RICHARD RISSMAN, B.S., 1947;
with Honors

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

JAMES ANTHONY ADAMS
 JOHN FRANKLIN ALSIP, with Honors
 RAYMOND EDWARD ANDERSON
 DERWOOD EUGENE BAMMANN, with Honors
 CECIL ELMER BAYLOR
 KENNETH BURNELL BERGQUIST, with Honors
 LESLIE JAMES BLAIR
 DONALD LLOYD BRAKENSIEK
 FRANK RAY BREDAR
 JAMES BROOKS
 VIRGIL ATCHISON BUTLER
 DONALD EUGENE CHARLESWORTH
 DEAN LEE COPPERNOLL, with Honors
 HOWARD ERNEST COTTER
 JAMES CALDWELL CROWDUS, with High Honors
 GLENN WALTER CURL
 HARLEY BERYLE DAWSON
 ULDARICO ARTURO DIAZ
 DONALD WILLIAM DOLE
 CHARLES CLIFTON DUNCAN
 ALVIN BERNARD ELLIOTT
 JAMES KEITH ELLIOTT
 LOUIS MARTIN ENGELBRECHT
 JAY EDMONDSON FARR, JR.
 LEROY GLENN FENSTERMAN, with High Honors
 CLYDE RICHARD FILES
 JAY ALDEN FIRTH
 CARL EDGAR FOSTER
 GEORGE RAYMOND FRELK, with Honors
 DEAN CARTER GANSCHOW, with Highest Honors
 DAVID IVAN GATES
 CEDRIC MAYNARD GOWLER
 WILLIAM OSCAR HANCOCK
 GEORGE DEAN HASENMYER, with High Honors
 BOYD ALONZO HENRY
 GLENN AUDACE HERZBERGER
 DAVID ARMSTRONG HINTERMEISTER, with Honors
 GEORGE WHITTAKER HUDELSON
 BOYCE DAVIDSON HUMPHREYS, with Honors
 SYLE ARTHUR JAYNE
 LORIN KEITH JUMP, with Honors
 DEAN ERVIN KAMPER, with Honors
 CARL JOSEPH KENSIL
 EARL FREDERICK KILE
 ALVIN DEAN KOBERNUS

RUSSELL WESLEY KOSTER, with Honors
 JOSEPH WILLIAM KOWALSKI
 DODE GEORGE LANGHAM
 ARTHUR JUNIOR LAPPIN
 ROBERT LEO LUNNEMANN
 JOHN RICHARD MARSH
 KENNETH LEE MCILRATH
 WILLIAM ALBERT MCMAHON
 RUSSELL LOYAL MIGHELL
 ROBERT WARD MILLER
 CHARLES LESTER MINER
 MAX WALTER MOELLER, JR.
 ROBERT MAURICE MOORE
 RAYMOND IRVING MOWERS, with Honors
 ROBERT EMMETT MURPHY
 JAMES DAVID MYERS
 LEE OWEN OVERDORF
 JOHN WALTER PERO
 CARL EDWARD PFEIFFER
 PAUL EUGENE PITMAN
 ROBERT OMAR POLLEY
 WILLIAM ZANE POLLEY
 JAMES FRANCIS POWER, with Highest Honors
 RICHARD EARL PURDUE
 ROBERT GORDON QUIG
 SAMUEL BRADDOCK QUINCY
 ROBERT REED ROSENBURGH
 WILLIAM MICHAEL SAGER, with High Honors
 GENE BARINGER SCHERTZ
 ELMER GEORGE SCHUCHMANN, JR., with Honors
 JOHN THACKERAY SCOTT, JR., with Highest Honors
 ARTHUR WILBUR SEEDS
 JOHN GORDON SEMPLE
 THOMAS CLELIO SILVESTRINI
 DALE EUGENE SLIFER, with High Honors
 LEO PAUL SMITH
 JOHN COMMODORE SPARKS
 RICHARD LANPHERE SPEER, with Highest Honors
 RALPH NORMAN TAAKE, JR., with Highest Honors
 ALLAN LINCOLN UTECH, with Highest Honors
 GEORGE JERALD VACLAVEK
 WILLIAM DEAN WILNER
 RAYMOND BURNS WOODROW, JR.
 ROBERT GRISWOLD YOUNG

In Floriculture

CHARLES ALBERT NOVAK, JR.
 DONALD CONRAD SAUPE

TOMMY WAYNE SHEPHERD

In Food Technology

THEODORE WINCHESTER KENDALL

In Home Economics

EMILY ELEANOR BERKOS
DOROTHY ELIZABETH BOND, with
Honors
HENRIETTA LOUISE HOFFMAN
PEARL REA HUTSON, with Honors

ELLEN FUNK JACOBS
ANN SEARSON LAVENDER
KATHERINE JANE LEE
DULCENA PEARL PURVIS
NANCY LIL SVOBODA

In Home Economics Education

MARILYN GETZ BURNS
SHIRLEY MAE COX
DEVERA ELAINE FISHER
GILDA GARNET GLEIM, with Honors
RITA ANN KAPRAUN

DOLORES ELIZABETH LOPEZ
RUTH WINTERS NAUDZIUS, with High
Honors
BONNIE MAE PULS, with Honors
LOIS BAKER WILLOUGHBY

In Vocational Agriculture

ROTHELL DEAN BUZZARD, with Honors

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical Engineering

WILLIAM OTTO ACKERMANN, Jr., with
High Honors
CHARLES EDWARD AUBERT
ROBERT BERNARD BENJAMIN
RALPH NORBERT BINGMAN, with High
Honors
ROBERT CLEM BOND
ROBERT HUGH BULLINGTON
STERLING ALEXANDER CAMPBELL
ROBERT FRANKLIN COOK

RICHARD ROBERT GOLD
LLOYD WINSLOW GROSS, with High
Honors
RICHARD DAVID HIGHTET
EMERY DALE LEFLER
JOHN MARKEL
PEER MASENG
JOSEPH THOMAS OSMANSKI
RICHARD HAROLD SELSTAD

In Agricultural Engineering

MAX DEAN ALBIN
JAMES REID BATEMAN
DONALD LLOYD BRAKENSIEK
HAROLD SAMUEL BRANDENBURG
LOUIS MARTIN ENGELBRECHT
RAYMOND EDWARD HOLTHE, with High
Honors
DEAN FRANKLIN HOPKINS, with Honors
MAX JAKOFSKY

