

MEETING OF THE BOARD OF TRUSTEES

OF THE

UNIVERSITY OF ILLINOIS

June 15, 1935



The June meeting of the Board of Trustees of the University of Illinois was held at the Blackstone Hotel, in Chicago, at 10 o'clock a.m. on Saturday, June 15, 1935.

When the Board convened, the following members were present: President Williams, Mr. Barr, Mr. Barrett, Mrs. Freeman, Mr. Karraker, Dr. Meyer, Mrs. Plumb, Mr. Pogue, Mr. Wieland.

President Willard was present; also Mr. F. M. Gordon, Professor Morey, Judge Johnson, and Mr. Janata.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of April 10, 1935, and of the adjourned sessions of April 20, April 27, May 6, May 10, and May 18, 1935.

On motion of Mr. Barr, the minutes were approved as printed on pages 157 to 202 above.

MATTERS PRESENTED BY PRESIDENT WILLARD

The Board considered the following matters presented by the President of the University.

RESIGNATION OF ASSOCIATE PROFESSOR M. S. McDUGAL

(1) A report that Associate Professor M. S. McDougal of the College of Law has resigned his position to accept an appointment on the Yale Law School faculty.

This report was received for record.

RETIREMENT OF DR. CHARLES E. HUMISTON

(2) A request from Dr. Charles E. Humiston, Professor of Surgery on the Clinical Faculty in the College of Medicine, who will reach the retiring age in March, 1936, that he be retired from active service, effective May 15, 1935. Doctor Humiston has been on the faculty for the past thirty-three years and asks to be relieved of services at this time because he is engaged in numerous educational and administrative activities of such organizations as the American Medical Association in addition to his surgical practice. I recommend that Doctor Humiston be retired effective May 15, 1935, with the rank of Professor of Surgery, *Emeritus*.

On motion of Dr. Meyer, this recommendation was approved.

APPOINTMENT OF EDWARD BYERS WILCOX TO BOARD OF EXAMINERS IN ACCOUNTANCY

(3) A recommendation that Mr. Edward Byers Wilcox, C.P.A., partner in the firm of Edward E. Gore and Company, be appointed to the Board of Examiners in Accountancy for a term of three years, beginning July 1, 1935, vice Mr. E. B. McGuinn, whose term expires on that date.

On motion of Mr. Barr, this recommendation was concurred in.
At this point, Mr. Mayer took his place with the Board.

**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
ADVISORY COMMITTEES**

(4) A recommendation from the Dean of the College of Commerce and Business Administration for the authorization of advisory committees to serve in an advisory capacity to the faculty. Similar committees are appointed each year for the College of Agriculture and the Agricultural Experiment Station. The plan would involve no expense and would provide excellent contacts and valuable suggestions for the faculty.

I recommend approval.

On motion of Mr. Barrett, this recommendation was concurred in.

CURRICULUM IN ART EDUCATION

(5) A recommendation from the University Senate that the following Curriculum in Art Education, requiring 130 semester hours for graduation, be established. The first two years of this curriculum are identical with the Curriculum in Painting. The degree granted will be Bachelor of Fine Arts in Art Education. Only one additional course is involved.

<i>First Year</i>			
FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Art 25a, Drawing & Anatomy . . .	4	Art 25b, Drawing & Anatomy . . .	4
Arch. 71a, Elem. of Arch.	3	Arch. 72a, Elem. of Arch.	3
Rhetoric 1	3	Rhetoric 2	3
Language	4	Language	4
Hygiene	2	Art 50, Modeling	2
Physical Education	½-1	Physical Education	½-1
Military	1	Military	1
<i>Total</i>	17-17½	<i>Total</i>	17-17½

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Art 11, Hist. of Fine Arts.....	2	Art 12, Hist. of Fine Arts.....	2
Art 27, Life Drawing.....	5	Art 28, Life Drawing.....	5
Art 32a, Composition.....	2	Art 32b, Composition.....	2
Art 41a, Still Life.....	2	Art 41b, Still Life.....	2
Physical Education.....	$\frac{1}{2}$ -1	Physical Education.....	$\frac{1}{2}$ -1
Military.....	1	Military.....	1
Elective.....	4	Elective.....	4
<i>Total</i>	16-16 $\frac{1}{2}$	<i>Total</i>	16-16 $\frac{1}{2}$

Third Year

Art 13, Art Appreciation.....	3	Art 14, Art Appreciation.....	3
Art 10a, Course for Teachers....	3	Art 10b, Course for Teachers....	3
Art 33a, Composition.....	2	Art 33b, Composition.....	2
Psych. 1, General Psychology....	4	Art 9, Applied Art Teaching.....	3
Elective.....	3	Ed. 25, Ed. Psychology.....	3
		Elective.....	3
<i>Total</i>	15	<i>Total</i>	17

Fourth Year

Ed. 10, Technic of Teaching.....	3	Ed. 6, Secondary Education.....	3
Ed. Prac. 9, Drawing, Art.....	5	Ed. Prac. 9, Drawing, Art.....	5
Elective.....	7 or 8	Elective.....	7 or 8
<i>Total</i>	15 or 16	<i>Total</i>	15 or 16

I recommend approval.

On motion of Mr. Karraker, this curriculum was adopted.

REVISION IN CURRICULUM IN PAINTING

(6) A recommendation from the University Senate that the graduation requirements of the Curriculum in Painting be reduced from 133 to 130 semester hours, and that the curriculum be revised as follows:

First Year

Art 25a, Drawing & Anatomy....	4	Art 25b, Drawing & Anatomy....	4
Arch. 71a, Elem. of Arch.....	3	Arch. 72a, Elem. of Arch.....	3
Rhetoric 1.....	3	Rhetoric 2.....	3
Language.....	4	Language.....	4
Hygiene.....	2	Art 50, Modeling.....	2
Physical Education.....	$\frac{1}{2}$ -1	Physical Education.....	$\frac{1}{2}$ -1
Military.....	1	Military.....	1
<i>Total</i>	17-17 $\frac{1}{2}$	<i>Total</i>	17-17 $\frac{1}{2}$

Second Year

Art 11, Hist. of Fine Arts.....	2	Art 12, Hist. of Fine Arts.....	2
Art 27, Life Drawing.....	5	Art 28, Life Drawing.....	5
Art 32a, Composition.....	2	Art 32b, Composition.....	2
Art 41a, Still Life.....	2	Art 41b, Still Life.....	2
Physical Education.....	$\frac{1}{2}$ -1	Physical Education.....	$\frac{1}{2}$ -1
Military.....	1	Military.....	1
Elective.....	4	Elective.....	4
<i>Total</i>	16-16 $\frac{1}{2}$	<i>Total</i>	16-16 $\frac{1}{2}$

<i>Third Year</i>			
FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Art 13, Art Appreciation.....	3	Art 14, Art Appreciation.....	3
Art 29, Life Draw. & Sketch.....	4	Art 30, Life Draw. & Sketch.....	4
Art 33a, Composition.....	2	Art 33b, Composition.....	2
Art 35a, 42a, 51a, 10a (3).....	2	Art 35b, 42b, 51b, 10b (3).....	2
Art 44a, Portrait.....	2	Art 44b, Portrait.....	2
Elective (Engl. or Amer. Lit.)....	3	Elective (Engl. or Amer. Lit.)....	3
<i>Total</i>	16	<i>Total</i>	16

<i>Fourth Year</i>			
Art 34a, 43a, 52a (2).....	3	Art 34b, 43b, 52b (2).....	3
Art 47, Life Painting.....	5	Art 48, Life Painting.....	5
Art 90a, Original Project.....	2	Art 90b, Original Project.....	2
Elective.....	5-6	Elective.....	5-6
<i>Total</i>	15-16	<i>Total</i>	15-16

Total 130 hours for graduation, including Military and Physical Education.

There has been a shifting in the content of the various Art courses in which the work has been realigned and some courses absorbed in others, which accounts for the difference in the four hours of credit.

On motion of Mr. Barrett, this curriculum was approved.

SABBATICAL LEAVES OF ABSENCE

(7) In accordance with the administrative procedure authorized by the Board on April 20, 1935, for dealing with applications for sabbatical leaves, all such applications for the academic year 1935-1936, which have been received since that action, were submitted to the Graduate School Research Board for its consideration and recommendation to the President and are now being submitted to the Board for action at one time. I recommend approval of the following leaves:

Professor James W. Garner, Department of Political Science.....	First Semester.....	Full pay
Professor J. T. Buchholz, Department of Botany.....	Second Semester.....	Full pay
Professor J. M. Mathews, Department of Political Science.....	Second Semester.....	Full pay
Professor Jakob Kunz, Department of Physics.....	Second Semester.....	Full pay
Mrs. Nell C. B. Johnston, Assistant Professor of Education.....	Second Semester.....	Full pay
Professor E. E. Bauer, Department of Civil Engineering.....	Second Semester.....	Full pay
Professor E. E. Nearpass, Department of Art.....	Second Semester.....	Full pay
Professor J. W. Albig, Department of Sociology.....	Second Semester.....	Half pay
Professor R. R. Barlow, School of Journalism.....	One Year.....	Half pay

In each case the department concerned agrees to provide for the work of the absentee, in accordance with the statute governing sabbatical leaves, without additional expense to the University.

On motion of Mrs. Freeman, these leaves were granted.

LEAVE OF ABSENCE FOR MR. E. A. NORTON

(8) A recommendation that the leave of absence without pay for one year from June 10, 1934, granted E. A. Norton, Assistant Chief in Soil Survey, be extended from June 10 to September 1, 1935, with the understanding that in

case Mr. Norton does not desire to return to the University by September 1, he will then resign his University position.

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

LEAVE OF ABSENCE FOR MABEL DEERE

(9) A report that Miss Mabel Deere, Editorial Assistant in the Agricultural Experiment Station, has been given a leave of absence without pay from July 15 to September 1, 1935, for the purpose of travel in Europe.

This report was received for record.

ASSIGNMENT FROM CONTINGENT FUND

(10) In accordance with the action of the Board of Trustees on May 18, the Governor was requested to make the following assignments from the Contingent Fund of the University from 1933 to 1935:

Remodeling Physical Plant Tool Room and Warehouse.....	\$10 000
Replacement of Plastering.....	5 000

Mr. Barrett, who took this matter up with him, reports that the Governor has assigned the \$5,000 for plastering but is withholding approval of the request for the other item.

This report was received for record.

ASSIGNMENTS FROM THE CONTINGENT FUND

(11) A statement that there is urgent need for the expenditure of at least \$100,000 for improvements, in addition to the balance in the Contingent Fund, and a recommendation that the Governor be requested to make assignments from the Contingent Fund in the University's appropriation for 1933-1935 as follows:

Remodeling Physical Plant Tool Room and Warehouse.....	\$10 000
(This item has previously been submitted to the Governor but it has not yet been approved; suggest that Mr. Barrett be requested to take this matter up with him.)	
Library Bindery.....	6 200
Part of Engineering Equipment.....	10 000
Remodeling Offices.....	9 100
Part of Paving Campus Streets and Drives.....	14 500
<i>Total</i>	<u>\$49 800</u>

On motion of Mr. Barrett, it was voted that the Governor be requested to release the entire amount of the balance in the Contingent Fund, and that the Governor be supplied with a complete itemized statement of the pressing needs of the University beyond the amount remaining in the Contingent Fund (See page 215 below).

REAPPROPRIATION OF UNUSED BALANCES

(12) A recommendation that the following estimated balances in certain funds, as of June 30, 1935, be reappropriated for the purposes indicated:

ESTIMATED BALANCES AS OF JUNE 30, 1935

Self-supporting funds:

Accountancy Committee.....	\$36 000 00	
Agricultural Extension Revolving Fund	16 000 00	
Dairy Creamery.....	4 000 00	
Entrance Examinations.....	400 00	
Home Economics Cafeteria.....	1 400 00	
Military Bands Revolving Fund.....	200 00	
Military Clothing and Equipment Fund	3 500 00	
Military Overcoat and Glove Fund...	500 00	
Purnell Revolving Fund.....	2 000 00	
University Chorus.....	<u>160 00</u>	\$64 160 00

<i>Amount brought forward</i>			\$64 160 00
Special Appropriations for Uncompleted Activities (Until September 30, 1935 only):			
Operation:			
Budget Survey.....	\$2 800 00		
Chicago Office Rearrangement.....	800 00		
Engineering Booklet.....	990 00		
Graduate Research Assignments.....	381 00		
Industrial Agricultural Research.....	1 600 00		
Registrar's Records.....	2 000 00	\$8 571 00	
Plant Additions:			
Elevated Water Tank and Connections	\$40 000 00		
Saline Drainage District Improvements	6 185 00		
Stop Lights.....	1 700 00	\$47 885 00	\$56 456 00
<i>Total</i>			\$120 616 00

On motion of Mr. Barr, these balances were reappropriated as recommended, by the following vote: Aye, Mr. Barr, Mr. Barrett, Mrs. Freeman, Mr. Karraker, Mr. Mayer, Dr. Meyer, Mrs. Plumb, Mr. Pogue, Mr. Wieland, Mr. Williams; no, none; absent, Mr. Horner.

IMPROVEMENT OF CAMPUS INTERSECTIONS OF GREEN STREET

(13) A statement from the Director of the Physical Plant Department concerning the improvements of the intersections of Green and Wright Streets and Green Street and Mathews Avenue, and the installation of traffic lights at these intersections, and a recommendation that an appropriation of \$4,100 be made from the General Reserve Fund for the straightening of the intersections.

Mr. Barrett offered a motion that the intersections be straightened and the appropriation made as recommended. The vote was as follows: Aye, Mr. Barrett, Mr. Mayer, Dr. Meyer, Mrs. Plumb, Mr. Pogue; no, Mr. Barr, Mrs. Freeman, Mr. Karraker, Mr. Wieland, Mr. Williams; absent, Mr. Horner.

As the vote was a tie, the Chair declared the motion lost.

BIDS ON ELEVATED WATER TANK

(14) The Director of the Physical Plant Department reports that the following bids were received on the elevated water tank:

Chicago Bridge & Iron Works.....	\$19 385 00
Pittsburgh-DesMoines Steel Company.....	20 950 00
McClintic-Marshall Corporation.....	22 500 00

The lowest bid is within the amount budgeted under the appropriation and is in accordance with the specifications submitted. In accordance with the action of the Board of Trustees on May 18, the Chairman of the Committee on Buildings and Grounds, the Director of the Physical Plant Department, and the President of the University, awarded the contract for the tank to the lowest bidder.

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

CHAIR OF SLAVONIC LANGUAGES

(15) On May 18 the Board requested that the University Senate be asked to consider a proposal that there be established at the University a chair of Slavonic languages. On May 20 I asked the Senate Committee on Educational Policy to study this matter and to report as soon as possible. In view of the recommendation of the Committee this report was not submitted to the Senate, but is being submitted directly to the Board at this time.

June 1, 1935

President Arthur Cutts Willard, Administration Building

DEAR PRESIDENT WILLARD:

Under date of May 20, 1935, you requested the Committee on Educational Policy to consider the desirability of establishing a Chair of Slavonic Languages in the University, and to report to you as soon as possible in order that the question might be presented to the Senate at its meeting on June 3, 1935.

Since receiving your communication, the Committee has made a careful study of the matter, and has conferred individually with many members of the faculty in order to determine the probable demand for such courses. We have also conferred with the members of the Special Committee, appointed on February 27, 1934, by Acting President Daniels, to consider the same proposal brought to the attention of the University by the Czechoslovak National Council of America.

As a result of its investigations, the Committee is unanimously of the opinion that to undertake expansion in the direction indicated would be unwise at the present time, unless the additional cost thereby entailed would be covered from sources other than the Public Funds of the State. To obtain an instructor of the type the University would wish to place in charge of such courses probably would require a salary of at least four thousand dollars per annum. In addition, liberal expenditures for books and periodicals would be necessary, particularly during the first few years. Thus a Chair of Slavonic Languages would probably necessitate a minimum annual expenditure of five thousand dollars.

In view of the retrenchment policy which every part of the University has been compelled to adopt during recent years, the Committee is of the opinion that to embark upon an adventure of the sort in question would be unfortunate. In this connection, the fact should not be overlooked that for work already established, the purchase of books, supplies, and items of permanent equipment has been curtailed to the point where replacement and additions are becoming more and more imperative.

The Committee also has considerable doubt as to the demand for courses in the Slavonic Languages. As was pointed out by the Special Committee, of which Director Windsor was chairman, the cultural advantages which accrue from the study of a foreign language are rather slight if based upon less than two years of study. Indeed, courses beyond the first two years are usually necessary if one is to become sufficiently expert to appreciate fully the literature of the language. In the judgment of the Committee it is not likely that an adequate number of students would select courses in any one of the Slavonic Languages to justify such a program. Experience has shown that students of foreign descent rarely select for study at the University the languages of their forefathers. Thus it is rather unusual for a boy or a girl of Italian descent to take courses in the Italian Language or Literature. This is unfortunate inasmuch as such students, because of their background and knowledge of the fundamentals of the language, could probably acquire the greatest proficiency in its use. In the case of the Slavonic Languages it is likely that a similar condition would exist. Indeed, the enrollment probably would consist of a small group of students who, in certain branches of science, might find one of the Slavonic Languages of greater value in his specialty than German, French, Italian, or Spanish.