FENTON J. KELLEY
JACK O'NEIL LEATHERS
WALTER DALE LEMBKE
RUSSELL LOYAL MIGHELL
CHARLES RAY MONKE, with Honors
RONALD EUGENE NEWMAN
ERROL DAVID RODDA, with High Honors
ROLAND EDWIN SHADDOCK
GEORGE VRIEND

In Ceramic Engineering

VINCENT NORBERT CUPIDRO
PETER EDWARD DUNN
MAGNUS LAIRD FROBERG
GORDON CHARLES GODEJAHN, JR.
THOMAS PATRICK GREANEY
WILLIAM RAYMOND THOMAS HAMPER

ROGER LEE HITZEMAN
JACK ALBERT MCQUILLAN
LEE ROY MULL
CARL EDWIN OSTERHOLTZ
URI PIMSTEIN
ROBERT JOHN ROTH

In Civil Engineering

ROGER DUANE ANDERSON
THADDEUS DUANE ASHWILL
ROBERT CHARLES BISCH
MARTIN MORRIS BLACHMAN
ROBERT HERMAN BLASIUS
YNGVE SIGVARD BLOOMQUIST
ERNEST ARTHUR BOULDING, Jr., with
Honors

AUSTIN JOSEPH BOYLE
DONALD EUGENE BRADFISCH
EDWIN RAY BREED
NATHAN GEORGE BRENNER, JR.
LAWRENCE ALGOT CARLSSON
BENNY LEE COCHRAN
BRISTOL CALVERT CONKLIN
LEROY RICHARD COREY

RICHARD CRAMER
 MELVIN HARRY DAVIS
 RALPH HERMAN DIX, with Honors
 PAUL GLENN DRAKE
 ALBERT DALE FAUST
 DEAN RUSSELL FELTON
 JACK EUGENE FINLEY
 LAWRENCE JOSEPH FRITZ
 CHARLES ALEXANDER FURTAK, JR.
 JAMES EARL GANG
 GLENN ALBERT GAREISS
 WILLIAM PATRICK GILLESPIE
 JOSEPH GUND GRAHAM, with Honors
 WALTER ALOYSIUS GROSS, JR.
 GEORGE PAUL GROTE
 DANIEL JOSEPH HANSON
 JOHN ARNOLD HEINEN
 ROBERT EARL HENRY
 HAROLD ELWIN HOFSTETTER
 JOHN WENDLE HUTCHINSON
 JOHN DAVID JESSEN
 DONALD DEWEY KAMPENGA
 HENRY JOSEPH KARPINSKI, with Honors
 BOBBY MAXSWANE KELL
 ROBERT CORNELIUS KENNEDY
 THOMAS DAVID LAKE
 HARLAN MAURICE LILLIE
 WALTER PAUL MADURA, JR.
 WILLIAM KEITH MARLATT

MULFORD MARTIN, JR.
 GORDON KENT NELSON, with Honors
 WARREN WAGNER OSBORN
 ADAM JEROME PIENTKA
 RUSSELL ROBERT ROELLIG, with High Honors
 VERNON CLAIRE ROSENBERY
 WILLIAM HAROLD RUDDY
 CHAMLONG SALIGUPTA
 JAMES ANTHONY SAMARTANO
 SALMAN SALEH HAKHAM SASSOON, with Honors
 DONALD HERMAN SCHNEPPER
 JAMES EDWARD SMILEY
 EDWARD A. C. STREED
 RALPH DEE SUTHERLAND
 JAMES FRANCIS TAVARES
 CHESTER MARK TAYLOR
 CHARLES LESTER THOMPSON, JR.
 FRED HANS TREPTE
 MILAN ANDREW VODICK
 HARRY RICHARD VON HUBEN
 JOHN MARION VOORHEIS
 WILBUR LEE WALKER
 GEORGE WILLIAM WELTER
 WILLARD WALTER WILLIAMS
 ROBERT LOUIS WINKELHAUS
 JOHN ROBERT WINTERROTH
 ALEXANDER EDWARD ZEDIALIS

In Electrical Engineering

FRED WILLIAM ABRAHAMS
 ARTHUR WINDELL ALEXANDER
 FRANK SUSUMU AOYAMA
 RALPH PETER ARENS
 WOLFGANG ALBERT BACHEM
 MARION WILLIAM BATY, with Honors
 ELLIOT BELL
 CARL WILLIAM BENEFIELD
 HOWARD FAY BENJAMIN
 DONALD BRUCE CHRISTMAN
 HAROLD GUY COHON
 ROBERT JOSEPH COSGROVE
 GEORGE WILLIAM COTTER
 RALPH ANGELO DEROSE, JR.
 FRANK DESIMONE, JR.
 PETER THOMAS ELLEW
 ROBERT EUGENE ELYEA
 PHILIP JAY ERLANSON
 HERBERT BEATTY FREY
 ARTHUR ARNOLD GRAMANN
 FRANK WILLIAM GREBNER, JR.
 ALVIN LEROY HART
 RICHARD GATHER HATFIELD
 FRED ROBERT HEINTZE
 ARTHUR QUENTIN HISLOP
 ROBERT ALAN JAROSS
 WILLIAM OAKES JOHNSON
 VAL STEPHEN JONES
 SYLVESTER BERNARD JOYCE
 ROBERT FRANCIS KANNEY
 MARVIN KLINGER

ELMER WILLIAM KUHLMANN, JR.
 EDWARD ALBERT LACHAPELLE
 ROBERT BRUCE LAUBE, with Honors
 KENNETH CALVIN LESLIE
 ROBERT GLENN LINDENAU
 WALTER WILLIAM LONG, with Honors
 SZEYEANG EDWARD LOU
 EDMUND LOZANO
 ALFRED MAKULEC
 PETER JOSEPH MAYER
 JAMES FRANCIS MAYS
 VAL GENE MCCLUSKY
 LOUIS MELCHER, JR.
 KENNETH WARREN MURRAY
 JAMES WILLIAM NAGLE
 MERTON JOHN OLIVER
 CARLOS RALPH OSBORN
 WILLIAM JOHN PAPPAS
 LUTHER SAMUEL PETERSON
 STANLEY FRANCIS PLAISANCE
 CHARLES LESTER POWELL
 LAURENCE LEE GERARD PRINDIVILLE
 OLIVER THOMAS PURL, with High Honors
 JOHN MATHIEW REINERT
 ARTHUR WIRTH REYNOLDS
 JOHN FREDERICK RIEGER
 IRVIN GLENN ROBERTS
 JOHN ROMANELLI
 JOSEPH PAUL ROSS
 ABE ROTTER

GILBERT FRANCIS SACCO
 GEORGE JOSEPH ST. ONGE
 ROBERT WINFIELD SEAVEY
 SEVERN JOHN SEREDA
 MITCHELL ALBERT SEREMAK
 FRANKLYN MERLE SHAPIRA
 JOHN DAVID SHORE
 RAYMOND JOSEPH SIMANDL
 JOHN WILLIAM SKOMAJSA
 WILLIAM HENNING STARK
 HARRY DELOS STEPHENS, JR.
 JESSE ROBERT STONE
 ROBERT JOHN THELEN
 EUGENE JOSEPH THURMAN, JR.
 JOHN CHARLES TIBBETS

EDWARD MORGAN TINK
 ROBERT BERNARD TOPPMEYER, with
 High Honors
 BERNARD RICHARD UTTICH
 RICHARD WHEELER VALENTINE
 ARNOLD JOSEPH VIENE
 EUGENE CARLTON WALDING
 ALBERT ROLLO WALTERS
 FRANK GWINN WARRICK, with Honors
 NORMAN PHILIP WEINHOUSE, with
 Honors
 PETER ADAMS WILLIS, with Honors
 HARRY JOSEPH WOJCIK
 EMIL WILLIAM WOLNIK
 LOUIS JOSEPH WUNDERLICH

In Engineering Physics

OLOF HERMAN LINDBERG
 EDWARD PAGE MEYER

GEORGE EDWARD MODESITT, with High
 Honors
 DAVID ROSENSTOCK

In General Engineering

ROBERT PAUL BOVEE
 DONALD MILTON BRAUGHT
 JAMES HAYDEN CHAPPEE
 THOMAS RICHARD DAVIS
 BERTIL GUSTAF JOHNSON

EDWIN ALBERT MCLEAN
 GEORGE JOHN MICHAEL
 RUSSELL HARRISON MILES, JR.
 JOHN DANIEL SOMMER
 MILTON ENNIS STABEN

In Mechanical Engineering

RICHARD WAYNE ADKINS, with Honors
 EARL BERNARD ANDERSON
 RALPH EDWARD ANDERSON
 JEROME JOSEPH BAUBKUS
 ROBERT LEONARD BAXA
 DWIGHT RILEY BEARD
 ROBERT LYNN BEARDMORE
 MERWYN EDWARD BECKER
 HERBERT SAMUEL BISTRITZ
 JOHN READ BROOKS
 EDWIN JAY BUSH
 ROY WALTER CARLSEN
 JOHN ALBERT CLARK, JR.
 THOMAS PAUL COSGROVE
 KENNETH JOHN COUGHLIN, with High
 Honors
 RUSSELL CARL DAHL
 FRANCIS BERNARD DALTON, JR.
 EDWARD LLOYD DAY
 LEVENTE DE WARGA
 ROBERT GLENN DODDS
 LUCAS JOHN DYKSTRA
 LEROY CARL EICHERGER
 RICHARD JOHN EISENACH
 BARBARA GERTRUDE ENGERT
 JOSEPH ERHARDT
 CHARLES FRANCIS FAILS, with Honors
 PHILIP DALE FELDMAN
 ABRAHAM SAMUEL FENSTER
 EUGENE ALBERT FLUDER
 HOWARD GLENN FOELL
 WILLIAM JACK FREYERMUTH

ROBERT MICHAEL GERZETICH
 JOHN ROBERT GRAHAM
 EDMUND JOHN HEARTSTEDT
 CLARENCE NORRIS HEDSTROM
 HAROLD WALTER HEITZ, JR.
 VINCENT JANIS, JR.
 ROBERT CLARENCE JASKE
 ORVILLE ARNOLD JONES, with Honors
 WOLFGANG OTTO REINHART JUNKEL
 RICHARD WRIGHT KIZER
 JOHN EATON KLEBOE
 EUGENE KOBOSKY
 GEORGE PAUL KOCH
 WILLIAM ARTHUR KOLINGER
 GEORGE CASMIR KOLODZIEJ
 CARL LENZ, JR.
 JAMES CARROLL LICHTENBERGER
 EDWARD WALTER LOLLCOCK
 FRANK LUZZI, JR.
 JOSEPH JOHN MAGINOT
 WILLIAM MATHIAS MAKI, with High
 Honors
 PHILIP ALLAN MARCUS
 WILLIAM JOHN MASHEK, JR.
 WILLIAM ROBERT MCCLEISH
 WILLIAM HERBERT MORIARTY
 PAUL OTTO NELSON
 WILFORD OSCAR NYSTROM
 RUSSEL FRANCIS PABST
 JAMES DAVIDSEN PETERSEN, with
 Honors
 JOHN ROBERT PETERSEN

RICHARD OTTO PROBST, with High Honors

JOHN HOWARD RICE

JOHN ARNE RISSLER

ROBERT CHARLES ROBINSON

ALFRED HERBERT ROSENBERG, with Honors

MAURICE TALBOT ROSS

MARVIN SPENCER SAILLARD

EWING ALAN SHARP, with Honors

GUNNAR SORENSEN

CARL MIKE SPIROFF

DONALD JULIAN STONE

RICHARD EDWIN SZOSTEK

THOMAS CARSON TIEARNEY

ROY HERMAN TROGNITZ

MARVIN CURTIS TYLER

ERNEST SCOTT ULM, JR.

LOUIS GEORGE VOCK, JR.

EUGENE GAIL WAGENECHT

DONALD DEAN WEIDHUNER

CLARENCE DEVOE WESLEY

HAROLD EUGENE WOLFE

SHOULBERT YORK

BILL JEAN YOUNG

FREDERICK NORMAN ZIMMERMAN

In Metallurgical Engineering

ROBERT CLARK ANDERSON

DONALD HARRY BENSON

EDMUND JOSEPH KLIMEK

JAMES WHITNEY LEEMING, JR.