As far as we have been able to ascertain, the only universities in which a course in one of the Slavonic Languages is offered at the present time are California, Chicago, Columbia, Harvard, and Michigan. The Registrar has communicated with each of these institutions in order to secure data concerning the enrollment in their courses. These data will be forwarded to you as soon as they become available to us. Special attention should be called to the fact that courses in Russian are offered at the University of Chicago, and are thus readily available to a large number of citizens of the State who are of Slavonic descent.

In the opinion of the Committee several other branches of knowledge not being offered by the University would attract an equal or larger number of students than the Slavonic Languages. Courses in Hebrew, and more extensive opportunities in the Scandinavian Languages are subjects which might well be considered for future expansion. Courses in Archaeology and Anthropology certainly would attract large numbers of students. Illinois presents unusual opportunities for valuable investigations in the latter fields. If any enlargement of our present program is to be undertaken the latter subjects would seem to demand first consideration. On the other hand, the Committee does not advise the initiation of courses in these especially important fields until more adequate support is provided for the present program of the University.

In conclusion the Committee wishes to emphasize the fact that its adverse recommendation regarding the Slavonic Languages is not dictated by a lack of appreciation of their scientific and cultural values. It is generally agreed that the teaching of these languages is highly desirable. If a chair could be endowed from *outside sources*, with the sum of five thousand dollars becoming available each year, the Committee would heartily welcome the addition of these subjects to our present offerings.

Very truly yours,

E. L. BOGART
FREDERICK GREEN
WALTER S. MONROE
GLENN R. MORROW
H. A. RUEHE
F. B. SEELY
WM. C. ROSE, *Chairman*

On motion of Mr. Barrett, action on this matter was deferred, pending further consideration by the President of the University and the Committee on General Policy.

At this point, at 1:15 p.m., the Board took a recess for luncheon.

AFTERNOON SESSION, JUNE 15, 1935

When the Board convened after the recess on June 15, 1935, the same persons were present as during the morning session.

REPORTS OF COMMITTEES

The Board considered the following reports of standing and special committees.

AMOUNT OF FEE OF MR. ARTHUR ANDERSEN

Mr. Mayer reported that he had held a conference with Mr. Arthur Andersen concerning the amount of his fee as a member of the Commission to make an Independent Survey of the University Budget, and that Mr. Andersen had reduced the amount of his fee to \$4,000.

On motion of Mr. Mayer, this bill was accepted and ordered paid, together with the amount for out-of-pocket expenses.

FIRE INSURANCE ON BUILDINGS

Mr. Barrett presented a report of the Committee on Buildings and Grounds:

At a meeting of the Buildings and Grounds Committee, to which the above matter was referred, held at Urbana in the Trustees' Room in the Administration Building at 9:00 a.m. on Saturday, June 8th, were present: O. M. Karraker, Mrs. Nellie V. Freeman, Harold A. Pogue, Edward E. Barrett, Chairman, and Charles S. Havens, Director of Physical Plant.

After discussing the written recommendations and suggestions of Mr. Charles S. Havens, Director of Physical Plant, and Mr. Lloyd Morey, Comptroller, and discussing the matter with Mr. Havens before the Committee, the following recommendation is made to the Board of Trustees:

That fire insurance be taken out on the following buildings:

Old Medical Building

Dental Building, Chicago

Pharmacy Building (old portion only), Chicago

Farm Buildings on the Carter-Pennell Farm, North (to cover fire, wind storm, and hail)

Farm Buildings on the Carter-Pennell Farm, South (to cover fire, wind storm, and hail)

Nally Store (for fire and wind storm)

Nally Residence (for fire and wind storm)

Martin Farm Buildings (for fire and wind storm)

It was also recommended that the Chemistry Building at the University be covered by fire insurance provided the rate is not excessive; also, that all of the Greenhouses be covered with hail-storm insurance, provided the rate is not excessive. The Comptroller has been asked to secure rates covering these two risks, and upon receipt of this information, the Board will be asked to make the determination.

NELLIE V. FREEMAN

O. M. KARRAKER

HAROLD POGUE

EDWARD E. BARRETT, *Chairman*

On motion of Mr. Barrett, this report was adopted.

REPORT OF THE COMMITTEE ON FEES AND SCHOLARSHIPS

Mr. Barrett presented the following report:

At a meeting of the above Committee held in the Trustees' Room in the Administration Building at the University on Saturday, June 8th, at 11 a.m., there were present: Mr. George A. Barr, Mr. Harold A. Pogue, and Mr. Edward E. Barrett, Chairman.

The report submitted by the Faculty Committee on fees and scholarships of its study of the matter of fees in the various departments of the University was read and discussed. It is the unanimous recommendation of this special committee that the following recommendations made by the Faculty Committee be approved by the Board of Trustees:

1st.—That there shall be no differential in the incidental or tuition fees between the several undergraduate colleges and divisions on the Urbana campus.

2nd.—That there shall be no differential in the incidental or tuition fees between successive class levels, that is, aside from special laboratory fees the cost to the student in the senior year shall not be greater than the cost in the freshman year. It is recognized, however, that the cost of instruction at the higher levels is greater than it is at the lower levels. The Committee leaves the suggestion that should the financial situation of the University require it, the incidental or tuition fees for the last two years could be raised as compared with the first two years with a minimum of interference to the various colleges concerned. It is pointed out by the Faculty Committee that for every \$5.00 increase at the upper levels, that is, the last two years, the income would be increased by approximately \$30,000 a year.

3rd.—That the various departments be requested to scrutinize their fee lists again (a) for the purpose of bringing them up to date, and (b) in order to examine the possibility of including in the laboratory fees a reasonable charge for such items as gas, electricity, water, compressed air, liquid air, steam, etc., that are actually used in equipment for laboratory instruction, together with pro-rated costs of apparatus that is especially subject to rapid wear and loss. In short, it is recommended that the present basis for computing laboratory fees be continued in principle, but that the principle be extended

slightly to cover all materials that are actually consumed in laboratory work as distinct from heating, lighting, and other permanent maintenance.

In addition to the above recommendations, the Faculty Committee on Fees and Scholarships has made the following recommendations which have not yet been acted upon by the Board:

1st.—*County Scholarships*: The Committee recommends that these scholarships continue without change, except on the value of the fee exemption, which is covered in the last recommendation on this report.

2nd.—*Civil War and Military Scholarships*: Only a small number of these scholarships are awarded. They do not constitute a serious problem, and what question there may be concerning them will be solved in the course of time as these scholarships will diminish in number.

3rd.—*Law and Music Scholarships*: These scholarships are few in number and are awarded on the basis of scholastic achievement. The Committee recommends that they be retained as they are.

4th.—*Summer Session Scholarships*: The Committee has considered the Summer Session scholarships. They have the value of \$12 each and are available to "all high school teachers in Illinois and all other teachers in the State who can matriculate in the University." In the summer of 1933 their total value was \$12,564. The Committee considered lessening the value of these scholarships but came to the conclusion that the granting of them was a service the University should maintain, as all the persons who are given this privilege are working in the cause of education. As a rule they are awarded to persons who are poorly paid and who are struggling under handicaps to fit themselves better for their teaching work. There also is the factor that these scholarships tend to promote good relations between the University and the people in the public schools. The Committee recommends that these scholarships be retained with one change:

The statement on Summer Session scholarships, after making such scholarships available to teachers and librarians in the State, provides further that such scholarships are available *also to persons graduated from the teachers' colleges of Illinois during the academic year preceding the session in which the scholarship is desired*. The Committee sees no reason for the retention of the statement in italics, since provision is made for teachers and those under contract to teach. Further, the Committee sees no reason for granting scholarships to graduates of teachers' colleges and not to the graduates of our own College of Education. It recommends that this provision be stricken out.

5th.—*General Assembly, Agricultural, Home Economics, and Ceramic Scholarships*: Action on these scholarships has already been referred to the Board in the February, March, and April meetings.

Respectfully submitted,

GEORGE A. BARR

HAROLD POGUE

EDWARD E. BARRETT, *Chairman*

On motion of Mr. Barrett, this report was adopted.

REPORT OF THE COMMITTEE ON PATENTS

Mr. Barrett presented the following report:

The meeting of the Committee on Patents was held in the Trustees' Room in the Administration Building of the University on Saturday, June 8th, at 10 a.m. There were present at this meeting Mr. Harold A. Pogue and Mr. Edward E. Barrett, Chairman (constituting a majority of the Committee). There were also present at this meeting Dr. D. B. Keyes, Professor of Industrial Chemistry, and Dr. H. F. Johnstone, Special Research Associate in Chemical Engineering.

The Committee discussed at length the value of the discoveries made by Dr. Keyes and Dr. Johnstone for the removal of sulphur in flue gases, for which discovery the University applied for four patents, which are now practically completed in the patent office and ready to issue. According to Dr. Keyes, this is one of the most valuable discoveries made in the research laboratories at the University. Since the original patents were applied for, the process has been perfected through additional discoveries which will require supporting patents. It will probably require four additional patents at a cost of approximately \$500 each. The money will not necessarily be expended at any one time, but may run over a period of two years. It is the recommendation of the Committee on Patents that the value of this discovery warrants the supporting patents, and that appropriations should be made from time to time to cover these applications.

The Utilities Research Commission consider this discovery of sufficient value that they are at the present time expending close to \$100,000 for an experimental plant under the license granted them for the use of the original patents. They have also spent, according to Dr. Keyes, approximately \$55,000 in research work. This alone indicates the value of this discovery.

MRS. MARIE C. PLUMB
HAROLD POGUE
EDWARD E. BARRETT, *Chairman*

On motion of Mr. Barrett, this report was adopted.

COMMITTEE ON STATUTES

Mr. Barrett, for the Committee on the Revision of the Statutes, made a report of progress.

INVESTMENT OF ENDOWMENT FUNDS

Mr. Karraker presented a request that the Finance Committee be authorized to invest \$27,000 of uninvested endowment funds in suitable bonds.

On motion of Mr. Karraker, this investment was authorized.

CONTRACT FOR LIBRARY STACKS

Mr. Karraker, for the Finance Committee, reported that a contract for the purchase of library stacks from Snead and Company, consideration \$8,973, executed by the President and the Secretary of the Board on April 18, 1934, according to an appropriation made in the Physical Plant budget for 1933-1934, had not been listed in the minutes of the Board.

AUDIT OF ACCOUNTS OF ATHLETIC ASSOCIATION

Mr. Karraker presented a recommendation of the Finance Committee that the audit of the accounts of the Athletic Association be made by the firm of accountants who audit the accounts of the University.

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

HEADSHIP OF DEPARTMENT OF SURGERY

Dr. Meyer called attention to the fact that permanent appointment had not been made to the headship of the Department of Surgery in the College of Medicine, and requested that attention be given this matter at an early date.

At this point, Mr. Mayer withdrew.

MATTERS PRESENTED BY PRESIDENT WILLARD

The Board resumed the consideration of matters presented by the President of the University.

SEWAGE TREATMENT RESEARCH

(16) The Illinois Association of Sanitary Districts requests that the University assign an amount of \$10,000 a year for additional research work by the Engineering Experiment Station on sewage treatment and the elimination of stream pollution. The sum of \$3,000 was assigned by the Board last year for such research work, and a similar provision is being made in the budget for 1935-1937. If, as the Association requests, \$10,000 a year is to be spent on this work, additional funds in the amount of \$7,000 a year will be needed. The Association proposes that the Legislature be requested to make a special appropriation for this purpose.

On motion of Dr. Meyer, the Secretary was instructed to inform the Association that the Board regrets the impossibility of changing the appropriation bill to provide for this valuable work at this time, and to express the sympathy of the Board with the purposes of the Association.

EXPENSES OF BUDGET SURVEY

(17) The total assignments of funds requested of the Governor for the expenses of the Budget Survey are \$8,500.00.

The Comptroller reports that the total expenses of the Budget Survey are as follows:

1. Services of W. W. Charters:		
Services of Doctor Charters.....	\$1 500 00	
Services of Dr. T. C. Holy.....	500 00	
Travel, clerical, and other expenses.....	465 47	\$2 465 47
2. Services of Arthur Andersen:		
Expenses.....	\$ 702 35	
Services, payment on account.....	2 500 00	
Due Mr. Andersen.....	1 500 00	4 702 35
Total expense.....		\$7 167 82

This report was received for record.

APPROPRIATIONS FOR VARIOUS PURPOSES

(18) A recommendation that appropriations be made from the General Reserve Fund for the following purposes:

1. Supplementary appropriations for operating expenses for balance of fiscal year:	
A. Library.....	\$1 650
B. Dean of Men.....	500
C. University Health Service.....	350
2. General Printing and Publishing.....	2 500
3. Physical Plant Department (Fans for Summer Session).....	300
4. Radio Station: Legal and engineering services in connection with hearing before the Federal Communications Commission involving the allocation of power to the University, and equipment	2 500
Total.....	\$7 800

During the presentation of this matter, President Williams, being called from the room, asked Mr. Karraker to take the chair.

On motion of Mr. Barrett, these appropriations were made, by the following vote: Aye, Mr. Barrett, Mrs. Freeman, Mr. Karraker, Dr. Meyer, Mrs. Plumb, Mr. Pogue, Mr. Wieland; no, none; absent, Mr. Barr, Mr. Horner, Mr. Mayer, Mr. Williams.

APPROPRIATIONS FOR VARIOUS PURPOSES

(19) I recommend that appropriations be made for the following purposes with the understanding that items aggregating \$89,800 be submitted to the Governor with the request for the assignment of the balance of the Contingent Fund, the remainder to be appropriated from the General Reserve Fund (See page 207 above).

1. Remodeling Physical Plant Tool Room and Warehouse (Minutes, January 19, 1935)	\$10 000
2. Additional partitions, fourth floor, Library Building (Minutes, January 19, 1935)	3 000
3. Equipment for College of Engineering, additional (Minutes, January 19, 1935)	22 000
4. Final payment on contract for Lincoln Avenue sewer (Minutes, October 21, 1932)	10 000
5. Library Bindery	6 200
6. Remodeling Offices	9 100
7. Paving campus streets and drives (Gregory Drive east of Burrill Avenue and Goodwin Avenue)	17 000
8. Completion of fencing of University Woods	7 500
9. Landscaping	5 000
<i>Total</i>	\$89 800

On motion of Mr. Wieland, these appropriations were made as recommended, by the following vote: Aye, Mr. Barr, Mr. Barrett, Mrs. Freeman, Mr. Karraker, Dr. Meyer, Mrs. Plumb, Mr. Pogue, Mr. Wieland; no, none; absent, Mr. Horner, Mr. Mayer, Mr. Williams.

BABBITT-SCHLENZ PATENT FOR TREATMENT OF SEWAGE SLUDGE

(20) The Dean of the College of Engineering recommends that the public be given the right to use the patent granted to H. E. Babbitt, Professor of Sanitary Engineering, and H. E. Schlenz, of the Pacific Flush Tank Company (formerly a member of the Engineering Experiment Station Staff), covering a special form of two-stage digestion tank for the treatment of sewage sludge.

The essential object in obtaining patent protection was to guard against public exploitation of this device from private sources. So far as Illinois municipalities are concerned, it would appear that a minimum license fee sufficient to reimburse the University in time for the actual outlay in obtaining patent protection was a reasonable and sound public policy. The same reason does not exist for permitting the free use, or for a nominal charge, of the patent by municipalities outside of Illinois.

On motion of Mr. Barr, this matter was referred to the Committee on Patents for consideration and recommendation.

At this point President Williams returned, and resumed the chair.

REPORT OF PURCHASES AND OTHER EXPENDITURES AUTHORIZED

(21) A report that in accordance with the authority granted by the Board of Trustees to the President of the University on May 22, 1934, the following purchases amounting to \$1,000 and over have been authorized as emergency items:

One carload (10,000 gal.) gasoline from the Johnson Oil Refining Company, lowest of four bidders, at a price of \$1,080 f.o.b. Urbana, and including the State tax.

Cast-iron pipe and fittings for water line to be laid to the new elevated tank, from James B. Clow and Sons, Chicago, the lowest of four bidders, at a price of \$5,181.46 f.o.b. Urbana.

Painting and decorating in the Woman's Residence Halls, at an estimated cost of \$3,550 to be paid out of the reserve for repairs and replacements set

aside out of Residence Hall income and in accordance with action of the Board (Minutes, June 15, 1934, page 586).

Book paper (500 reams, 60# ; 350 reams, 70# ; 125 reams, 45#—all "A" grade English Finish) from the Dwight Brothers Paper Company, the lowest of nine bidders, at a price of \$3,637.63 f.o.b. Urbana. The paper is for publications of the Agricultural Experiment Station, and funds are available in its budget to cover the cost.

Eleven automobiles (8 coupes and 3 sedans)—the annual replacement of Federal Extension cars—from the E. V. Kirby Motor Company, at a cost of \$2,704.64.

The action of the President of the University authorizing these purchases was confirmed.