HERMAN F. PETSCH

JACK MILTON RAYMER

LAWRENCE RAE RUSSELL

JOHN MARSHAL ST. JOHN

JAMES JOHN JOSEPH SKARDA, JR.

JOHN WILLOUGHBY STEPHENS

GENE WADE SULLENGER

In Mining Engineering

DENNY RAY BENNER

PETER FRANCES BIANCHETTA

JAMES WILSON GOODRICK

DAVID YOUNG HEIMAN

BERNT GEORGE IVERSEN

JOHN THOMAS KEIM, with Honors

CHARLES ROBERT MITCHELL

DARRELL DUANE MOE

JOE HAINES SEYMOUR

NICHOLAS SZABO

In Public Health Engineering

JOHN EPHRIM PEARAH

In Sanitary Engineering

JOHN EDWARD McLEAN, with Honors

DONALD GEORGE WILLEMS

COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

In Liberal Arts and Sciences

FRED ACKERMAN

MARK LEE ACKERMAN, III

PAUL ALBAUM

HELEN BARBARA ALLAWAY

RICHARD WARREN AMOS

ROBERT JOHN ANDERSON, JR.

PAUL FITZGERALD ANTHONY

JACK ARBIT

WILLIAM BAHLMAN, JR.

EUGENE STANLEY BARENHOLTZ

LILLIAN HELEN BARTKUS

BEVERLY JOAN BECKER

BLOSSOM PEARL BERMAN

LENORE RUTH BERNSTEIN, with Honors
in Psychology

ROBERT ALAN BLACK

NANCY LOIS BLAKER

ALBERT JAY BRODAY

MARGARET ECALE CAMPBELL

GEORGE WILLIAM CANEDY

CARL VINCENT JAMES CLAUSEN

NORMAN VICTOR CLOUGH

JEAN DELORES COLE

ERLENE LOUISE COLLINS

JOANNE THERESA CONNELL

SHIRLEN EUGENE COOK

WILLIAM RAYMOND COULTER

ROBERT RODY CUNNIFF

ELAINE GLADYS DESORT

PHYLLIS HOPE DICKER

WALTER ELARD DREW

SANDRA DWORK, with Honors in
Sociology

MARY LUCILLE EGGES

MARILYN JEAN FARNSWORTH

RHODA FIENER

MARY ELIZABETH FORREST

LOUIS MILLIKEN FRYE

ROBERT LESTER FULTON, with Honors
in Sociology

HELEN GEORGES

DARLENE LILLIAN GERSEY

MARGARET ARCHIBALD GLENN

JAMES ARCHBOLD HAGAN

MARJORIE ANN HAGI
 RHODA HALPERN
 CHARNA CHELNICK HIGGINS, with
 Honors in Sociology
 JOHN ROBERT HOLT
 JAMES LANE HUDELSON
 GEORGE EVERET JANSSEN
 WALTER EUGENE KELLY, with Highest
 Honors in Political Science
 BETTY ANNE KOSTIAL
 DAVID BRUCE KRAMER
 LAEH ETHEL KUPPERMAN
 MARION FRANCES LEWIS, with Honors
 in Sociology
 RAYMOND WAYNE LIVINGSTON
 JAMES EDWARD LLOYD
 ALBERT STAFFORD LOWE, III
 JAMES MAHON
 ROGER CONWAY MALAN
 WILLIE McLANE MARION
 GILBERT FRANK MARTIN
 BETSY BUTLER MCCLELLAN, with
 Honors in Latin American Studies
 JAMES CULLEN MCCOYNE
 BERT MILLER, JR.
 ELIZABETH JUNE MILLER
 MIRIAM COHEN MILLER
 JAMES CLARENCE MULLANEY
 THOMAS EDGAR NAY
 WILLIAM ROBERT OATES
 JOHN BOUDEN ODEN
 JAMES EDWARD OHMAN
 KENNETH GENE PAGE
 DAVID JAMES PALMER
 GLADWIN ANTHONY PASCUZZO
 DAVID PATEK
 DONALD P. PIOTROWSKI
 SPERO MICHAEL POLIOS
 JOHN LEE PRICE
 PATRICIA ANNE REDDINGER

In the Teaching of English

RENEE BILLIE BLOCK
 BETSY JANE NARDI

BETTY ELLEN WEBSTER

In the Teaching of German

ALBERT ALOIS HOCH, with High Honors

In the Teaching of Social Studies

DAVID FREDERICK CIPOLLE
 PHYLLIS ETTA GOLDSTEIN, with Honors
 RUTH ANN GREENE, with Highest
 Honors
 JOHN WALTER HALLBERG
 JAMES FREDERICK HOOD, with Highest
 Honors

ALICE GENEVIEVE JOHNSON
 NORMAN LOUIS OLSEN
 ROBERT SWEN OLSON, with Honors
 EVELYNNE CHARLOTTE WOLOSHIN
 ALBERT LOTH YOUNGQUIST

In the Teaching of Spanish

PEGGY EUGENIA NIENHAUS
 HARRIET JOSEPHINE TAYLOR

DONALD LESLIE THOMPSON

In the Teaching of Speech

ROBERT ALFRED MALLARY

Degree of Bachelor of Science

In Chemical Engineering

RICHARD BENNETT	GUS CONSTANTINE KAMENKO
LEROY EARL CARPE	JAMES MICHAEL MASTERSON
JOHN RICHARD CHAPMAN	NORMAN WESLEY MILLER, with Honors
LOUIS FREDERICK COMPER	KENNETH GALE MORLOCK, with Honors
GEORGE MERRILL DAVIS	PHILIP REISMAN
RICHARD JAMES DOMINETTA	WILLIAM ARTHUR ROWAN, JR.
WILMER MARION DUVAL, with High Honors	WILLIAM MORGAN RUTHERFORD, with Highest Honors
ALBERT LEE EDGAR	DANIEL M. SCHMITT, with Honors
DONALD WAYNE EDWARDS, with Honors	EDWARD FRANK SEARIGHT, with High Honors
HJALTI EINARSSON, with Honors	BERNHARD CHARLES TJARKSEN
JOHN PATRICK GOREY, with High Honors	EDWIN STANLEY TROSCINSKI
PETER JOSEPH HOLLACK	RYOJI YAMAKUCHI, with Highest Honors
DALE HERBERT HOSCHEIT, with High Honors	