ENDOWMENT OF EDMUND JAMES LECTURES ON GOVERNMENT

(22) Mrs. George E. Frazer, of Winnetka, Illinois, daughter of the late President Edmund James James, offers the amount of \$5,000 as a permanent endowment of an annual public lecture in the field of government as a memorial to her father, under the following conditions:

1. This fund shall be known as "Edmund James Lectures on Government" and the lecturer shall be designated as "The Edmund James Lecturer on Government."

2. The income of the fund is to be used to pay the fee and travel expenses of the lecturer, and no part of the principal is to be used.

3. The University will provide a suitable place for the lectures, open to all students and faculty of the University.

4. The University will have the sole right to print and publish the lectures.

5. The lectureship shall be administered by a committee of the faculty including professors of political science and economics. This committee will make nominations of lecturers, will determine the amount of the fee to be paid, and will have charge of any other details of administration of the lectureship.

6. Should any lecturer waive the fee, or should any part of the income be unused in any year, it may be used to supplement the income of future years or added to the principal of the fund, according to the discretion of the Board of Trustees.

Mrs. Frazer is prepared to turn over to the University Government Bonds in the amount of \$5,000 par value in a permanent trust fund as an endowment of this lectureship.

I recommend acceptance of this offer. Announcement was made of it at the Commencement exercises on June 10, and I have already written Mrs. Frazer expressing the appreciation of the Board of Trustees for her generous offer.

On motion of Mr. Wieland, this gift was accepted.

GRANT FROM THE ROCKEFELLER FOUNDATION

(23) A report that the Rockefeller Foundation has made a grant of \$5,000 to the University for the researches of Professor W. C. Rose of the Department of Chemistry on amino acids during the academic year 1935-1936.

I recommend acceptance of this offer.

On motion of Mr. Barr, this grant was accepted.

At this point, Mr. Wieland withdrew.

STATE GEOLOGICAL AND NATURAL HISTORY SURVEYS BUILDING

(24) The following statement from the Building Committee of the State Board of Natural Resources and Conservation concerning the preparation of plans for the proposed new State Geological and Natural History Surveys Building, its financing, construction, and maintenance.

I. Plans:

a. Preliminary plans and cost estimates are now being prepared in the Supervising Architect's office in the Department of Public Works. It was agreed that these would furnish an adequate basis for initial application to the Public Works Administration for Federal funds.

b. It was agreed that final plans and estimates should be prepared by the Supervising Architect's office in consultation with the Physical Plant Department of the University in the manner covered by President Willard's letter of May 2 to Messrs. Leighton and Frison.

c. Final plans and estimates shall be subject to approval and acceptance by the Department of Registration and Education and by the Board of Trustees of the University of Illinois.

II. Financing:

a. It was agreed that application to the Public Works Administration for financial aid for the construction of the Surveys Building should be made by the State Department of Registration and Education. President Williams indicated his confidence that the Board of Trustees of the University would be glad to lend this application their full support.

b. It was agreed that an item representing an equitable proportion of the cost of extension of service lines to the building should be included in the request for funds. Until the site of the building is finally selected this item will have to be tentatively estimated.

c. It was agreed that a site for the building mutually agreeable to the University and to the Board of Natural Resources and Conservation should be provided by the University.

d. It is understood that the University should assume no financial obligations for the construction of the building.

III. Construction:

a. It is understood that the duties of the State Architect's office shall terminate with the acceptance and approval of the plans by the Department of Registration and Education and by the Board of Trustees.

b. The University of Illinois shall have complete supervision of the construction of the building, subject only to any restrictions imposed by the Public Works Administration.

IV. Maintenance:

a. It was agreed that the full cost of operation and maintenance of the building should be borne by the University.

I recommend approval of the plan, as outlined, with the understanding that the full cost of operation and maintenance of the building should be borne by the University.

On motion of Mr. Barr, this plan was approved.

**ARCHITECTURAL SERVICES FOR SECOND UNIT OF
MEDICAL AND DENTAL COLLEGE
LABORATORIES BUILDING**

(25) The Director of the Physical Plant Department requests approval of the following statement of the relationship between the University and Granger and Bollenbacher, architects, who designed the second unit of the Medical and Dental College Laboratories Building, if the construction of this unit is undertaken.

(A) That the architects will furnish such architectural estimates, reports, etc., as may be required by the government, as part of their professional services, without change in the rate of pay provided by the contract, excepting that if any substantial changes are required in the drawings or specifications now completed, such additional work shall be paid for at a rate agreed upon in advance;

(B) That the University will have the privilege of providing such men in its employ as it may see fit to check the work in progress, such checking to be in addition to and independent of the work of the superintendent provided by them;

(C) That the Physical Plant Department will represent the University in matters relative to the design and construction of this building, excepting where authority rests with or is reserved to the President and/or the Board of Trustees;

(D) That no changes shall be made in connection with either the drawings and specifications or the actual construction itself involving a change in cost, excepting on written approval of the Physical Plant Department;

(E) That the professionally trained personnel of the Physical Plant Department of the University will assume all duties previously exercised or provided to be exercised by the late James M. White;

(F) That the structural drawings and specifications shall be completed as part of the work for which they have been compensated;

(G) That the University reserves the right to buy such equipment and furnishings through its own organization as may be determined upon, their commission being paid only on such items as are provided under their direction.

The architects have already agreed in writing to this statement of the conditions and I recommend that it be approved.

On motion of Mrs. Freeman, this plan was approved.

President Williams requested the Committee on Chicago Departments to take charge of the matter of securing a grant of federal funds for the construction of this building, and to make recommendations to the Board.

FEDERAL FUNDS FOR MEDICAL AND DENTAL LABORATORIES BUILDING

(26) The following letters from the Director of the State Department of Public Works and Buildings and the Administrator of the Federal Emergency Relief Administration of Public Works:

DEPARTMENT OF PUBLIC WORKS AND BUILDINGS

June 13, 1935

Hon. A. C. Willard, President, University of Illinois

MY DEAR PRESIDENT WILLARD:

I give you with this note letter dated June 6, from the Hon. Harold L. Ickes, Federal Emergency Administrator of Public Works.

Since the date of that letter I understand that the provisions in paragraph 2 have been very materially modified, but there is no definite and official announcement to that effect.

It was my understanding that the new plan of PWA contemplated a grant of 45% of the cost, with a compulsory loan of the remaining 55%, that to be at 3% interest, thus if the State or other public agency had 55% in cash to match the Government's 45% such matching would not be approved except in the form of bonds which the public body would issue to secure the Government's loan of that amount.

Yesterday I learned unofficially that the compulsory loan was not to be a requirement, and that the interest rate would be 4% instead of 3%, in case a loan were made. This means, as I understand it, that if the State or other public body has cash in the amount of 55% of the total cost of the project, it may receive a grant of 45%, and go ahead and construct.

It is my suggestion therefore, that you file a formal application on forms which will be supplied you by Acting State Director Osborn, on the basis of the 45% grant and 55% loan, or cash made available by the State.

Yours very truly,

ROBERT KINGERY
Director

FEDERAL EMERGENCY RELIEF ADMINISTRATOR
OF PUBLIC WORKS

June 6, 1935

Honorable Robert Kingery, Director,
Department of Public Works and Buildings,
Springfield, Illinois

MY DEAR MR. KINGERY:

I have received your letter of May 22, with which you enclosed President Willard's letter addressed to you on May 16, also exhibits, relative to the project proposed by the University of Illinois.

Under the Emergency Relief Appropriation Act of 1935, the University's proposed application requesting \$1,400,000 would not qualify as a Federal project, entitled to receive a one hundred per cent grant, but would be eligible for consideration as a non-Federal project on the basis of a loan of fifty-five per cent of the total estimated cost to the Government at three per cent interest, and an outright grant amounting to forty-five per cent of the cost to the Government.

This proposed application should be submitted to Mr. C. M. Osborn, Acting State Director, Public Works Administration, 308 U. S. Courthouse, Chicago, Illinois. Application forms will be forwarded to you and to President Willard. Mr. Osborn has been advised of your inquiry.

It is my suggestion that representatives of the University communicate with Mr. Osborn prior to filling out the formal application, as they will find him in a position to offer many valuable suggestions, and willing to cooperate in every way possible.

Sincerely yours,

HAROLD L. ICKES
Administrator

This report was received for record.

REPORT OF DAIRY COMMISSION

(27) At the meeting on February 23 (Minutes, page 126), the Board authorized the appointment of a Commission to study the relations and obligations of the Department of Dairy Husbandry to the State. This Commission was duly appointed and promptly went to work on the task assigned to it. I submit herewith the report of the Commission.

If the University adopts the recommendations of the Commission, particularly with reference to the operations and activities relating to the processing and distribution of milk and its products, it will increase the budget of the Department of Dairy Husbandry by approximately \$4,300, due to decrease in the output of the creamery.

Report of Dairy Commission appointed by President A. C. Willard to review and comment upon the policies and practices of the Department of Dairy Husbandry of the College of Agriculture in its effort to serve the farmers, distributors, manufacturers of dairy products, and consumers of Illinois:

PERSONNEL OF COMMITTEE

Chairman: Dr. N. W. Hepburn, Executive Secretary, Illinois Dairy Products Association, Inc., Peoria, Illinois.

Secretary: Mr. Wilfred Shaw, Producers' Creamery, Peoria, Illinois.

Dr. N. Sproat Heaney, 820 North Michigan Avenue, Chicago, Illinois.

Mr. H. C. Horneman, Sugar Creek Creamery Company, Danville, Illinois.

Mr. Albert C. Kolmer, Waterloo, Illinois.

Mr. C. H. Nichols, Hebron, Illinois.

Mr. Harry M. Wood, Delavan, Illinois.

May 3, 1935

Mr. A. C. Willard, President, University of Illinois

DEAR PRESIDENT WILLARD:

The Dairy Commission, appointed to review and comment upon the policies and practices of the Department of Dairy Husbandry of the College of Agriculture in its effort to serve the farmers, distributors, manufacturers of dairy products, and consumers of Illinois, begs leave to submit the following report:

*Policy With Reference to Size of the Dairy Herd and Policy With
Reference to the Extent of Commercial Activity
Conducted by the University Creamery*

In attempting to answer this question the Commission has adhered to the thought that the underlying principle which should decide the number of animals that should be in a university herd or the amount of business that should be done by a dairy manufactures division, should be that number of animals or that volume of business which furnishes enough material in amount and character to do adequate teaching, research, and demonstration and which is sufficient in amount to carry with it the dignity and inspiration commensurate with the importance of that particular activity as it exists in the State. Measured by these standards the Commission wishes to commend those who have been responsible for the development of the Department of Dairy Husbandry's herd at the University of Illinois.

It is obvious that the operation of a dairy herd as well as the conduct of a university creamery is involved with commercial transactions. The Commission wishes to commend those in charge at the University of Illinois for their policy in handling these transactions which are primarily by-products of teaching and research, in a manner that would be approved as good business practice.

It is further obvious that the results of these transactions must of necessity be in some way intermingled with the finances of the department or division in which this work is done. The Commission, however, is strongly of the opinion that the volume of business done should not be determined by the budget requirements of the department concerned. That is, the departmental budget should not be contingent upon the volume of business done.

*Policy With Reference to Prices Obtained for Dairy Products
Sold From the University Creamery*

Reports presented by the Department of Dairy Husbandry to the Commission indicate that the Department's policy in selling products of the University Creamery has been that of selling at a price somewhat higher than the levels maintained by commercial concerns in this community. This is obviously an effort on the part of the Department of Dairy Husbandry to take their products so far as practicable out of the competitive field and thereby interfere as little as possible with the activities of local commercial concerns doing business in this market.

The Commission wishes to express its approval of this policy and to compliment those responsible for the conduct of the sales of dairy products from the University Creamery for their consideration in these matters.

Size of Dairy Herds—Distribution of Breeds

A Special Dairy Commission in 1921 made a thorough and comprehensive study of the needs of the Dairy Department with regard to herds and production facilities. It was their judgment at the time that the best interests of the Department and the dairymen of the State would be served if the purebred herd numbered 150 head, of which approximately 100 were to be milking cows. At the time this recommendation was made, the University also owned an experimental dairy herd of 100 head, of which approximately 50 head were milking cows. Thus the combined herds were to total 250 head, of which 150 were to be cows in milk.

Since the adoption of the 1921 report the Commission finds there has been a definite effort made by the Dairy Department to develop the herd in harmony with these recommendations. At no time has the total milking herd, both experimental and purebred, reached 150 cows. In 1928 it became necessary to dispose of the entire experimental herd because of a heavy infestation of tuberculosis. It became necessary then to use purebred cows for experimental purposes. At the present time the entire experimental herd is composed of registered animals.

It is felt that this practice is highly desirable for most types of investigation because: (1) the ancestry and hereditary characteristics of such animals are better known; (2) both the experimental herd and purebred herd animals are

available for studies in breeding—an important point with large, slow breeding domestic animals.

Considering all departmental needs for dairy cattle, including: (1) classroom instruction in judging; (2) animals for experimentation involving studies of (a) nutrition, (b) breeding, (c) management, (d) sanitation, disease, etc.

So long as the requirements for teaching remain near the present level and so long as the research problems continue along somewhat the present lines, there appears to be no reason to change the recommendations embodied in the previous Commission report except possibly to state certain requirements more clearly.

It is desirable, in view of the necessity of keeping all heifers until they are in milk so that their productive capacity can be established and their characteristics (genetically) determined, to set a maximum number of milking cows to be kept rather than a maximum number for the herd as a whole. It would appear that it would be possible to carry out a sufficiently complete experimental and breeding program with 125 cows in milk, 25 less than the number recommended in the 1921 report. These animals are to be distributed by breeds approximately in the same proportion as the breeds are found to exist in the State.

It is to be understood that occasionally it might be necessary to add temporarily to this number for certain types of experimental work. In such cases these should be added only so long as the special needs exist and sold when such experiments have been terminated.

Volume of Market Milk and Milk Products Sold From the University Creamery

It is the observation of the Commission that those Dairy Departments doing the best research and turning out the best prepared students and at the same time making the greatest contribution to the dairy industry are those institutions which are carrying on manufacturing activities sufficient in scope to adequately meet the requirements set forth in the Commission's "Definition of Policy" in these matters.

It is worthy of comment that the Division of Dairy Manufactures at the University of Illinois, in point of personnel, teaching, research, and standing in the dairy industry, has the distinction of being one of our foremost institutions.

The Commission is consequently solicitous that it make no recommendations which impair the effectiveness of the service of the department.

After reviewing with the Dairy Manufactures staff their activities with respect to teaching, research, and demonstration in the Division of Dairy Manufactures and the amount of material necessary therefor, the Commission recommends that in the regular course of business activity of the University Creamery the "raw material" for bottled milk, bottled cream, and all other manufactured dairy products, except butter which in Illinois is usually made from a sour cream supply, be taken *exclusively* from the production of the University herd numbering approximately 125 milking animals whose average production approximates 3,000 pounds of milk.

It is understood in this connection that there may be a need at special times for class or research purposes for additional milk to be used in condensing or to make other manufactured dairy products. This milk should be purchased, if practicable, from the supply in the vicinity of Urbana and Champaign in a manner to harmonize as much as possible with the business practices in this market.

Extension Work in Dairy Manufactures

In reviewing the work of the Dairy Manufactures Division, the Commission observes that in this highly important field there is not at the present time any regular provision for extension service. As this phase of the dairy industry has progressed during the past decade, many problems have developed in which assistance from the Division of Dairy Manufactures in the field of extension would be found invaluable both to the industry and the department. The Commission, therefore, recommends that this phase of activity be given consideration in future plans for the department's development.

Physical Equipment (Laboratories)

In making observations in the Department of Dairy Husbandry Laboratories, the attention of the Commission was directed to the unsuitable rooms now housing the Dairy Chemistry and Dairy Bacteriological Laboratories.

The application of these sciences is becoming increasingly important to the student and to the industry. The Commission therefore recommends that in any future plans at the University of Illinois, for improvement in laboratory facilities, these two divisions receive serious consideration.

Physical Equipment (Dairy Barns)

The original plans for the Purebred Dairy Cattle Barns called for a central section which would provide adequate facilities for storing concentrated feeds, wash-room for cattle, quarters for housing some of the help, and facilities for cooling and caring for the milk. In addition the plans provided for four wings, two main wings for housing the milking herd, one wing for housing calves, and the fourth wing to be equipped with box stalls to provide calving quarters and more suitable stalls for some of the outstanding animals. In 1923, it was impossible to build the barn as planned because of an inadequate appropriation. Consequently, only the two main wings and the calf barn were built, and the idea of building the central section and maternity barn was temporarily abandoned. During the past twelve years funds have not been available for the completion of this group.

A new development in the industry, "combined milking" in which cows are placed in central or separate milking quarters, introduces a type of management which should be tried out experimentally both from sanitary and economical standpoints. A need for information on this point makes it especially desirable to complete the central section as soon as possible. As yet no other experiment station has undertaken work of this kind. Furthermore, the central section is needed to furnish adequate facilities for washing and cleaning cattle to be used for class purposes. At the present time there is no heated room in which such work can be done, and during the cold months of the year there is a decided need for such facilities.

There is a real need for a barn equipped with box stalls. A number of injuries to the udders of valuable cows could and would be prevented by housing large-uddered cows in single box stalls rather than standing them in stanchions and having their udders and teats stepped on by cows in adjoining stalls.

The Commission recommends that the foregoing needs be given consideration in plans for future development.

Respectfully submitted,

N. W. HEPBURN, *Chairman*

WILFRED SHAW, *Secretary*

H. C. HORNEMAN

ALBERT C. KOLMER

C. H. NICHOLS

HARRY M. WOOD

On motion of Mrs. Plumb, this report was referred to the Committee on Agriculture for consideration and report.

THE ANNUAL REPORT OF CARTER-PENNELL TRUST FARMS

(28) The annual report of the Carter-Pennell farms for the year ending February 28, 1935.

On motion of Mr. Barrett, this report was referred to the Committee on Agriculture for consideration and report.

REPORT OF LEGISLATION TO INCREASE SCHOLARSHIPS

(29) *Senate Bill 198*, introduced in the State Senate of the 59th General Assembly, is a bill exempting all residents of Illinois from paying tuition fees at

the University. At the first hearing on this bill by the Committee on Education, the Committee voted to table it. Subsequently, the author requested reconsideration of the measure and another hearing was held on June 5 at which time the bill was again tabled.

Senate Bill 136 provides two additional scholarships for each member of the General Assembly for the years 1935 and 1936. This bill has passed the Senate and is now in the House. A hearing was had before the House Committee on Education on June 11, at which the Committee voted to recommend that the bill be reported back to the House with a recommendation that it do pass.

This report was received for record.

At this point, Mr. Barrett withdrew.

SCHOLARSHIPS TO WINNERS OF GOVERNOR'S ESSAY CONTEST ON AMERICAN CITIZENSHIP

(30) A request from the Governor's Committee on Citizenship and Naturalization that the University of Illinois grant scholarships to the winners of the essay contest for high-school students on the "Benefits of American Citizenship" which was conducted by the Committee this past year and which will be conducted annually. It is suggested that such a plan be made retroactive in order that the three winners of the last essay contest may be so benefited.

On motion of Dr. Meyer, it was voted that in view of the number of scholarships now available, the Board considers it unwise to create any more.

RECOMMENDATIONS FOR PURCHASES

(31) A recommendation that the following purchases be authorized:

5,000 soil maps of Marshall County and 5,000 of Putnam County, from the Huebinger Company, Chicago, the low bidder of five companies, which submitted quotations, at a price of \$1,350. These maps will be used in soil survey reports on those counties. Funds are available in the budget of the Department of Agronomy for this purpose.

Materials for renewal of storage batteries in Physics Laboratory: (80 positive groups for Type F-9 Exide-Chloride Battery, 640 F Separators, 1 F-9 Negative group charged dry, and 4 jars), from Electric Storage Battery Company, at a price of \$1,467.95 f.o.b. Urbana. The original equipment was bought from this company and the repairs must necessarily be purchased from the same company. Funds are available in the budget of the College of Engineering for this purpose.

Two dump trucks (Hug model 19D), from the Hug Company, Highland, Illinois, at a net cost of \$3,502.40, to replace two trucks purchased in 1928 and 1929. Specifications and quotations were secured from seven companies and dealers. The quotations vary because the prices are on different types of equipment. The Hug truck is recommended because of superior construction and adaptability to the type of work for which it is needed. Funds are available in the budget of the Physical Plant Department to cover the cost.

One 100,000 lb. capacity proving ring for tension and compression from Morehouse Machine Company, York, Pennsylvania, at a price of \$1,100 f.o.b. factory. This equipment is for testing purposes and is non-competitive. Funds are available in the College of Engineering budget to cover the cost.

A contract with the Grasselli Chemical Company for the purchase of acids at stipulated prices for the General Chemical Storeroom in the Urbana Department until March 31, 1936, the total cost not to exceed \$3,000.

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

COMPTROLLER'S REPORT OF CONTRACTS

(32) The following report from the Comptroller of contracts executed since the last report:

CONTRACTS EXECUTED BY THE COMPTROLLER

APRIL 8 TO JUNE 8, 1935

The Illinois State Board for Vocational Education to pay regular fees to the University for instruction to be rendered as follows:

<i>For whom</i>	<i>Instruction in</i>	<i>Date</i>	<i>Tenure</i>
Blanche Thomas	L. A. & S.	April 27, 1935	One semester from February 6, 1935

Cooperative agreement as authorized by Board of Trustees in meeting of April 20, 1935 (Minutes, page 165):

<i>Name</i>	<i>Amount to be received by the University</i>	<i>Date</i>	<i>Purpose</i>
Tobacco By-Products and Chemical Company	\$1,000	March 15, 1935	To study nicotine combinations as insecticides

Lease as authorized by Board of Trustees in meeting of February 23, 1935 (Minutes, page 132):

<i>Name</i>	<i>Amount to be paid by the University</i>	<i>Date</i>	<i>Tenure</i>	<i>Property</i>
Illinois Central Railroad Company	\$1.00 per year	March 8, 1935	June 1, 1935 to June 1, 1940	Prairie remnants adjoining right-of-way, for use of Biological Departments

Lease renewal executed under general regulations of the Board of Trustees:

<i>Leased to</i>	<i>Rental to be received by the University</i>	<i>Date</i>	<i>Tenure</i>	<i>Property</i>
Illinois Bell Telephone Company	\$334.80 per year	April 30, 1935	One year from January 1, 1935	124 pairs of underground cables

Lease authorized by the Board of Trustees April 27, 1935 (Minutes, page 178):

<i>To whom</i>	<i>Amount to be received by the University</i>	<i>Date</i>	<i>Tenure</i>	<i>Property</i>
Chester D. Speakman	\$780	May 7, 1935	One year from July 1, 1935	1758 West Polk St., Chicago

Agreement for the establishment of a special research assistantship, as authorized by the Board of Trustees, May 6, 1935 (Minutes, page 184):

<i>With whom</i>	<i>Amount to be received by the University</i>	<i>Date</i>	<i>Purpose</i>
Dairy and Ice Cream Machinery and Supplies Association	\$600	May 8, 1935	Study of problems in dairy husbandry

Agreement as authorized by the Board of Trustees, May 6, 1935 (Minutes, page 185):

<i>With whom</i>	<i>Amount to be received by the University</i>	<i>Date</i>	<i>Tenure</i>	<i>Purpose</i>
Roselawn Cemetery Association	Indefinite	March 1, 1935	One year from date, with provision for extension	Maintenance of Roselawn Cemetery by the University

This report was received for record.

GIFTS TO THE UNIVERSITY

(33) The following report of gifts received by the University since the last report:

The General Electric Company, a 300 ampere arc welding set to the Department of Civil Engineering. (The regular commercial price of this equipment is \$700, and the educational price is \$466.67.)

American Otological Society, \$2,500 to Dr. E. A. Culler, of the Department of Psychology, for certain research work.

Association of Manufacturers of Chilled Car Wheels, \$200 for research work on the heat resistance of car wheels, (previous gifts, April 11, 1934, and April 20, 1935); also \$200 for research work on the strength of chilled car wheels, (previous gifts February 24, 1934, April 11, 1934, and April 20, 1935).

American Dry Milk Institute, \$100 for research work on calcium in foods. (Original gift accepted July 11, 1934, Minutes, page 4.)

Kappa Delta Pi (Alpha Chapter), \$50 to be used as a student loan fund. Continental Oil Company of Ponca City, Oklahoma, \$1,500 for the renewal of its fellowship for research work in the Department of Chemistry.

National Warm Air Heating and Air Conditioning Association, \$800 for immediate use toward the support of a summer cooling program in the Research Residence of the University.

This report was received for record.

DEATH BENEFIT—JOSEPH LEPAK

(34) A report of the death on April 30, 1935, of Mr. Joseph Lepak, Technician in the Department of Pathology of the College of Medicine. He had been in the service of the University since September 1, 1921. The death benefit in his case is \$815.00. The Comptroller has been authorized to make payment to the designated beneficiary.

On motion of Mr. Barr, this action was approved.

LORADO TAFT LECTURESHIP IN ART FUND

(35) A recommendation from the Chairman of the Taft Lectureship in Art Fund Committee and the University Comptroller that \$1,000 of the \$2,172.95 balance in the Taft Lectureship in Art Fund be transferred from the interest fund to the principal fund of this endowment inasmuch as not more than the remaining \$1,172.95 will be needed for lectures next year.

On motion of Dr. Meyer, this transfer was authorized.

KATE NEAL KINLEY MEMORIAL FELLOWSHIP

(36) A report that Mr. Stanley Fletcher, of Ann Arbor, Michigan, has been appointed to the Kate Neal Kinley Memorial Fellowship; and that Miss Olive Miriam Buchholz, of Urbana, Illinois, has been appointed alternate.

This report was received for record.

E. A. WALLACE MEMORIAL SCHOLARSHIPS

(37) A report that J. A. C. Schulte and Wayne Munsch, of Havana, have been nominated by the Board of Education of Havana, Illinois, to hold the E. A. Wallace Memorial Scholarships for the academic year 1935-1936.

These scholarships were awarded as recommended.

AGREEMENT WITH THE CORN PRODUCTS REFINING COMPANY FOR STUDY OF USE OF CEREOSE IN THE MANUFACTURE OF ICE CREAM

(38) A recommendation from the Director of the Agricultural Experiment Station that an agreement be authorized with the Technical Service Department of the Corn Products Refining Company of Argo, Illinois, for the employment of a research assistant to study the use of cereose in the manufacture of ice cream, the work to be done at the University under the direction of the Department of Dairy Husbandry in the Agricultural Experiment Station. The agreement is for six months from July 1, 1935, with provision for its extension, and the Corn Products Refining Company has agreed to contribute \$1,500 to pay the salary of a research assistant and other expenses. The agreement meets all of the requirements of the Board governing such cooperative investigations.

On motion of Mr. Barr, this agreement was authorized.

LABORATORY FEES IN THE URBANA DEPARTMENTS

(39) A recommendation that the following schedule of laboratory fees for the various courses offered in the Departments at Urbana and Champaign for the year beginning September 1, 1935, be adopted:

On motion of Mrs. Plumb, these fees were approved.

LABORATORY FEES FOR 1935-36—URBANA-CHAMPAIGN DEPARTMENTS

Agricultural Economics I	\$ 50	Botany 46	1 00
Agricultural Engineering 1	1 00	Botany 55	1 00
Agricultural Engineering 3	2 00	Botany 56	1 00
Agricultural Engineering 20	1 50	Botany 60	1 00
Agricultural Engineering 21	2 00	Botany 70 (per hour)	50
Agricultural Engineering 28	2 50	Botany 77 (per hour)	50
Agricultural Engineering 51	8 00 ¹	Botany 90	1 00
Agonomy 25	2 00	Botany 120 (per unit)	3 00
Agonomy 28	3 00	Botany 130 (per unit)	3 00
Agonomy 31	2 50	Botany 170 (per unit)	3 00
Agonomy 32	2 00	Botany 180 (per unit)	2 00
Agonomy 33	4 00	Business Organization and Opera-	
Animal Husbandry 119	5 00	tion 12a	5 00
Animal Husbandry 120	2 00	Business Organization and Opera-	
Animal Husbandry 121	3 00	tion 12b	5 00
Art 24a	2 50	Ceramics 4	2 00
Art 24b	2 50	Ceramics 5	5 00
Art 25a	1 25	Ceramics 14	7 50
Art 25b	1 25	Ceramics 16	5 00
Art 27	6 25	Ceramics 18	2 00
Art 28	6 25	Ceramics 103 (per ½ unit, maxi-	
Art 29	5 00	mum \$12.50)	2 50
Art 30	5 00	Ceramics 106 (per ½ unit, maxi-	
Art 44a	2 50	mum \$12.50)	2 50
Art 44b	2 50	Chemistry 1	8 00
Art 46a	1 25	Chemistry 2	5 00
Art 46b	1 25	Chemistry 3	6 00
Art 47	6 25	Chemistry 4	10 00
Art 48	6 25	Chemistry 5	10 00
Art 50	2 50	Chemistry 6	10 00
Art 51a	2 50	Chemistry 7	6 00
Art 51b	2 50	Chemistry 10	12 50
Art 52a	2 50	Chemistry 16a	5 00
Art 52b	2 50	Chemistry 22	12 50
Bacteriology 5b	4 00	Chemistry 24	12 50
Bacteriology 8	4 50	Chemistry 27	15 00
Bacteriology 20	5 00	Chemistry 29b	12 50
Bacteriology 26	5 00	Chemistry 32	10 00
Bacteriology 107	5 00	Chemistry 33	15 00
Botany 1b	2 00	Chemistry 34a	15 00
Botany 2	1 50	Chemistry 37b	15 00
Botany 3	2 00	Chemistry 38a	18 00
Botany 5	1 00	Chemistry 41	7 50
Botany 6	1 00	Chemistry 43	7 50
Botany 7	2 00	Chemistry 50a	18 00
Botany 12	1 50	Chemistry 51b	12 50
Botany 13	1 50	Chemistry 60a	15 00
Botany 20	1 00	Chemistry 61a-61b (per semester)	10 00
Botany 33 (5 hours)	1 00	Chemistry 74b	6 00
Botany 34 (5 hours)	1 00	Chemistry 90a-90b (per laboratory	
Botany 41	1 00	hour per semester)	2 50
Botany 43	1 50	Chemistry 91b	3 00
Botany 44	1 50	Chemistry 102a-102b (per ¼	
Botany 45	3 00	unit)	2 50
		Chemistry 123c (per ¼ unit)	2 50
		Chemistry 124d (per ¼ unit)	2 50
		Chemistry 126c (per ¼ unit)	2 50

¹To be charged unless instructor certifies student is not using materials in his testing work.

Chemistry 127c-127d (per $\frac{1}{4}$ unit).....	2 50	Entomology 1.....	1 50
Chemistry 134 (per $\frac{1}{4}$ unit).....	3 00	Entomology 3.....	1 50
Chemistry 152b (per $\frac{1}{4}$ unit)....	2 50	Entomology 6.....	1 50
Chemistry 190a-190b		Entomology 7a.....	2 00
(1) If unit value is given (per $\frac{1}{4}$ unit, maximum value \$12.50).....	2 50	Entomology 7b.....	2 00
(2) If unit value is not given (second and third year graduate students).....	12 50	Entomology 8a.....	1 50
Civil Engineering 1.....	1 00	Entomology 8b.....	1 50
Civil Engineering 2.....	1 00	Entomology 8c.....	1 50
Civil Engineering 3.....	1 00	Entomology 10a.....	2 00
Civil Engineering 15.....	1 00	Entomology 10b.....	2 00
Civil Engineering 16.....	1 00	Entomology 20.....	4 00
Civil Engineering 17.....	1 00	Entomology 22.....	5 00
Civil Engineering 18.....	1 00	Entomology 31.....	1 50 ²
Civil Engineering 19.....	1 00	Entomology 100.....	1 50
Civil Engineering 22.....	1 50	Entomology 107.....	2 00
Civil Engineering 30.....	1 50	French 25.....	50
Civil Engineering 31.....	1 50	General Engineering Drawing 1..	1 50
Civil Engineering 35.....	1 50	General Engineering Drawing 2..	1 50
Civil Engineering 40.....	1 00	General Engineering Drawing 4..	1 50
Civil Engineering 41.....	1 00	General Engineering Drawing 6..	1 50
Civil Engineering 42.....	1 00	General Engineering Drawing 7..	1 50
Civil Engineering 43.....	1 00	General Engineering Drawing 8..	1 50
Civil Engineering 62.....	1 00	General Engineering Drawing 10..	1 50
Civil Engineering 64.....	2 00	Geology 1a.....	1 00
Civil Engineering 65.....	2 00	Geology 20.....	2 00
Civil Engineering 86.....	1 50	Geology 44.....	1 00
Civil Engineering 87.....	1 50	Geology 49.....	2 50
Civil Engineering 88.....	1 25	Geology 101.....	1 00
Civil Engineering 91.....	1 00	Geology 102.....	1 00
Dairy Husbandry 1.....	3 00	Home Economics 5.....	4 50
Dairy Husbandry 4.....	3 00	Home Economics 7.....	3 00
Dairy Husbandry 5.....	3 00	Home Economics 14.....	16 00
Dairy Husbandry 7.....	3 00	Home Economics 33.....	3 50
Dairy Husbandry 8.....	2 00	Home Economics 35.....	5 00
Dairy Husbandry 9.....	2 00	Home Economics 41.....	10 00
Dairy Husbandry 10.....	3 00	Home Economics 43a.....	2 50
Dairy Husbandry 12.....	3 00	Home Economics 43b.....	2 50
Dairy Husbandry 14.....	2 00	Home Economics 50.....	1 00
Dairy Husbandry 22.....	2 00	Home Economics 51.....	3 00
Dairy Husbandry 24b.....	2 00	Home Economics 55.....	10 00
Electrical Engineering 48.....	1 00	Home Economics 58.....	7 00
Electrical Engineering 51.....	2 00	Home Economics 59.....	3 00
Electrical Engineering 52.....	2 00	Home Economics 61.....	2 50
Electrical Engineering 61.....	2 00	Home Economics 102.....	10 00
Electrical Engineering 62.....	2 00	Home Economics 104.....	10 00
Electrical Engineering 75.....	2 00	Horticulture 1.....	1 00
Electrical Engineering 76.....	2 00	Horticulture 2.....	1 00
Electrical Engineering 84.....	2 00	Horticulture 3.....	2 00
Electrical Engineering 85.....	2 00	Horticulture 5.....	2 50
Electrical Engineering 86.....	2 00	Horticulture 6a.....	2 00
English (see Speech)		Horticulture 6b.....	2 00
		Horticulture 7.....	1 50
		Horticulture 8a.....	1 00
		Horticulture 8b.....	1 00
		Horticulture 9.....	75

²To be charged unless student is registering for lecture only.