In Chemistry

ROBERT EUGENE ANSEL	ROBERT EUGENE KRALL
WALTER RODERICK BENSON	RANDOLPH MICHAEL LA KOMSKI
ELI WILLIAM BLAHA	JOHN ALBERT LAUCK
DANIEL SOTIROS-PETER EFTAX, with High Honors	ROBERT FRANCIS MAJEWSKI
LLOYD KAHN	DONALD DEAN WEAVER
HARRY EDWARD KALDON	DALE LEROY WILHELM

In Liberal Arts and Sciences

LILLY WOLF ALTSCHULLER	BETH ELLEN ENGERT
SHELDON HERMAN AUERBACH	HARRY ROBERT ERICKSEN
KENNETH WAYNE BAILEY	EUGENE FINKE
ELLEN REMLEY BARKER	DAVID FLEISCHER
SHIRLEY JOANNE BARTLESON	EARL EUGENE FREDRICK, JR.
FRIEDA ELLEN BEATTY	CARL THEODORE FRIZ
SHERMAN THEODORE BEHR	BERNARD BENJAMIN GELTNER
RICHARD HERBERT BENEDIX	JOHN LOUIS GERLACH
MANDEL MENAHEM BERG	JOSEPH JOHN GRANATA
ALLAN GEORGE BIRD	MELVYN DAVID GREENBERG
HELENE TEVA BLOCK	RICHARD THEODORE HOFFMAN
JOSEPH SYLVESTER BOMBA	WILLARD DEAN HOLLOWAY
MYRON SHELDON BROD	LORENZ EDWARD HUBER
EVELYN JOYCE BRYANT	HOWARD PAUL IKER
OATHUR CHARLES CARPENTER	NAOMI FRANCES JACKSON, with Honors in Psychology
IRWIN CHABON	WILLIAM ROBERT KENNEDY
DAVID MARSHALL CHELNICK	RALPH EDWARD KIDWELL, JR.
REGINALD FRANCIS CLARK	EUGENE NICOLAS KRAMER
DANIEL WILLIAM CLINK	ALEXANDER INGLIS LAW
DONALD G. COHRS, with High Honors in Psychology	JOHN FREDERICK LEMP, JR.
MARILYN JUNE COLBORN	ROBERT CRANDALL LEWIS
MORTON S. COLE	MARGARET PRISCILLA LOHR
KEVIN GEORGE COLTMAN	DENNIS KEITH MANN
WILLIAM DOUGLAS COOPER	SANFRED BARRY MARKFIELD
CLARENCE VERNON CROW	LEWIS EDWARD MELCHER
WALLACE NELSON DAVIS	KENNETH ELROY MEREDITH
JOHN LEONARD DAY	GILBERT MILLER
IRWIN LLOYD DICKSTEIN	RALPH JEROME MILLER
BERNARD ANTHONY DIKSELIS	JACK OLIN NEUHAUS, with High Honors in Psychology
ROBERT MARSHALL DOSSING	MELVIN NIDETZ
STEPHANIE LILLIAN DWORAK	

RICHARD LEWIS OLIVER
GORDON LAVERNE OVERBEY
DONATO ANTON PANTONE
PETER PAYLAN
ROBERT JOSEPH PERVINSEK
MARCIA GAYLE PIERZYNSKI
CAROL RENEE POLK
SOLOMON RABINOWITZ
ROBERT PETER ROSIN
EUTHEMIA RUSSIS
PETER JOHN SCHREINER

STEVEN JOHN SENDZIAK, JR.
CHESTER FRANK SOBOTA
MELVIN LYN TIMMONS
EDMUND EUGENE TYLUTKI
VIOLA VAITULONIS
NANCY VERN VAN BERSCHOT
MILTON VAN DUSER, JR.
LEONARD FRANCIS WALDMAN, JR.
IVAN J. WARREN
JAMES EDWARD WOODS

In Speech Correction

HELENE ELAINE IGLOWITZ, with Honors ELLEN ALENE REAGAN
LOIS SHIRLEY KORNBILTH

In the Teaching of Biological Sciences and General Science

THOMAS JOSEPH BICKEL ALTON RAYMOND DROLSUM
STANLEY GORMAN COATES WILLIAM RAY JACKSON

In the Teaching of Mathematics

SHIRLEY A. ALDOUS, with Highest Honors GEORGE LAWRENCE LARSON

LIBRARY SCHOOL

Degree of Bachelor of Science

In Library Science

CAROL PATTERSEN COLDREN, with Honors NANCY ANN MCCULLOUGH

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

JEAN RAE AGRANOFF
ROBERT MILTON BECKWITH
ROBERTA BLOOM
ALAN GENE BRUMBACK, with Honors
in Education and in Mathematics
EDNA BOUCHER BURKETT
GLORIA JEAN BURNS
RAYMOND EDWARD CHRISTIAN
JEAN MACRAE CRANE
LOREN E. DECKER, with Honors in
Education
KENNETH HARLAN DEYONG
ROBELEYE TRUMBO DUNGY
RUSSELL DEAN EATON
ZELLA MARCIA EDIDIN
MARGARET EGALNICK
JO ANNE FISHERKELLER
HOWARD LEROY GIELOW
RUTHE HARRIETT GREENE
JEAN EDITH GREENEBAUM
MARLOWE JAMES HARTZER
WILLIAM ROBERT HEDGCOCK
GORDON GERLACH HILL, with Honors in
Education
IRENE ELIZABETH HOLMES
EDITH BRENTS LUNDY HOYT

FERN MARCELLA KAFFEL
IRENE KANELLOS
BERTELLE JOAN KAUFMAN, with
Honors in Education
MARJORIE KRAMER, with Honors in
Education
ANNE BEATRICE KRATINA
ROBERT EARL LILLJANDER
JEAN MARGOLES, with High Honors in
Education
ANNA MAE MARTIN
HARRY JAMES McBLAINE, JR.
HOWARD VERNON MERIDETH, JR.
NAOMI MEYER
ELTON MILLER, JR.
CARL LEONARD NELSON
ROBERT EMMET O'BRIEN
MARGRIETA RASMA OSIS
LOIS JANE PHILLIPS
GILBERT PHIPPEN PRIESTLEY
MILDRED DIANNE ROBINSON
JANE LEE SIGWALT
JEAN SNITOVSKY, with Honors in
Education
NORMA ANN SPALE
OLIVER PERRY STUFFLEBEAM