Horticulture 15a.....	2 00	Music (for each two hours of credit	
Horticulture 15b.....	2 00	in courses in applied music Nos.	
Horticulture 15c.....	2 00	42a-47b; 52a-57d; 62a-67b; 72a-	
Horticulture 30.....	2 00	77b; 82a-87b; 92a-97d) taken by	
Horticulture 32a.....	2 50	students not enrolled in a cur-	
Horticulture 32b.....	2 50	riculum in music.....	25 00
Horticulture 33.....	1 00		
Horticulture 34.....	2 00	Physical Education, <i>any course</i> :	
Horticulture 49.....	2 00	Assess each person, man or wom-	
Horticulture 51.....	1 50	an, each semester, in addition to	
Horticulture 53.....	1 00	laboratory fees as indicated be-	
		low, a locker fee of.....	1 00
Journalism 5.....	2 00	Physical Education for Men 1...	1 00
Journalism 6.....	2 00	Physical Education for Men 2...	1 00
Journalism 9a.....	1 00	Physical Education for Men 4...	1 00
Journalism 13.....	1 00	Physical Education for Men 5...	1 00
Journalism 14.....	1 00	Physical Education for Men 6...	1 00
		Physical Education for Men 7...	2 00
Landscape Architecture 31.....	2 00	Physical Education for Men 8...	2 00
Landscape Architecture 32.....	2 00	Physical Education for Men 12...	1 00
Landscape Architecture 33.....	2 00	Physical Education for Men 15...	1 00
Landscape Architecture 34.....	2 00	Physical Education for Men 19...	1 00
Landscape Architecture 35.....	2 00	Physical Education for Men 34...	2 25
Landscape Architecture 36.....	2 00		
Landscape Architecture 43.....	2 00	Physical Education for Women 73	
Landscape Architecture 44.....	2 00	(Sections B and C only).....	3 00
Landscape Architecture 51.....	50		
Landscape Architecture 52.....	50	Physics 3a.....	3 00
Landscape Architecture 53.....	2 00	Physics 3b.....	3 00
Landscape Architecture 54.....	2 00	Physics 8a.....	3 00
		Physics 8b.....	3 00
Law courses for students of col-		Physics 15.....	1 50
leges other than Law (per hour)	1 00	Physics 17.....	1 50
Locker fee (see Physical Education)		Physics 44a.....	4 50
		Physics 44b.....	4 50
Mechanical Engineering 21.....	1 50 ¹	Physics 46.....	3 00
Mechanical Engineering 61.....	3 00	Physics 61.....	1 50
Mechanical Engineering 62.....	1 50	Physics 72a.....	1 50
Mechanical Engineering 64.....	4 50	Physics 72b.....	1 50
Mechanical Engineering 65.....	4 50	Physics 97.....	3 00
Mechanical Engineering 85.....	4 00	Physics 98.....	3 00
Mechanical Engineering 87.....	4 00	Physics 131a.....	10 00
Mechanical Engineering 88.....	4 00		
Mechanical Engineering 89.....	4 00	Physiology 1a.....	2 50
Metallurgical Engineering 3.....	7 50	Physiology 3a.....	2 50
Metallurgical Engineering 7.....	3 00	Physiology 3b.....	2 50
Metallurgical Engineering 9.....	3 00	Physiology 5.....	3 50
Metallurgical Engineering 13.....	2 50	Physiology 6.....	3 50
		Physiology 7.....	3 50
Mining Engineering 9.....	1 50	Physiology 102.....	3 50
Mining Engineering 10.....	1 50	Physiology 103.....	3 50
Mining Engineering 20.....	1 50		
Mining Engineering 61.....	1 00	Psychology 3.....	1 00
Mining Engineering 62.....	1 00		
Mining Engineering 64.....	4 50	Railway Engineering 62.....	3 00
		Spanish 25.....	50

¹To be charged unless instructor certifies student is not using materials in his testing work.

Speech 11.....	5 00	Zoology 10 ⁸	1 00
Theoretical and Applied Me-		Zoology 11 (per credit hour).....	75
chanics 63.....	2 50	Zoology 16.....	1 00
Theoretical and Applied Me-		Zoology 17.....	3 25
chanics 64.....	1 50	Zoology 18.....	2 00
		Zoology 22.....	4 00
Zoology 1.....	3 25	Zoology 23 (per credit hour).....	1 00
Zoology 2.....	4 50	Zoology 25 (per credit hour).....	1 00
Zoology 3.....	4 00	Zoology 31.....	2 00
Zoology 4.....	3 25	Zoology 63.....	4 00
Zoology 6.....	4 00	Zoology 66.....	4 00
Zoology 9 (per credit hour).....	75	Zoology 74.....	2 50

⁸Also applies to students in other courses taking Easter vacation trip as assignment.

RESEARCH ON WILDLIFE PROBLEMS AND GAME MANAGEMENT PROGRAMS IN COOPERATION WITH UNITED STATES DEPARTMENT OF AGRICULTURE

(40) The Bureau of Biological Survey of the United States Department of Agriculture announces that Federal funds may be available to sponsor in a number of regional states research on wildlife problems and game management programs. To insure the success of the proposed program it will be necessary for the Biological Survey to have the cooperation of colleges of agriculture of state universities and state game commissions, or equivalent agencies, when such projects are undertaken. The University of Illinois has been asked if it will be willing to participate in this project. The plan contemplates the expenditure of \$18,000 a year—\$6,000 to be provided by the Bureau of Biological Survey, \$6,000 by the University, and \$6,000 from some State agency. The Biological Survey will supply a biologist trained in research and game management at a salary of between \$2,500 and \$3,500, and an additional allotment of government funds to bring its contribution to \$6,000 annually. The University will be required to furnish laboratory facilities and equipment and such services from its scientific staff as may be equal to the \$6,000 annual funds from the Federal Government. The State game department or commission will be required to contribute cash funds, or its equivalent, according to the needs, of a similar amount and in return it may expect that problems of research and game management, which exist or may arise in Illinois, will become the research objectives of the organization in this State. It is proposed that this arrangement be made for a five-year period.

On motion of Mr. Barr, this project was approved in principle, with the understanding that a definite program shall be submitted to the Board for final action.

ENDOWMENT FUND INVESTMENTS

Mr. Karraker, for the Finance Committee, reported the following transactions involving endowment funds:

The renewal of the Matthew Dunn first mortgage (farm) for \$1600 for five years, at five per cent.

The sale of the interest coupons of \$5,000 German International Bonds, 5½ per cent, at the market, approximately 50 (Babcock trust).

The settlement of the Shelton mortgage (\$1,350, Babcock endowment) for \$1,000 plus interest to date (approximately \$40).

On motion of Mr. Barr, these actions were confirmed.

DEGREES CONFERRED IN JUNE, 1935

The Secretary presented for record the following list of degrees conferred at the annual Commencement in June.

SUMMARY OF DEGREES, JUNE, 1935

Degrees in the Graduate School, conferred at Urbana:

Master of Arts.....	52
Master of Science.....	67
Electrical Engineer.....	1
Mechanical Engineer.....	2
Engineer of Mines.....	1
Doctor of Philosophy.....	58
<i>Total, Graduate School, Urbana.....</i>	<i>181</i>

Baccalaureate Degrees, conferred at Urbana:

Bachelor of Arts, College of Liberal Arts and Sciences.....	345
Bachelor of Science, College of Liberal Arts and Sciences.....	97
Bachelor of Science, College of Commerce.....	201
Bachelor of Science, College of Engineering.....	171
Bachelor of Science, College of Agriculture.....	109
Bachelor of Science, College of Education.....	240
Bachelor of Science, School of Journalism.....	55
Bachelor of Science, Library School.....	53
Bachelor of Science, School of Physical Education.....	22
Bachelor of Science, College of Fine and Applied Arts.....	50
Bachelor of Fine Arts, College of Fine and Applied Arts.....	30
Bachelor of Music, College of Fine and Applied Arts.....	9
<i>Total, Baccalaureate Degrees, Urbana.....</i>	<i>1,382</i>

Degrees in Law, conferred at Urbana:

Bachelor of Laws.....	49
<i>Total, Law.....</i>	<i>49</i>
<i>Total, Degrees conferred at Urbana.....</i>	<i>1,612</i>

Degrees in Medicine, conferred at Chicago:

Bachelor of Science in Medicine.....	80
Certificate in Medicine.....	(125) ¹
Bachelor of Medicine.....	2
<i>Total, Medicine.....</i>	<i>82</i>

Degrees in Dentistry, conferred at Chicago:

Bachelor of Science in Dentistry.....	13
Doctor of Dental Surgery.....	21
<i>Total, Dentistry.....</i>	<i>34</i>

Degrees in Pharmacy, conferred at Chicago:

Pharmaceutical Chemist.....	79
Bachelor of Science in Pharmacy.....	13
<i>Total, Pharmacy.....</i>	<i>92</i>

Degrees in the Graduate School, conferred at Chicago:

Doctor of Philosophy.....	1
Master of Arts.....	1
Master of Science.....	6
<i>Total, Graduate School, Chicago.....</i>	<i>8</i>

Total, Degrees conferred at Chicago..... 216

Total, Urbana and Chicago, June, 1935..... 1,828

¹Showing the completion of four years of work—not counted as degrees.

Degrees conferred in August, 1934.....	117
Degrees conferred in October, 1934.....	204
Degrees conferred in February, 1935.....	248
Doctor of Medicine, conferred since June 10, 1934.....	145

Total, Degrees conferred since Commencement in June, 1934..... 714

Grand Total..... 2,542

Degrees Conferred June 10, 1935, at Urbana

GRADUATE SCHOOL

Degree of Doctor of Philosophy

In Agronomy

ROBERT ESTES FORE, B.S., Iowa State College, 1929; M.S., 1931.

In Animal Husbandry

WESLEY PATTERSON GARRIGUS, B.S., Connecticut Agricultural College, 1931; M.S., 1933.

In Bacteriology

WILLIAM ARTHUR MILLER, B.S., 1929; M.S., University of Pennsylvania, 1931.

In Botany

ORIE JACOB EIGSTI, A.B., Goshen College, 1931; A.M., 1933.

CHARLOTTE LIEBTAG GRANT, A.B., DePauw University, 1926; A.M., 1927.

OPAL CAMERON HARTLINE, B.S., McKendree College, 1925; M.S., 1932.

In Chemistry

WARREN COTTON ASHLEY, B.S., M.S., 1929, 1930.

OTTO KARL BEHRENS, A.B., DePauw University, 1932; A.M., 1933.

WILLIAM FRANK BRADLEY, A.B., 1930.

JOHN EWART CLEMENS, A.B., 1930.

LADDIE FRANCIS DOBRY, B.S., 1930; M.S., Purdue University, 1932.

JOHN CLIFFORD ECK, B.S., Montana State College, 1931; M.S., 1932.

CARLIN FRARY GIBBS, B.S., Knox College, 1930; M.S., 1932.

WILLIAM EDWARD HANFORD, B.S., Philadelphia College of Pharmacy and Science, 1930; M.S., 1932.

CHARLES NORMAN McCARTY, A.B., Albion College, 1931; M.S., 1933.

RICHARD HUGH MCCOY, A.B., Earlham College, 1929; M.S., 1931.

EDWIN THEODORE MERTZ, A.B., University of Montana, 1931; M.S., 1933.

CURTIS ERDMUND MEYER, B.S., M.S., 1931, 1932.

CHARLES RUDOLPH NAESER, B.S., University of Wisconsin, 1931; M.S., 1933.

LESTER EDWARD SCHNIEPP, B.S., Illinois Wesleyan University, 1931; M.S., 1932.

RICHARD SEYFARTH SCHREIBER, A.B., Wabash College, 1931.

JOHN BICKFORD SHIELDS, B.S., University of Nevada, 1929.

MAX LANG SPEALMAN, B.S., University of California, 1929.

WILBER OTIS TEETERS, B.S., University of Iowa, 1930; M.S., 1933.

JACK THEO THURSTON, B.S., University of Nevada, 1931; M.S., 1933.

ARTHUR M. VAN ARENDONK, A.B., Hope College, 1930.

DONALD HAVEN WEST, A.B., Carroll College, 1931; A.M., 1932.

MADELYN WOMACK, B.S., Texas State College for Women, 1931; M.S., 1933.

In Classics

ALFRED A KATHRYN STALLMAN, A.B., North Central College, 1932; A.M., 1933.

In Economics

THOR WILLIAM BRUCE, A.B., Lawrence College, 1923; A.M., 1931.

WILLIAM EDWARD FOLZ, B.S., Evansville College, 1927; M.S., 1933.

WAYNE LINTON McMILLEN, B.S., M.S., 1932, 1933.
MERTEN JOSEPH MANDEVILLE, B.S., M.S., 1921, 1922.
JOHN JUNIOR THORNBORROW, B.S., M.S., 1932, 1933.
PAUL MARION VAN ARSDELL, B.S., M.S., 1927, 1929.

In Education

DONALD LEROY QUINSEY, B.S., M.S., 1924, 1932.

In Engineering

CLOYDE MOFFETT SMITH, B.S., M.S., E.M., 1920, 1928, 1934.
MAX SUTER, Diplom Ingenieur, Federal Polytechnic School (Switzerland), 1913;
M.S., 1933.
DAVID EDGAR WIEGAND, B.S., M.S., 1931, 1932.

In English

JAMES PAUL BRAWNER, A.B., A.M., Washington and Lee University, 1924, 1925.
JESSE W. HARRIS, B.S., A.M., 1927, 1928.

In German

GERRIT HERMANN RUDOLPH MEMMING, A.B., A.M., 1932, 1933.

In History

SYDNEY NETTLETON FISHER, A.B., A.M., Oberlin College, 1928, 1932.

In Mathematics

JOHN WESLEY CELL, A.B., A.M., 1928, 1929.
JAMES AVAS COOLEY, A.B., A.M., Indiana University, 1928, 1929.
GERALD BOONE HUFF, A.B., A.M., Southern Methodist University, 1929, 1930.
CLARENCE GEORGE SCHILLING, A.B., A.M., 1926, 1931.

In Physics

RICHARD KAUFMAN COOK, B.S., M.S., 1931, 1932.
RICHARD JAMES DUFFIN, B.S., 1932.
TULLY FRANKLIN WATSON, A.B., M.S., University of Oklahoma, 1928, 1930.

In Political Science

VALENTINE JOBST, III, A.B., A.M., 1926, 1931.

In Psychology

SARAH CATHERINE FERRALL, A.B., A.M., 1929, 1930.
GLEN FINCH, A.B., DePauw University, 1930; A.M., 1931.

In Romance Languages

DONALD FOWLER BROWN, A.B., Wheaton College, 1932; A.M., 1933.
GEORGE HAUSBROUQ PERRINE, A.B., Hamilton College, 1925; A.M., 1928.
CECIL LEWIS REW, Ph.B., University of Chicago, 1919; A.M., 1927.
ALPHONSE VICTOR ROCHE, A.B., State College of Washington, 1928; A.M., 1931.

In Zoology

WILLIAM CARL VAN DEVENTER, A.B., Central College, 1930; A.M., 1932.

Professional Degrees in Engineering

Degree of Electrical Engineer

CARL ANDERS BORGESON, B.S., 1925; M.S., New York University, 1933

Degree of Engineer of Mines

CHARLES HULBERT DODGE, B.S., 1924; M.S., Carnegie Institute of Technology,
1925

Degree of Mechanical Engineer

FREDERICK MOORE LITTELL, B.S., 1928
CHESTER J. SCANLAN, B.S., 1919

Degree of Master of Arts*In Architecture*

OLAF STAVSING FJELDE, B.S., University of Minnesota, 1924

WILLIAM ALLAMAN GANSTER, B.S., 1930

JOSEPH STEIN, B.S., 1934

In Botany

VIRGINIA BEATRICE GANGSTAD, A.B., 1934

NELVA MARGARET WEBER, A.B., Illinois Wesleyan University, 1931; B.F.A., 1934

In Chemistry

ROBERT WALL SAPP, A.B., Duke University, 1934

In Classics

ALICE BERNADINE ABELL BREWER, B.Ed., Eastern Illinois State Teachers College, 1925

HELEN MARIE GRABNER, A.B., Wheaton College, 1934

NATALIE ELIZABETH HUNTER, A.B., MacMurray College, 1934

BERTEL SORENSEN LARSEN, A.B., Carthage College, 1934

NATHALIE LYTLE, A.B., Monmouth College, 1934

MARY MINERVA MCINTIRE, A.B., 1906

In Economics

LESTER EVERETT KILPATRICK, A.B., Geneva College, 1934

GLENN WASSON MILLER, B.Ed., Southern Illinois State Normal University, 1934

SAMUEL JOSEPH NAYLOR, A.B., Carthage College, 1933

JOSEPH MANFRED THOMPSON, A.B., 1934

In Education

ARTHUR GRANT ADAMS, B.S., Central Missouri State Teachers College, 1926

LELAND POWERS BRADFORD, A.B., 1931

MERRILL CLIFFORD FAULK, A.B., 1917

FRED CLARK HILL, A.B., 1934

FOSTER WOOD McCARTY, A.B., 1931

ROBERT SCHUMANN TRASK, A.B., Knox College, 1933

In English

EMERALD GARRETT BALLARD, A.B., A.M., University of Mississippi, 1931

VERNITA M. CRAWFORD, A.B., 1926

ANNE ELIZABETH LAUTERBACH, A.B., Northwestern University, 1933

STEFANIA THORLAKSON, A.B., Wheaton College, 1924

In Geography

ALDEN DENZEL CUTSHALL, B.Ed., Eastern Illinois State Teachers College, 1932

In History

MARTIN PAUL CLAUSSEN, A.B., 1934

EDMUND SNIVELY, A.B., 1933

EDWARD GEORGE WELTIN, A.B., 1934

In Library Science

DONALD WINSTON KOHLSTEDT, A.B., B.S.(Lib.), 1929, 1930

GLENN ROBERT MAYNARD, B.S., Bradley Polytechnic Institute, 1931; B.S.(Lib.), 1933

ARNOLD WHITNEY ROSAAEN, A.B., Iowa State University, 1928; B.S.(Lib.), 1929

In Mathematics

WILLIAM HENRY GREEN, B.Ed., Eastern Illinois State Teachers College, 1927

SAMANTHA GERTRUDE HENDRIX, A.B., DePauw University, 1926

MARY OONA MARQUARDT, A.B., 1932

MIRIAM ENID NASH, A.B., James Millikin University, 1934

ROBERT McDOWELL THRALL, A.B., Illinois College, 1935

In Political Science

NILS BERNHARD BERDAHL, A.B., Augustana College (S.D.), 1932
JEAN ISABELLE GERBER, B.S., 1933
JULIAN DONALD MORGAN, A.B., 1934

In Romance Languages

ALICE JANETTE CRUZE, A.B., University of Arkansas, 1934
MARIE LOUISE MICHAUD, A.B., 1934
VIRGIL LESLIE SIKES, A.B., 1933
CATHERINE GERALDINE WILLIAMS, A.B., 1934
FAITH STATA WILLIAMS, A.B., Wheaton College, 1930

In Sociology

MARGUERITE KENNEDY BERG, A.B., 1919

In Transportation

ROBERT CHENG-SIEN CHEN, B.S., Chiao-Tung University, 1931

In Zoology

SHELDON EDWARD DOMM, A.B., North Central College, 1934
MARY MILDRED DUNLAP, A.B., Oklahoma College for Women, 1931
RUSSELL PERRY HAGER, A.B., Bates College, 1934
WALTER HENRY LEIGH, A.B., Greenville College, 1934

Degree of Master of Science*In Accountancy*

LOWRY FRANK MCKEE, B.S., Oklahoma Agricultural and Mechanical College,
1934
HENRY VIRGINIUS MOORE, B.S., College of William and Mary, 1933

In Agricultural Economics

JULIUS WAYNE REITZ, B.S., Colorado Agricultural College, 1930

In Agronomy

LARUE CLAUDE CHAPMAN, B.S., 1933

In Architecture

HARRIS ATTERIDGE KEMP, B.S., 1934

In Bacteriology

JOSEPH ORTAN ALBERTS, B.S., 1934
MILO DONALDSON APPLEMAN, A.B., 1931

In Ceramic Engineering

WILLIAM BOLINGBROKE SILVERMAN, B.S., 1933

In Chemistry

RICHARD THOMAS ARNOLD, B.Ed., Southern Illinois State Normal University,
1934
GLEN ELIPHALET BABCOCK, B.S., 1933
FRANK ELLIOT BIRKETT, B.S., 1933
WILLIAM ALFRED FESSLER, B.S., University of Tulsa, 1934
ELLSWORTH HENDERSON, A.B., Illinois College, 1932
MADISON HUNT, A.B., 1934
FRANK GEORGE JONELIS, B.S., 1934
CHARLES MARTIN LYDY, B.S., 1934
BERNARD CHARLES MARKLEIN, B.S., 1934
ARTHUR LESLIE NEAL, B.S., Monmouth College, 1934

CHARLES EDWARD NIEHAUS, B.S., 1933
LESLIE BYRON POLAND, B.Ed., Illinois State Normal University, 1934
HAROLD JAMES READ, B.S., 1934
MARVIN TOUSSAINT SCHMIDT, B.S., 1934
HORACE MARION TENNEY, B.S., Greenville College, 1931
WILBUR GLEN TILBURY, B.Ed., Illinois State Normal University, 1928
HARRY TUTHILL VAIL, B.S., Wayne University, 1934
RICHARD HAVEN WILEY, A.B., 1934

In Civil Engineering

GEORGES ECONOMOU, B.S., Robert College, 1934
FERHAT RASIT ERGÜN, B.S., Robert College, 1934
MEHMET CEMIL IZ, B.S., Robert College, 1931
GEORGE CONSTANTIN KARADJOPOULOS, B.S., Robert College, 1934
YANI TSULLUOGLU (KARPOPOULOS), B.S., Robert College, 1934
HOVHANNES N. KHOUBESSERIAN, B.S., Utah State Agricultural College, 1934
MUHIDDIN KIASHIF, B.S., Robert College, 1934
LÜTFİ HIKMET NOURHAN, B.S., Robert College, 1934
SAVAS PANAYOTIDES, B.S., Robert College, 1934
GEORGE THEODORE VALSAMIDIS, B.S., Robert College, 1933

In Dairy Husbandry

MELANTHON HERBERT ALEXANDER, B.S., 1925
CARL NEWLIN CONOVER, B.S., 1931

In Economics

CHESTER LEROY BLOMBERG, B.S., 1933
ROBERT W. FIELD, B.S., University of Colorado, 1934
PHILOMENA LOIS MARQUARDT, B.S., 1934
BENJAMIN WILSON WEISIGER, B.S., 1934

In Education

LEROY JESSE BAKER, B.Ed., Eastern Illinois State Teachers College, 1931
OLAF REYNOLD BLOMQUIST, A.B., Augustana College, 1934
MARJORIE MAE MARRIOTT, B.Ed., Illinois State Normal University, 1934
VIRGINIA LOUISE NOBLE, B.S., Shurtleff College, 1934
WILLARD MILLER RUNYON, A.B., 1924
LEVONA VOIGT, A.B., 1934
FRANK CHAFFIN WILLIS, B.S., 1934

In Entomology

GEORGE KOCH SCHUMAKER, B.S., Pennsylvania State College, 1933

In Geology

JOHN FREDERICK BARRETT, B.S., Beloit College, 1934

In Home Economics

DARLINE MCCREERY KNOWLES, A.B., 1932
ETHEL ROMEYN MARKLAND, B.Ed., Illinois State Normal University, 1931

In Horticulture

WILLIAM HENRY DUIS, B.S., 1933
LUCIAN HART STRUBINGER, B.S., 1926

In Library Science

DOROTHY MOYER HALMOS, A.B., Eureka College, 1924; B.S.(Lib.), 1927
MYRTLE IRENE MCNEIL, B.S., University of Vermont, 1920; B.S.(Lib.), New York State Teachers College, 1931

In Mathematics

MILDRED ARDELL NORVAL, B.S., 1934

In Physics

GEORGE KENNETH GREEN, B.S., 1933

ROBERT DUWAYNE MILLER, A.B., Knox College, 1934

JOHN MARSHALL NASH, B.S., 1932

In Psychology

CORA ELISABETH DE BOER, B.S., Northwestern University, 1934

In Theoretical and Applied Mechanics

STANLEY URNER BENSCOTER, B.S., 1932

In Zoology

HARLOW WHITING ADES, B.S., 1934

THELMA FISH BROWN, B.S., 1932

SAMUEL WILBUR HOWE, B.Ed., Southern Illinois State Normal University, 1925

ROBERT GUST LINDEBORG, B.S., 1934

COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

*In Liberal Arts and Sciences*ISABEL LARSENA ADAMS, with Honors
in History

DRUSILLA ADEN

GLENN WAKEFIELD ALLEN

RICHARD ALLYN, with High Honors in
ZoologyJEAN BAIRD ALMY, with High Honors
in Bacteriology

BENJAMIN BERNARD ALSTON

GLENN CHARLES AMES

HAROLD LOUIS ANDERSEN

CHARLES ROY ANDERSON

GENEVIEVE SARAH ANDERSON

ALICE JACQUETTE APPELL, with Honors
in FrenchJEAN ARMSTRONG, with High Honors
in French

JOHN BARR ARMSTRONG

GERALD LEROY ARNETT

MARY ALICE ARNOLD

FRED COURTNEY ARTHUR, with High
Honors in EnglishMARGARET FRANCES ASKREN, with
Honors in French

JAMES THOMAS ATKINSON

CHARLOTTE THEODORA BAER

TED WELLING BAER

ROSCOE LAWRENCE BALL, Jr.

HARRY BANOFF, with High Honors
in PhysicsHENRIETTA ELAINE BARLOW, with
Honors in English

FRANK CLAUDE BARNES

ROBERT GILMORE BARRICK, with
Honors in Chemistry

SAM BARTH

HELEN LOUISE BARTLETT

PARKER REYNOLDS BEAMER, with High
Honors in Bacteriology

LOUIS ERNEST BECKMAN, Jr.

MILFORD JAMES BENHAM

ROCHELLE BERNSTEIN

EDWARD PHILIP BERRY

JOHN TRUE BEYNON

OSCAR HOY BIZZELLE

CHARLES THEODORE BLACK, with High
Honors in ZoologyHARRY BLEIWEISS, with Honors in
German

KATHERINE ANN BLOCK

WALTER HENRY BLUMENKAMP

SAM AARON BOORSTEIN

ROBERT BAUMANN BORCHERS

HARRIET VIVIAN BRADBURY, with
Honors in French

HAROLD ALTON BRADER

MARIAN LOUISE BRADFORD

FLOYD EUGENE BREWER

ESTHER BRINEY

LEONARD PAUL BRODT

PEARL COVERT BROMLEY, with Honors
in Psychology

ROY WEBSTER BROOKS

OLIN LORRAINE BROWDER, Jr., with
Honors in Political ScienceMARY LOUISE BROWN, with High
Honors in Bacteriology

KATHERINE FRANCES BURROWS

JEAN SEATON CABEEN

LEONA EDNER B. CAIN

JOAN LEE CAPERTON
 DOROTHY JOY CARSON
 FLOYD DAVID CERF, JR.
 MARGARET LOUISE CHAMBERLIN
 MARY JANE CHANDLER
 CHRIS WILLIAM CHIBUCOS
 ABRAHAM FREDERICK CITRON
 CLINTON OLIVER CLARK, JR.
 JAMES WHEELER CLEMENT, with
 Honors in Chemistry
 MARY CATHERINE CODY
 CHARLES HOWELLS COFFIN, JR.
 NATHANIEL H. COHEN
 MARY TEAL CONKLIN
 AUBREY OLIVER COOKMAN, JR.
 HARRY LYNN COONRADT, with High
 Honors in Chemistry
 RUTH HELEN COOPER
 FLOSSIE MADELINE CORD, with Honors
 in German
 MARY JANE CORYA
 GUILFORD HENRY COUCHMAN
 MARY ELIZABETH COVER
 CHARLES CHASE CURRY, JR.
 MARGARET ANN CURTIS
 LOUIS ALBERT DAEHLER
 HELMUT OTTO DAHLKE, with High
 Honors in Sociology
 JOSEPH WILLIAM DANELY
 HARRIET ISABEL DANLEY, with
 Honors in Philosophy
 MARION MARCELLA DAWSON
 JOHN FISHER DAY
 SHIRLEY WENTWORTH DAY
 SYLVESTER WARREN DICKSON
 MARGUERITE ALTHEA DONOVAN
 WILLIAM MORRIS DORMAN
 VIOLA RUTH DUNBAR, with High
 Honors in English
 BUELL DUNCAN
 THEODORE BRADFORD DUFFEE
 J. PHILIP DURHAM
 MILDRED WORCESTER EASTON
 EDNA MAE EDWARDS, with Honors
 in French
 RUTH EILEEN EDWARDS
 ARTHUR EIDMAN, JR.
 CARROLL GEORGE EKSTROM
 WILLIAM FERDINAND EKSTROM, with
 High Honors in Speech
 FRANCES ELEANOR ELFSTRAND
 REGINA ESTHER ELKES
 ROBERT B. ENGSTROM
 LESLIE ALAN EPSTEIN, with Honors in
 Chemistry
 KENNETH NELSON ESLINGER
 KENNETH EDWARD EVANS
 JOHN DILLON EWALD
 SIDNEY J. EWALD
 RUTH ABIGAIL FERGUSON
 CAMILLE FERRARA
 JOSEPHINE FERRARA

EVELYN FERRELL
 WILLIAM HOSEA FERRELL, with Honors
 in History
 CHARLES RANDALL FLACHMANN
 LAWSON HOLLAND FLANAGAN, JR.
 ROBERT MARTIN FREDRICKSON
 ESTELLE BERNICE FREUND
 LILLIAN X. FROST
 ELIZABETH FULTON
 JOHN DUDLEY GEARON
 EVELYN MAY GOODING
 KATHRYN MILDRED GRAHAM, with
 Honors in French
 ROBERT HIRAM GREELEY
 RUTH MARY GREEN
 JANICE ELAINE GREIDER, with High
 Honors in English
 DOROTHY MARIE GREIF
 GLENN FRANK GRIFFIN
 GLENN EVERETT GROSE
 JOSEPHINE SARAH HALL
 VERA DOROTHY HALLER
 HARRIETT MARIE HAMILTON
 RUTH JANET HAMILTON
 WILLIAM FRANCIS HARKINS
 EVERETTE BAGBY HARRIS
 HAZEL JANE HARRISON
 MELVILLE DANIEL HARTMAN
 PAUL EDWARD HEALY
 ROBERT RENWICK HEER
 PAUL THEODORE HEERWAGEN
 HARRY CONRAD HEIDINGER
 BERTHA AMANDA SOFIA HELANDER
 CECILIA MARIAN HELLRUNG
 JOHN EDMUND HELM
 THOMAS ARTHUR HENRY
 CATHERINE LOIS HESSELSCHWERDT,
 with Honors in Mathematics
 HELEN BLANCHE HODGSON
 JESSE WALTER HOFER
 GEORGE FLORIAN HOUNDT
 KATHERINE LOUISE HOWELL
 DOROTHY MARIE HUNT
 KATHRYN WINIFRED HUXTABLE
 REX LEROY ILER
 FREDERICK ESSELMAN ISAMINGER, JR.
 ZELDA SYLVIA ISENBERG
 MILFREIDA LOUELLA JARED
 ELIZABETH JOSEPHINE JOHNSON
 PAUL JOSEPH KAMINSKI
 JOHN GORDON KASBEER
 CLARENCE HENRY KAVANAGH, JR.
 ELEANOR KEITH
 MARY KEITH
 GRACE KELLEY
 SUNNY KENNEDY
 VIRGINIA MORRIS KEUSINK
 DONALD EUGENE KIBBEY
 CAROLYN KIMBALL, with Honors in
 Speech
 JEAN ELIZABETH KOEHLER, with
 Honors in French