DOROTHY LOIS SUMPTION, with Honors
in Education
MARY BREESE THOMPSON
MICHAEL JOSEPH TIERNEY
JOANN ELIZABETH TILROE, with Honors
in History
EVERETT GEORGE UPHOFF
JACQUELINE JULE WALZ, with Honors
in Education

NELLIE MAE WEBER
MAXINE GRUBB WHEELER
DONALD SLOCUM WILLOUGHBY
RUTH HELEN WOLFF
VICTOR ZAVARELLA
ALVIN HAROLD ZIEGLER

In Industrial Education

CHARLES LEWIS BAKER
ELMER EUGENE MORGAN
WILLIS EUGENE RAY, with High
Honors in Industrial Education

GEORGE SAVKO, JR.

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

CLAUDE VAN ANDERSON
GUSS ALLEN ANDRES
GEORGE NICK ASIMOPULOS
ALBERT FREDERICK BIRCH
JOSEPH HENRY BLACKWELL
MARTIN JOHN BLEEKER
ORA LEE BROWN, with Honors
THOMAS BUCK, with Honors
RICHARD CHARLES CONKLIN
JOSEPH HOWARD DOW, JR.
IRVING ESKOZ
MARILYN LAJUNE HOLMES
DALE MAURICE HOUMES
ROBERT HENRY JONES

ELMER PAUL LAUT, JR.
HUNG HONG MEW
DUANE HOMER MITCHELL
RAYMOND EDWARD PATCHETT
ALBERT ABRAHAM PESKIN
FLOYD ALFRED PETERSON
RUSSELL REES RISDON
ROBERT ROSS
JOHN EUGENE SUMMARIA
ROBERT FREEMAN VAN LOON
SHELDON WASSERMAN
MARION DOROTHY WEISS
PHILIP EDWARD WORACK
RALPH EDGAR YOUNG

In Accountancy and Management

RICHARD AUSTIN BENSON
JOSEPH JAMES SOWERS

THOMAS ADDISON WIGGS, with Honors

In Banking and Finance

DAVID EPSTEIN
MARVIN KENNETH EYSTER, with High
Honors

DONALD NELS OLSON
PETER GEORGE SIGALOS

In Banking and Finance and Management and Marketing

SIDNEY BENNY RAND

In Commerce and Law

NOLAN CORNWELL CRAVER, JR.
DOUGLAS EYER HAGER
NEIL LYMAN HOBBS, with Honors
THOMAS KING HOSTETLER

ROBERT EDWARD KESLER, with Honors
WILLIAM RAY KESLER, with Honors
ROBERT MCCLURE

In Commercial Teaching

MARGUERITE BENNETT HOMER, with
Honors

HAROLD LEROY THROOP, JR.
MARVIN WAYNE WAHLS

In Economics

HYMAN CHASMAN
RICHARD ARTHUR ERLEY, with Honors
STANLEY CHARLES GOLDER
SYLVIA VIRGINIA HALL
ROBERT DAVID JOHNSON

HAROLD JESSE MEINKOTH, with High
Honors
ROBERT THOMAS PETREY
KEITH PFULB SISSON
LEONARD TED WEINSTEIN

In Industrial Administration

DELMAR HOUSTON BONE
JAMES MAURICE ETTINGER
FREDERIC WILLIAM GALKA, JR.
RICHARD WILLIAM LAMBERT

EDWARD Y. MOY
GORDON DAVID SCHUBERT
JOHN RAYMOND TRIPI

In Management

BARNIE EPHRAM ABELLE
JAMES LUTHER AMBROSE
LESTER HAROLD BERKSON
PAUL LEROY BEST
ROBERT WILLIAM BLODGETT
NEIL VINCENT CALDWELL
WILLIAM LAWRENCE CAVANAUGH
RAYMOND ROBERT DELACH
LEVERT LEE FILLINGIM
PHILLIP THOMAS GREENBERG
ROBERT EMILE HUBER
ELAINE ANN ILTIS
JOHN JACKSON, with Honors

ROBERT KENNETH MEYER
JAMES WALTER NEAL, JR.
EDWARD JOHN PRISLINGER
FRED MARTIN RIMERMAN
CHARLES ALVIS RUDE
JULIUS FRANK SAMBO
MARSHALL FRANCIS SMITH
ROBERT EDWARD TURNBOW
JAMES HERBERT ULLMER
RUDOLPH VALENTINO VENTURONI
WILLIAM EUGENE WESTERBECK, with
Honors
ROBERT JOHN WYLLIE

In Management and Marketing

DANIEL PHILIP COHEN
EUGENE ROBERT COLBERT
CYRUS CASS COLLINS, III
KENNETH ALISON DAVIS
JAMES OTIS DUNN
GORDON STUART GRAY
DONALD GEORGE HAMBURG
THOMAS JACKSON HARRIS, JR.
ROBERT EARL JACKSON, with Honors
WILLIAM CHARLES KIDD
ROBERT ARTHUR KORSGARD
ALVIN KRELL, JR.