- MARTHA LEAINE KOHN
 IRWIN HAROLD KRASS-KESTIN
 RUTH JOSEPHINE KUHN
 LAURANCE WARD LASAGE, with High
 Honors in French
 NANCY LOUISE LEACH
 LOUIS EUGENE LEITER
 ORIAN GREGG LEMEN
 ALTA HYDE LEWIS, with Honors
 in Speech
 WAYNE THURLOW LEWIS, with Honors
 in Political Science
 JAY BENJAMIN LIEBERMAN, with
 Honors in Philosophy and
 Political Science
 ELI ALLAN LIPMAN
 IMOGENE LOCKE
 JAMES MITCHELL LOGAN
 JOHN HERBERT LUND
 HELEN JOSEPHINE LUSTER, with
 Honors in French
 RUTH ANN LYDDON
 EDITH LYTLE
 MARCELLA ERINGER MCCAULEY
 DONALD WAYNE MACCLOSKEY
 CATHERINE CONSTANCE MCMAHON
 WILLIAM DANIEL MCMULLEN
 NORMAN ANTON MCQUOWN, with
 Honors in German
 ROBERT JAMES MADDEN
 CATHERINE PORTIA MALCOLM
 JOSEPHINE ROSE MALLOY
 DOROTHY ELIZABETH MALONE
 MARTHA LOUISE MALONEY, with
 Honors in Spanish
 ELIZABETH KIRWAN MANN
 JAMES MANN
 RAYMOND WOODROW MASON
 MARION LUCILLE MATHESUS
 MARY JANE MATTHEWS
 JAMES WALLACE MECKLIN
 GRACE MEIER, with Honors in
 French
 HARRY MEIRKEN
 ARNIETA JOHANNA MEISLAHN
 INEZ DOROTHY MELIN
 FRANK RICHARD MERCER
 LUCRETIA MARIE MICHELS
 KATHRYN ELIZABETH MILLER
 MARSHALL EVANS MILLER, with
 Honors in History
 PEARL REBECCA MILLER
 JEREMIAH MINEAR, JR.
 ALLEGRA CLAIRE MONTGOMERY, with
 High Honors in Philosophy
 KATHRYN LUCILLE MOORE
 SHIRLIE L'NEE MOORMAN
 CHARLES WILLIAM MORRIS
 CONSTANCE AMELIA MOSES
 ANTHONY BONIFACE MOTTEL
 WALLACE MULBERRY MULLIKEN
 MILTON MUMFORD
 HELEN ELIZABETH MURPHY
 JAMES EDWARD MYERS
 DOROTHY LOUISE NICKEL
 LOUIS LYNN NICKEL
 ANNETTE CAROLYN NORTON
 MARY MARGARET OLDHAM
 CONSTANCE WILTBERGER PADDEN
 SARAH ALICE PATTERSON
 FRANCES MYRTLE PATTON
 JAMES NELSON PAYNE
 GRACE HAZEL PENDLETON
 SAM SOLOMON PESSIN
 VIVIAN DODD PETER
 KENNETH JOSEPH PETTIGREW
 LA NELLE MARIE PHELPS
 ALBERT CHADWICK PIERSON
 FRANCES LOUISE PLATT
 FRANK THEODORE PLATTNER, with
 Honors in Political Science
 BERNICE ERMA POPP
 RUTH MILLS POWNALL
 ROBERT JAMES PREE, with High
 Honors in Sociology
 KATE WILLARD PRIESTLEY, with
 Honors in Political Science
 ELIZABETH WALKER PROVINCE
 CHARLES STALEY PUNTNEY
 RUTH ELIZABETH PUTNAM
 ROBERT WALTER QUARTON
 HUGH LIGHT RAY, JR.
 OWEN JORDAN REAMER, with High
 Honors in English
 ROBERT LEE REDFERN
 RAE HELEN REED
 JOHN EVERETT RICHARDS
 EDMOND FAIRLIE RICKETTS, with High
 Honors in Political Science
 KARL VINCENT ROHLER
 WILLIAM LLOYD ROLLER
 BERTIL THORSTEN ROSANDER
 DONALD IVAN ROTH
 ANNA CONSTANCE RUBIN
 MARTHA HARTLEY RUSK
 HELEN LOUISE RUSSELL
 CHARLES BYRON SABIN
 FREDERICK WARREN SALISBURY
 JOHN HENRY SANDERS
 PATRICIA SARGEANT
 JOHN PHILIP SAWYER
 WINIFRED CATHERINE SCANLON
 JOHN HAMMOND SCHACHT
 IRWIN ALLEN SCHEIN
 ANNETTE VIOLA SCHEYER
 ROSE LILLIAN SCHILLER
 WALTER PHILL SCHINDEL
 MAURICE HAROLD SCHY
 JOSEPH WRIGHT SCOTT
 VIRGINIA ARENSMAN SCOTT
 FRANK LAWRENCE SEAMANS
 MARGARET FRANCES SEYBOLD
 ELIZABETH K. SHAFER
 CHARLES ELDER SHAVER, JR.

JEANNETTE SHEARER
 BRUCE DAVIDSON SHEPHERD
 GEORGE HARRY SHEVLIN, JR.
 CHARLES FRANCIS SHORT
 LUTHER LEROY SIEMERS
 CLARA KAY SILVIAN
 HAROLD MEYER SIMON
 SYDNEY ORRINGTON SIMON
 WILLARD EVANS SKIDMORE
 WILLIAM ALBERT SKOGLUND
 LEN HOWARD SMALL
 CATHERINE ELIZABETH ELENORE SMITH
 MARY CATHERINE SMITH, with
 Honors in French
 GRACE CASTELLO POPE SNYDER, with
 High Honors in History
 JOHN ROBERT SOMMER
 MARTHA LUCILE SPICKERMAN
 MARJORIE CARTER STEELE
 EVELYN ANN STERN
 ELIZABETH HARRIET STERNE
 KATHERINE LOUISE STIEGEMEYER
 HELEN SHIRLEY STUMBAUGH
 MARY ALICE STUTTLE
 DOROTHY LUCILLE SUNDQUIST
 IRMA LOUISE SWANK
 HELENE ANGELINE SZUMKOWSKI
 MARJORIE CAROLINE TAYLOR, with
 Honors in History
 DON WRIGHT THACKER
 AGNES LOOMIS THOMPSON
 LARUE GAYLE THOMPSON
 ROBERT BRUCE THOMSON
 SIDNEY THEODORE TRAPPE
 HILDAMARIE TREESH

ROBERT DYER TUCKER
 S. RUTH VALBRACHT
 FRANCES VANCE
 FRANCES JEAN VAN TRESS
 ADELE DOROTHY VON GERICHTEN
 HARRY VOSHALL
 MARY CATHERINE WAGGONER
 MYRON COOPER WALKER
 JOSEPHINE HUNT WALLER
 JOSEPH ANTON WANDERSCHIED
 THELMA JANE WARREN
 JESSE BUREN WASSON
 JOHN WALTER WATERMAN
 MAYNARD OTTO WEBER
 MIDGE ADELE WEINSTEIN
 CAROL WESTERN
 BRUCE JACOB WHEELER
 WENDELL KETTERMAN WHITE
 VERA GRACE WHITTED
 ROBERT GRISWOLD WIESE
 MATILDA WILEY
 CLARENCE MELWIN WILLIAMS
 FRANK MORRELL WILMER
 LAWRENCE BERTELL WILSON
 MABRE DELILAH WISE, with High
 Honors in English
 PHILIP PATCHIN WOLCOTT
 ANNETTE MARGARET WOLFRAM
 DICK HOBLIT WOODS, with Honors
 in History
 JOHN BEADLES WRIGHT
 RICHARD WINSTON YOCOM
 WARREN GEORGE YOUNGREN
 PAULA OLGA ZEITER
 THEODORE HAROLD ZIMMERMAN

In Home Economics

EUNICE ELEANOR BAKER
 HARRIETT LOUISE BARRETT
 MARIE MUIRHEAD DAUGHERTY
 VELMA MARIANNE EICHHORN
 VIRGINIA HINDMAN
 HELEN KING, with Honors

HELEN FAY ROBERTS
 ELIZABETH MARIE RUNKEL, with
 Honors
 MARY ELLEN RUSKAMP, with Honors
 JACQUELINE FRANCES UTTERBACK

Degree of Bachelor of Science

In Liberal Arts and Sciences

WARREN AMBROSE, with Honors in
 Mathematics and Philosophy
 CHARLOTTE BAUER
 JANE ELIZABETH BECK
 LOUIS M. BERMAN
 HENRY SCHOLTEN BERNET, with High
 Honors in Chemistry
 WOODROW FEWELL BOEKE
 KENNETH NICHOLAS BOLEY
 DAVID ABRAHAM BOOKSHESTER
 ROBERTA MAURINE BURKEY
 ROBERT WILLIAM COLLETT
 ANDREW VICTOR DAHLBERG, JR.

PETER GEORGE DUNCAN
 SISTER MARY CLOTILDA GARTLAND
 WALLACE WOODROW HAGAN, with High
 Honors in Geology
 ROY ALAN HIGHSMITH
 EVERETTE CARL HOLMGREN
 SAMUEL DAN IURILLO
 GERALD GALE JOHNSTON
 CHARLES WESLEY KERCHNER
 RICHARD DOUGLAS KLEENE
 MARGARET CHARLOTTE KOLLER
 EDWARD FRANK KOSIOR
 MILTON WOODROW KRISSMAN

BRUNO KVTINSKAS
 JEANNETTE IRENE LILJEQUIST
 JACOB JACK LISS
 GEORGE EASTMAN LYNN
 JULIE JANET MCHALE
 JAMES ALVAH MCHARD
 JAMES CHARLES MCLLLEN
 ARTHUR MARCOVITZ
 WILLIAM ALBERT NEWTON, with
 Honors in Geology
 GEORGE BUSCH PHELPS
 MATTIE GAILLARD PITNER

LEO LEIFF ROSEMAN
 ALVIN GEORGE SHARP
 MARGARET MAE SNIDER
 MARION GRACE SPIVEY, with Honors in
 Physics
 CHESTER HENDRIE STOKES
 JOHN EDWARD SULLIVAN, JR.
 CHARLES GUSTAV TILGNER
 HELEN CELESTE VOGEL
 LEONARD WIRTH
 WILLIAM FREDRICK WRATH

In Chemistry

LESTER DONALD APPERSON
 SAM BERNARD BECKER
 HAROLD ALEXANDER CAMPBELL
 HARRY GARRETT CLAY
 ROBERT ELIHU EDWARDS, JR.
 MYRON ANDREW ELLIOTT, with High
 Honors
 JOHN HARRIS HASLAM
 RICHARD JAMES HICKEY
 PHILIP NATHAN LIPSON
 FRED TAYLOR MARSHALL

ROBERT LEE MAY
 JOSEPH LAWRENCE MURPHY
 EDWARD ANDREW OBERRIGHT
 JACOB OSER
 JAMES LARIMER RAINEY, with Honors
 DONALD AARON RAPPOPORT
 JULIAN GILBERT RYAN
 HARRY SLOSBERG
 GLENN PURCELL SMITH
 RUSSELL FRANCIS STEDMAN
 BENJAMIN TABENKIN

In Chemical Engineering

CANDELARIO MATA ALMENDRAS
 JOHN HUFFMAN BALDWIN
 WILLIAM JOHN BENDEL
 JOHN EDWARD BURGESS
 MERLE H. CHAMBERLIN
 CHARLES KENNETH COOPER
 MARTIN DAVIDSON DANFORD
 HAROLD SYLVESTER DUHAMEL
 EUGENE ALLAN FISCHER
 JULES WESLEY FLORETH
 RALPH VERNON GREEN
 HENRY ALLEN HOLLER
 JOSEPH FRANK HOUEK
 ROBERT DALE JACOBSON, with Honors
 EUGENE LEO KLEIN
 WILLIAM MONDENG LANGDON
 HARRY WEBER MCCULLOCH, JR.

VICTOR GERALD MEADORS, with High
 Honors
 ALFONSO MONTERO
 EDMOND S. PERACCHIO
 LOUIS PLAMBECK, JR., with Honors
 WALTER A. PYHRR
 THOMAS PATRICK QUINN
 ROBERT CHARLES REINHARDT
 CLEMENT EDWARD ROWE
 JAMES PHILIP SHAMBAUGH
 JAMES WILLIAM STARRETT
 GILBERT LESTER STUNKARD
 RICHARD DONALD TURNER
 ERNEST MITCHELL WHITNEY
 HARRY LENTZ WILLARD
 NORMAN BURNS WILSON

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

HOWARD GOOD ACKER, with Honors
 CHARLES ROOSEVELT BASH, with Honors
 GORDON LEON CHAPMAN
 EDWARD THOMAS CLARK
 ROBERT HASSETT DADANT, with Honors
 ARTHUR CHARLES DETRICH
 WILLIAM FENNO DEWEY, with High
 Honors
 LOUIS DRISS

VERNON EUPHRATES ELDER
 WILLIAM RAYMOND FANNIN
 JAMES GAGE FAY
 ARTHUR NATHAN FRIEDMAN
 VIRGIL VESCO GRANT
 BENJAMIN WOODROW HILL
 FRED HILLER
 ROBERT HOTCHKIN
 JOSEPH JOHN KAVOLUS

ISABELLE J. KINSELLA
EDWARD CHARLES KONCHAL, with
Honors
CARREL FREDERICK MILLER, with High
Honors
CHARLES WALLACE MORTON
EDWARD RAYMOND NELSON
RICHARD JOHN PIECH
ROY SAMUEL RICKETTS
WILLIAM ALEX ROPA
EMERY GAYTHOR RUTHERFORD

MILTON ROBERT SCHACHTMAN
WILBUR HENRY SCHAUER
ARTHUR ROBERT SEASS, with Honors
RUTH EVA SHAYMAN
EDWIN EARL SHERMAN
LYLE EDWARD THOMPSON
SAWYER ARNOLD TULLER, with Honors
JOHN ELMENDORF WATTE, with Honors
WILBUR MASON YOUNG, with High
Honors

In Banking and Finance

LEROY ALLISON
CLARENCE MALCOLM ANDERSON
RICHARD CARY CODDINGTON
JACQUES ANDRE DUFRESNE
ROBERT CHILDS EVANS
WILLIAM JOSEPH FRIEND
JAMES THOMAS GREENE, JR.
ROBERT WILLIAM GRIM, with High
Honors
MARTIN AUGUST HARNISCH
GARDNER WILSON HEIDRICK
GEORGE RICHARD KLEIN

JOHN LEO MCNEIL
ALVIN MERRITT MICKELSON
FRANCIS MARION MITCHELL
GENE WESNER PALMER
STANLEY DONALD PITZER
RAYMOND GLENN SCHNEIDER
BENJAMIN PETER SCHRUMPF
CLIFFORD JOHN STANGE
WILLIAM NURNBERG TAYLOR
JOHN WESLEY USBORNE
IRWIN RICHARD VALENTA

In Commercial Teaching

RUTH ELIZABETH FISHER

In Commerce and Law

HARVEY HEATH ACTON
LOUIS FRENCH ALYEA
THOMAS MINARD BAKER
JOHN HENRY BARTH
JOHN DAVIS DAILY
JAMES ARTHUR EATON
WESLEY ALFRED EBERLE
WILLARD LELAND ECKHARDT
FRED RAYMOND EISEMAN, JR.
VERNON ANDREW FORSBERG
FRENCH LEVERING FRAKER
J. HAROLD GLASCOCK

LAWRENCE RAY HATCH
FRANCIS WILLIAM HECKLER
LELAND HOPKINS HUNT
LYLE GERALD JACOBSON
ROBERT HENRY KINDERMAN
NELSON HALL LAYMAN
GILBERT ERNEST OLESON
ROGER DUVAL O'NEAL
CLARENCE ECK PARTEE
HOWARD TICE RUFF
WILLIAM STEWART SCOVILL
OSWALD DAN VESPA

In Foreign Commerce

RANALD GREGORY RUCKER, with Honors GENNARO STEPHEN SARLI

In General Business

W. CARL ALLEN
VICTOR LYNN BAUGHMAN
ALVIN HAROLD BERNDT
EDWIN LEROY BOYNTON
CLAIRE HOLCOMB BROONER
MORRIS N. BURT
FREDRICK HARRISON BYERGO
MARION LILLIAN CADWELL
LOWELL JESSE CAPOOT
ARTHUR WILLIAM CARLSON
DONALD ALLEN CARRISON
ERMA GERTRUDE CASSADY
HARRY DAVID CHESNEY
ALICE CLAEYS

DOROTHY ELLIS COE
JOHN RICHARD CONNER
HAROLD EUGENE COOGAN
DOROTHY DEAN COOK
ISAAC NEWTON COOLLEY, JR.
PETER PAUL CORGIAT
CARL ELLIS CORZINE
JOHN WILLIAM COTTER
ANDREW WALTER DAHL
ELIZABETH ANNE DAUT
RALPH MILTON DAVIES
MARION ESTELLE DRAKE
RUPERT FRANCIS DUNHAM
WILLARD ADOLPH ECKERSTROM

WILLIAM LEONARD EVANS, JR.
 CORNELIUS JOSEPH FOLEY
 HUGH WATSON FREY
 DALE HENRY FULTON
 FILLMORE WALTER GALATY
 WILLIAM EDWARD HAGENBUCK
 VICTOR ELLSWORTH HALLMANN
 ARTHUR PAUL HAMERSMITH
 MARIE ELIZABETH HANDSCHUH
 HOWARD RICHARD HANNAPEL
 RALPH HENRY HEICKE
 DURWARD OLIVER HEIN
 HERBERT KINTNER HENRY
 FRANCIS ROSS HILES
 WILFRED FREDERICK HOELSCHER
 CHARLES WILLIAM HONEYWELL
 HUGH STEPHEN IRWIN
 ROBERT BRADFORD JENKINS, with Honors
 LOUIS MCGLENTHE KESSLER, with
 High Honors
 AUGUST JOHN KOWALSKI
 ERIC MARSHALL LARSON, JR.
 THOMAS FRANKLIN LATZER, with
 Honors
 CHARLES KENT LEEPER
 STEPHEN LEVITAS
 BURKE LYERLA
 VERNON ALLYNE MCCALLEY
 MARY ALICE MCINTYRE
 FREDERICK A. McLAUGHLIN
 JAMES HEWITT MANSFIELD
 BERNICE EMILY MILEY
 ROBERT BAIR MINGLE, with High
 Honors