EDWARD GUSTAVE MATZ
DAVID JOHN MERSHON
DONALD PLANKERTON MURPHY
RUSSELL CHARLES SAEWERT
MARVIN CALVIN SHAPIRO
SIGMUND LINDHEIMER SKOLNICK
GARRISON A. SOUTHARD, JR.
WILLIAM JOHN TAYLOR
WANDA FUGATE TURNER
HAROLD NELSON WIREN
GEORGE MACKILL WOOD
LOUIS LEE WORMAN

In Marketing

ARNOLD AARON ADDISON
CHARLES BRUCE ANDREWS
JO ANNE ARMSTRONG
JACK GILBERT AYOTTE
HOWARD MELVIN BAGLEY
GILBERT EDWARD BANKS
JAMES JOSEPH BREEN, JR.
HARVEY BRODSKY
PATRICK WILLIAM BULLARD
LONNIE HUGH CARTER
WALTER AAGE CHRISTENSEN
CHARLES MARVIN CLOUGH
CHARLES ROBERT CRICKS
GEORGE HENRY CURTIS
KENNETH LEROY DITTMER
ALFRED EISENBERG
ROGER ROY FLOODY
CHARLES LEONARD GERRIE, JR.
MERLE GOODMAN
JOSEPH GRASSI
JOHN EDWARD GREYER, JR.
GEORGE DOUGLAS HALE
RICHARD DURRELL HATFIELD
AARON HARRY HULL

DARWIN ALFRED JOHNSON
DONALD EUGENE JOHNSON
DANIEL KIRSCH
RALPH KROHNGOLD
JAMES WILLIAM LONGEST
EARL FRANKLIN LUNDGREN, with
Honors
WILLIAM JOHN MARTIN
ALBERT MOCH
ROBERT LEWIS MOLLOY
STEPHEN JOHN MONYOK
EUGENE ALFRED PETERSON
FRED HAROLD POLAKOW
BERT IRWIN POLLAN
MORRIS ROBINSON
ROBERT DICK SHAPIRO
HAROLD ARTHUR STANGE
HAROLD GUS STEIN
HAROLD EUGENE TURNER
JAMES FRANCIS WALZER
WILLIAM RICHARD WAUGH
GLEN ALFRED WILLIAMSON
EMERSON LARUE WINEMAN
HERBERT SHELDON WOLF

SCHOOL OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Journalism

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 NAOMI RUTH BUNDGAARD
 ROSEMARY JEAN CAMPBELL
 EARL BURTON COLE
 EDGAR CHARLES COOK, JR.
 ARCHIE NORRIS CRIST
 BERNICE DEVAK
 ETHEL MAE EANES
 CAROL JEAN EDWARDS
 ROBERT ANDERSON FREEMAN
 GILDA MAE GLUSKOTER, with Honors
 ROBERT GOLD
 MILDRED JEAN GRIMM
 ALMA GERTRUDE HENLEY
 EDWARD ELMER HERTER
 NAOMI JUNE HOLZMAN
 HUGH FREDERICK HOUGH
 WILLIAM PAUL JACKSON

ROLAND DAVID JOFFE
 RICHARD WILLIAM JUDY
 MELVIN ALIN KOPP
 LUCY LOGSDON
 JIM LAWRENCE LURIE
 GORDON LIEVAN MCCLEARY
 ALBERT LEE MIGLIN
 KENNETH WILLIAM MIHILL
 CURTIS DEAN MILBURN
 GLEN VICTOR MITTLACHER
 GEORGE ELLSWORTH MORTON
 ROBERT LEROY NEIMAN
 HARRIET FAY PAMPEL
 BETTY JEAN ROE
 PHILIP EDWARD SCHUBERT
 DENNIS CARROLL TRIPLETT
 RAYMOND BENNETT WEISS

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Science

In Architectural Engineering

JAMES MANUEL BAYNE
 RODNEY KAM JAN CHANG, with Highest Honors
 GRAYDON CLARK, with High Honors
 CLARENCE RAY EDWARDS
 RICHARD LYMAN GRAY
 ANTHONY JOHN GRIECO, with High Honors
 EUGENE NORMAN GROTENHUIS
 ELMER MICHAEL HAHN
 EDMUND PENA HERNANDEZ
 ROBERT RUSSELL HYBERT, with Honors
 HAROLD ANTHONY JACOBS
 GEORGE LYMAN JORGENSEN
 HARVEY EDWARD KOEHNEN
 RICHARD ALBERT LOESCHER, with Honors
 ERNEST OTTO MOORE, JR.
 RALPH NORMAN MORRISETT
 JOSEPH FRANCIS MURTHA, JR.

JIM MASAKI NODA, with High Honors
 FRANK EDWARD PANNONE
 WILLIAM MARTIN PISTRUI
 WARREN EVERETT POOLE
 JUNIOR WILLIAM REUSCHER
 DONALD LOUIS ROSS
 WILLIAM RICHARD RYAN
 ALBERT EDWARD SANNER, JR.
 JOSEPH SAVITZKY, with High Honors
 GEORGE WELDON SCHUETTE
 ROBERT HAROLD SHELPE
 BENEDICT SIGFUSSON
 ROBERT CARL SMITHA
 DAVID FRANK SNYDER
 EDWARD JOSEPH WALSH, with High Honors
 WILLARD JOHN WORTH, with Highest Honors
 ROY FREDERICK ZARBOCK
 JAMES EDWARD ZERVAS

In Architecture

SAMUEL BARRETO, JR.
 DALE BENEDICT
 SIGMUND BLUM
 DANIEL MILLER BRANIGAN
 EDMUND CHARLES BUDRIS
 CHARLES SEXTON CATLIN
 FRANK EDWARD DUSHIN, with Honors
 DELMER DALE ESCH
 MARCUS BERNARD FOLIS

JACK MITCHELL GOLDMAN
 EZRA GORDON
 JAMES RICHARD HALLBECK
 HARRY ROBERT HARRISON
 WAYNE CHARLES HATFIELD
 CLIFFORD WARREN HICKMAN
 LAWRENCE ISAAC KAHN
 FRED TOMOAKI KISHABA, with Honors
 RALPH ROBERT KNAPP

JOSEPH RAYMOND LETE
EUGENE EMIL LEUCHT
GEORGE WALLACE LINDSTROM
ALLAN JAY LUCK
EMIL JAMES MASTANDREA
ROBERT EDWARD MCCrackEN, Jr.
RICHARD EDWARD NEVARA, with Honors
RAYMOND CHARLES OVRESAT, with
Highest Honors
HARLAN LYNN RICE

ROBERT LLOYD RITZ
JAMES ARTHUR SCHEELER, with Highest
Honors
RUDY SCHEIBENREIF
NORMAN CHARLES SCHILLER
DONALD MURRAY STILLWAUGH
PAULINE JEANNETTE TREDER
MORRY WEXLER, with Honors
ROBERT LOUIS WULFF

In Music Education

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BEVERLY JEAN PAYNE, with Honors
MIRIAM WORKMAN, with High Honors

Degree of Bachelor of Fine Arts

In Advertising Design

MARILYN RAE ALLEN
JERALD DEAN DENBO
GEORGE WILLIAM HAMLIN

JEROLD SOLING
HERBERT LEE STERRETT

In Art Education

TERRELL GEORGE BRAMLET
VIRGINIA MAE BUSH
CHARLES ELMER MACHAMER

PHYLLIS SHERMAN
JAMES WATTON WEIR

In Industrial Design

SIDNEY HARRINGTON BRADD, JR.
BETTY MARIE SMITH
LELAND CROSS SMITH, JR.

LUTRELLE PAUL WASSMANN, with High
Honors

In Landscape Architecture

DONALD JENNINGS PEARSON

In Painting

ROBERT JEVERT ECKELS
ROBERT PEASE FLINT

PRISCILLA JUN TOM

Degree of Bachelor of Music

NONA JEAN BRUNS
JEAN FRANCES COOK, with Highest
Honors

RICHARD STANLEY HALLEMAN
RONALD RAY KIDD, with Highest
Honors

SCHOOL OF PHYSICAL EDUCATION

Degree of Bachelor of Science

In Physical Education

KENNETH RALPH AHRENS
CHARLES EDWARD BROWN
LEO EDWARD CAHILL
STANLEY FREY CAMPBELL
ALBERT JOSEPH DELVENTO
PAUL LAVERNE ECKERT, with Honors
FLEMING WILLS FLOTT
KENNETH PAUL GOLDBERG
MARY ELLEN JACKSON HIGGINS
GAYLORD CLIFFORD HUGHES
VERNA KRAUSZ KALTENBRONN
PETER S. KARAMBELAS
RUDOLPH JAMES MACCHIONE
ROBERT ERNEST MALINSKY

FRANCIS FREDERICK MILLER
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PAUL EDWARD SEAMAN
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EARL FRANCIS STRINGER
JOSEPH STANLEY SULENSKI
HORACE JUNIOR TANGMAN
HARRY THADDEUS TRYCHTA
MILDRED EDITH TUPPER
DONALD CLEMENT WEISKOPF
NORBERT EUGENE WITTMER
GLENN DOUGLAS WRAY

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THOMAS WILLIAM APLINGTON	DAVID ORRIN HODGKINS
ROBERT HOWARD ARNOLD	ROBERT SAM HOF
FRANK LOUIS BAILEY	HARRY JAMES HOWARTH
JOSEPH ROBERT BALIGA	LEWIS ROY HUBBARD
FREDRICK WILLIAM BALLANTINE	NORMAN DEAN HUGHBANKS
ALFRED WALDO BARKSON	GEORGE SCOTT HUISKEN
ELMO BERNARD BARNEY	JAMES ERNEST IRETON
RICHARD MAURICE BARTH	ELMER LE ROY JACOBSON
FRANK MICHAEL BARTKOWICZ	ALLEN HUNTER JETER
JAMES SMITH BARTON	EDMUND LEWIS JUCEVIC
ROBERT THOMPSON BEAM	LEE KENNETH KAHN
FRED BENJAMIN BENDER	KENT KELLEY
DAVID B. BESSER	LEONARD JOHN KENNARD
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ROBERT PETER BROWN	ROBERT EUGENE KOZELISKI
ROGER KEITH BROWN, with Honors	STANLEY RICHARD KUSSY
TRUMAN AVERY BROWN	EMIL GEORGE LARRAIN
ROBERT LAWRENCE BUNDY	ALLAN LEIGH LATHAM
HENRY LOUIS CAIOTTO	WILLIAM JOSEPH LAWRENCE
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JAMES EARL COOK, with Honors	ROBERT FREDERICK LEU
GREGORY LAWRENCE CURME	DUANE JEFFERSON LILLIBRIDGE
RICHARD CHARLES DETRICH, with Honors	WILLIAM LEONARD LIPPS, JR.
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BERNARD FINKEL	FREDERIC CORRIE MATHIEWS
VERNON CLINTON FISK	LEO RICHARD MAYERS
PAUL LEWIS FITE	LEE PATRICK MCLAUGHLIN
EUGENE JOSEPH FLANAGAN	THOMAS EDWARD JAMES MCNAMARA
FERNAND LOUIS FORTIER, JR.	LOUIS MECAVA
ROBERT WAYNE FOX, with High Honors in Sociology	JAMES MERUTKA
WILLIAM GEORGE FREY	RAYMOND OSCAR MILLER, with Honors
SHERMAN BERNARD FROOMAN	ANDREW MOCKO
ROBERT RALPH FUENER	RODNEY ELMO MOON
MAKOTO FUKUDA	ROY DALE MURPHY
CLARENCE EINAR GAVERT	LAWRENCE MITCHELL NOWICKI
ALVIN IRA GOLDBERG	WILLIAM THOMAS O'BYRNE
JAMES ROGERS GRAVES	DON EARL PALMER
ROBERT NEWELL GRINNELL, with Honors	RICHARD EVERETT PARKER, with Honors
JOSEPH HENRY GROSS	RICHARD SHELDON PARMUTH
VINTON B. GUBBINS	ALBERT DOMINIC PETRELLA
LOUIS GOTTLIEB HAERR, with Honors	JAMES THOMAS PHILLIPS
JAMES EVERETT HALLOWELL	CHARLES PETER QUANSTRUM
THOMAS GASAWAY HANNING	WAYNE MARION RAMSEY
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DONALD GEORGESON REID
 HAMILTON GAUN RIDDLE
 EDWARD GEORGE RITCHE
 DONALD EDWIN SCHMECKPEPER
 RAYMOND JOHN SCHMIT
 ROBERT PETER SCHMIT
 GEORGE ALAN SECRIST
 MATTHEW BROOKS SENN, with Honors
 WILLIAM HENRY SHEHAN
 THEODORE BRUNO SHIMKUS
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 RUSSELL SINENI
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 WILLIAM ROY STALLSWORTH
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 ROBERT WILLIAM SWERMAN
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 KENT NORWOOD WESTRATE
 EDWARD FRANCIS WHITE
 STANLEY EDISON WHITLEY
 DANN LYNN WOOD
 LINDER ELLWOOD WOOLEY
 AUSTIN BOWERS YOUNG
 BEN ARNOLD ZIMMER

The Board adjourned.

A. J. JANATA
Secretary

KENNEY E. WILLIAMSON
President