LEONARD HUGH MITCHELL
 FRANCIS HENRY MUNS
 JOHN BARRETT MURPHY
 HAROLD BERTRAM MYERS
 ARTHUR RAY NASH
 MARSHALL HENRY OLSON
 CHARLES EDWARD OTTO
 GEORGE WILLIAM PARSHALL
 WALTER RUSSELL PETERS
 MARION RUTH JEANETTE PETERSON
 JAMES REES PICKEL
 WILLIAM LOWELL REESE, with High
 Honors
 MELVIN THOMPSON REU
 WILBUR THOMAS ROTH
 WILLIAM HENRY RUSKAMP, JR.
 ALLAN WATKINS RYDER
 ANTON RALPH SIMKUS
 ROBERT JOSEPH SINDELAR
 FLOYD ALBERT SINGLETON
 CLARENCE EDWARD SODERSTROM
 JAMES EDGAR STEELE
 STEVEN STEFANIK
 HOWARD FREDERICK STINTON
 HALBERT FRANK THOMAS
 JOHN UGO
 ARNOLD O. UNBEHAUN
 DOUGLAS BYERS WALDO
 ELMER VINCENT WEICHEL, JR.
 GEORGE ABNER WENTZELL
 MARY ELIZABETH WESTENBERGER
 WILLIAM BYRON WHITE

In Industrial Administration

FREDERICK SHERWOOD CROOK	BEN CHARLES LEWIS, JR.
WALTER J. GEISLER	WILLIAM JAMES LITTELL
GEORGE MARK HARDING, JR.	CARLISLE EDWARD MOYER
FRANCIS ROBINSON INSKIP	JAMES BALL ROSBOROUGH
JAMES MITCHELL JOHNSTON	BRUCE WALCHER
ROBERT DALE JONES	EDWARD OTTO WITT

In Insurance

JOHN FRANKLIN GOUGH

In Public Utilities

EMIL LOUIS KACER, with High Honors	STANLEY JOSEPH PAUL ZIENKOSKY
CARL LUTHER STEVENSON, with Honors	

In Trade and Civic Secretarial Service

FRANCES LOUISE MASIOKUS

In Accountancy and Banking and Finance

PATRICK DAVITT	DAVID GREENHOOT SCHWAGER
PRESTON WHITCOMB KIMBALL	RUTH EVELYN SLIDINGER
JOHN ROBERT LARIMER, with Honors	

In Accountancy and Commerce and Law

BYRON LEROY CONNELL

In Transportation

GEORGE WILLIAM CARSON

In Insurance and Trade and Civic Secretarial Service

ELEANOR BAILEY GODDARD

In Commercial Teaching and Trade and Civic Secretarial Service

RUTH BERNIECE GERMAN

JEAN FRANCES PEABODY

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

*In Ceramics*ROBERT JETHRO BAKER
JAMES JOHN THEODORE

ARTHUR EDWARDS WILLIAMS

*In Ceramic Engineering*KENNETH JOHN BRAY
WILLIAM WEBER COFFEENROBERT RUSSELL SHERRILL, with
Honors*In Civil Engineering*JOHN WOODROW ACKER
WILLIAM FRANCIS BARNES, JR.
FREDERICK TAYLOR BATTEY
JAMES EUGENE BRISSENDEN
AUBREY J. BROWN
JOHN EDWARD BURKE, with Honors
ALBERT WALTER CARLSON
ROBERT FRED CHRISTENSEN
JAMES GORDON CLARK, with Honors
ROSCOE THOMAS COOK
JOHN REGAN CULLINGS
WALTER MELVIN ENGER
EIGIL RALPH FADUM, with High
Honors
JOHN REID FRASER
BRADFORD ALFRED GOODENOUGH
CHARLES JOHN HARRINGTON
CHARLES EDOUARD HUGHES, JR., with
Honors
WALLACE SIMEON JOHNSON
JAMES EDWIN KELLOGG
ROBERT WARREN LAKE
ALBERT MACCULLOUGH LEVY
ROLAND OTTO LUETZELSCHWABNEWLIN DOLBEY MORGAN, JR.
FRANK MCARTHUR MORROW, with
Honors
LESTER FRANKLIN NIXON
JOSEPH OTTO POKORNY
ANTHONY CHARLES REPSIS
SAMUEL CHARLES ROBERTS
ELMER WALTER RUHNOW
MAX SCHLESINGER
WILLIAM BASIL SHARAV, with Honors
HOWARD WALTER SKOV
WILLIAM HENRY SOLGER
CHARLES EDWARD SOLOMON
EDWARD STUK
JAMES CHARLES TOUREK
ARTHUR PAUL TROEMPER
EDWARD ERNEST VARNUM, with Honors
RAMON FRANKLIN VOGEL
WARREN RICHARD WAGNER
FRANK LOUIS WARREN
PAUL MAX WEBERLING, with Honors
GAYLORD DONALD WEEKS
HERBERT CARL ZILLY, with Honors*In Electrical Engineering*RALPH EMERSON BAILEY, with Honors
CHARLES RILEY BARRICK
ROBERT DONALD BESSE
JOHN LEWIS BLACKBURN, with Honors
ROBERT EDGAR BODMAN
GEORGE WOODROW BOWEN
IRVEN ROBERT CARTER
NORMAN FREDERICK CLARKE
HARRY DAN COOPERMICHAEL CLARE CRIDLEBAUGH
THEODORE KAY FRYSTAK
RICHARD HENRY GEHRER
RICHARD HARRY GILES
HAROLD LUKE GREENE
STANLEY EDMOND GRIMM
WILLIAM CLARKE HAGEY
GEORGE ORVILLE HESSLER
HARRY WALLACE HORN

MACK CLETUS JONES
 HAROLD HERMAN KREFFT, with High Honors
 EDWIN MARQUES LABAW
 GEORGE WADE LEDBETTER
 GERALD PRESTON LERNER
 THOMAS HOWARD McCULLY
 STANLEY CHRISTOPHER MADER, with High Honors
 MARVIN MARKS
 RICHARD AULD MAYBURY
 CLIFFORD NICHOLAS MELZER
 CARL EDWIN HERBERT MORTENSON
 STANLEY ARVID NELSON, with Honors
 ARTHUR FRANK ORDAS, with High Honors
 ARTHUR LEROY PETERS, JR.
 DALLAS JAMES PHOTOPULOS
 LEO EVERETT PIGG
 GORDON O. POHL

FRANCIS PAUL PREVE
 JOHN ROBERT PROSEK
 EDMUND AUGUST REHWALD
 JOHN HUDSON RIGGS
 DELMER ARTHUR SANDBERG
 WILLIAM PETER SCHMITZ
 ROBERT VINCENT SHEPHERD
 RICHARD LOUIS SHIRE, with High Honors
 HAROLD ALVIN SMITH
 SIDNEY FRANK SMITH
 BERNARD LOUIS STONE
 ARTHUR REECE STOVER
 ALBERT WILLIAM SURIE
 ACHALIS MATHER SUTHERLAND, with Honors
 DAVID EVANS TURNER
 ALFRED STANLEY WEBECK, with High Honors
 WILLIAM DAVID WEISBERG

In Engineering Physics

HENRY LOUIS GIBSON
 SYLVESTER HERMAN HARTZ
 BRUCE ADAMS KING, JR.
 JAMES ANDREW LARSEN, JR.

NORVAL PRESSLEY MILLAR
 ROBERT CURTIS RETHERFORD, with High Honors
 HENRY ESCO RHEA

In General Engineering

HORACE JENNINGS GASTON
 PERCY CARLTON HARNDEN
 ROMAINE BOARDMAN HUTTON

DAVID EASTON KIRKPATRICK
 WILLIAM GRANGER PITT
 RUSSELL JAMES WHYTE

In Mechanical Engineering

LOWELL BROWN ANDERSON
 JOHN WILLIAM BAUR
 MELVILLE WHITNEL BEARDSLEY
 WILBUR WARD BETTS, with Honors
 ANDREW PETER BOEHMER
 ROBERT PRESTON BOWDITCH, with High Honors
 CARROL WALTER BRISSENDEN
 NORMAN ALBERT BROWN
 ALBERT EDWIN CARLSON
 ALBERT ALLEN COE
 MORGAN BENNETT CORLEW
 FRANK KENT DALRYMPLE
 LEROY ADAMSON DIXON
 JULIAN LAVERNE DODGE
 ROBERT WILLIAM EICHENBERGER
 CARL WILLIAM EKSTROM
 HARRY GORDON FAULKNER
 ALBERT WILLIAM FISCHER
 JAMES FRANCIS FITZGERALD
 ARVID DERMOT FRAUTNICK
 CHARLES KNIGHT HEDGES
 HARVEY PAUL HINTZ, with High Honors
 WALTER ALLEN JOHNSON
 ARTHUR FREDERICK LA FORCE
 ROBERT FRANK LINDGREN

LEWIS SHEPPARD MCCLURE
 WEBSTER KEPLINGER MAYFIELD
 DAVID KILBURY MITCHELL
 CHARLES ARTHUR OLSEN
 EDWARD JOHN PIWINSKI
 CLIFFORD FRED RANSOM
 DONALD WHITAKER ROSS
 LLOYD ROBERT SAMUELSON
 NORMAN AMOS SCRANTON
 IRVING ROE SEELY
 EVERETT THOR SIMONSON
 FRED LAVERGNE SPALDING
 RALPH FLETCHER STANFORD
 CLARENCE HENRY STEIN, with High Honors
 HOWARD WILLIAM STETTNER
 WALTER CONRAD STRAKOSH, with High Honors
 KEITH NEIL SWANSON
 MYRON LEWIS THOMAS
 VINCENT JOHN VAN METER
 JAMES AUSTIN VITZTHUM
 WILLIAM PAUL VLACH
 EVERETT FRANK WAGNER
 WALLACE JOSEPH WEIRICH
 JAMES WILLIAM WRIGHT
 ATHANASSIUS A. ZAPHIRIDES

In Mining Engineering

CHARLES CHILTON BOLEY, with Honors RALPH BREEN JONES

In Railway Electrical Engineering

WILLIAM BRAZITIS MAURICE RODERICK EASTIN

In Railway Mechanical Engineering

GEORGE JOHN LEHNERER MILLARD ORLANDO STARR, with Honors

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

MENZIE AMMON
 JOSEPH WILSON ASHBROOK
 KENNETH DILLON BAILEY
 CARL JOHN DE BOER
 OSCAR MOORE BREWER
 DILLON SIDNEY BROWN, with High Honors
 WILSON BRYANT
 LYMAN CONWELL CHISM
 RICHARD LAWRENCE CONLIN
 KENNETH TANNER CRUM
 EDMUND CHARLES DAILY
 CHARLES NICHOLAS DEHART
 ANDREW SIMPSON DUFFLE
 EDWARD JOHN DUNPHY, with Honors
 PAUL WALKER DURBIN
 VERNON MILLER ECKERT
 WARD LEROY EDWARDS, with High Honors
 ROBERT JOHN EGGERT
 VINCENT HORTON ESRY
 RALPH GAYLORD FINNEY
 OWEN ARTHUR FORDHAM
 LOREN SCOTT FRASER
 MARTIN THEODORE GARBE
 GILBERT GASTON GIBSON
 WILBUR DAVID GOEKE
 STANLEY EUGENE HAGEN
 IVAN W. HIESER
 WIRT WYCLYFF HOLSINGER
 ROBERT EDWARD HOPKINS
 BERRYMAN RICHARDS HURT, with High Honors
 RAYMOND RALPH IRWIN
 ROBERT HARRY JENSEN
 GEORGE ALISON JOHNSON
 HOWARD VINCENT JOHNSON
 WILLIAM JAMES KEYES

ADEAL RAYMOND KIRKPATRICK
 KERMIT EARL KLINE
 CHARLES HARVEY KRUSA
 ROY MILLS LONDON
 JOHN SILAS MCCANNON
 ROYAL EUGENE MCCORMICK
 WILLIAM SAMUEL MCKOWN
 HARRY DONALD MCLAUGHLIN
 LAWRENCE FREDERICK MARRIOTT, with Honors
 JOHN WILBUR MATTHEWS, with Honors
 EUGENE JOSEPH MIES
 WALLACE PARRETT MILLS
 LESLIE RAY MITCHELL
 RALPH CLINTON MORGAN
 ELMER DEE NOREN
 EMMETT EZEKIEL ORMISTON, with High Honors
 ARTHUR LINDSEY OWEN, with Honors
 CHESTNER ROBERT PAINTER
 PERRY EUGENE PIPER
 ROBERT WILLIAM PORTEUS
 ROY VERNE RICHTER
 ERNEST WALBAUM RILEY
 JOHN ISAAC ROBISON
 JERRY EMIL ROUSE
 WILLIAM D. RUSK
 NOEL BENJAMIN SUMMERS
 WILBER HAROLD TAMMEUS
 RAY HOLT TEAL, with Honors
 JOHN LYLE TRISLER
 EMMETT JOHN WAGNER
 JAMES BARTON WALTON
 THOMAS ELLSWORTH WEBB
 GEORGE RAYMOND WERNER, with Honors
 HAROLD CLIFTON WOOD

In Floriculture

PARKER JOHN ERICKSON WALTER EDWIN WELLMAN
 ROBERT BURNS SIEGEL

In Home Economics

MILDRED EUGENE ANDERSON CHARLOTTE WATERS BEARD
 MARGUERITE WILMA BAKER HELEN LOIS BERGER

ROSALEE BERRY
 ANNA ELIZABETH BINES
 TRENNA MARGARET BURCHELL
 ESTELLE MARIE CHENSKY
 HESTER PLUMMER CLARK, with Honors
 MILDRED CHRISTINE CORNELIUS
 ALTA COTTINGHAM
 LILLIAN J. CUMMINGS
 CATHERINE ROSE DAVIS
 MELVA JO DAVIS
 SARA CATHERINE EASTMAN
 CAROLINE FARRAR
 MAUDE MATILDA HINE
 RUTH HELEN INGHAM
 RUTH ROBERTA JENKINS
 HELEN MARIE JERVIS
 HELEN CURTISS LINES

MARIAN FRANCES MATTHEWSON
 LOIS LOUESA MATTIX
 HESTER BEATRICE MEANS, with Honors
 CATHERINE GRACE MOORMAN, with
 High Honors
 DOROTHY PAULINE NELSON
 ELSIE GERALDINE NORTH
 MERRY KATHERINE NORTON
 EMMA LOU FINCHAM RADEMACHER
 LILLIAN LUCILLE RICHMOND
 RUTH ELIZABETH RIEGEL
 MAXINE ROBERTSON
 JOSEPHINE MARGARET RUTELONIS
 NAOMI BEATRICE SCRANTON
 KATHRYN IRMA WOLFE
 GRACE BERUTTI ZERBOLIO, with Honors
 LOIS HENRIETTA ZIMMERMAN

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

GEORGE ELIAS ABRAHAM
 LOIS JANE ADAMS
 DOROTHY ELIZABETH AHLERING
 JUANITA EDNA AHLF
 ELBERTA JULIA ALEXANDER
 ROSEMARY ALLEN
 HELEN ELVIRA ANDERSON
 V. BELLE APPLE
 MARY KATHLEEN ARNOLD
 JESSE WILLIAM ASH
 LEAH ALICE AUGUR
 ALFRED LOUIS BECKMAN
 CHARLES STEVEN BENNIS
 MARJORIE ELIZABETH BERRYMAN
 EVELYN EDNA BILLS
 CHARLOTTE JOAN BLAIR
 WILLIAM ALBERT BOERS
 MARY HELEN BOLEY
 JAMES CARROLL BOLTON
 IRENE VIRGINIA BROMLEY
 CATHERINE ELEANOR BROWN
 LEX J. BULLOCK
 JOSEPHINE LOUISE CATHCART
 ROBERT LOUIS CHAMPION
 JOHN DAVID CLANCY
 JOSEPHINE LEE CLAYTON
 JAMES BYRON CLELAND
 RUTH CECELIA COOLEY
 FOREST IVAN CRAVEN
 ANITA MARGARET CRITES
 FRANK HAROLD CROSBY
 ELIZABETH ALICE CURRY
 MAURICE E. DAHMUS
 DOROTHY DELL DALE
 MAX WILLIAM DAVID
 DAVID WILLIAM DAVIES
 GWENDOLYN COGGESHALL DAVIS

VELMA ALICE DENNY, with Honors in
 Latin, History, and Education
 FRED ANTIPAS EARLE, JR.
 DOROTHY MAE EHRENHART
 GRETTA LEE ELLIOTT
 ANNA OLENE ESFEVIK
 MARJORY LEE FANCHER
 FERNE MARIE FETTERS, with Honors in
 History and Education
 CONSTANCE HARRIET FILBEY, with
 Honors in Mathematics
 JOHN ABRAHAM FISCHER
 HELEN ARLENE FITZGERALD
 JOSEPHINE ALICE FLAGG
 JOHN HENRY FLEMING
 EMMA PAULINE FREED
 FRANK ENGELBERT FROSCHAUER
 ELIZABETH JANE GAA
 MARY ANNA BELLE GARVIN
 PHYLLIS IRENE GERRARD
 MARY AGNES GIBLIN
 LOIS MARIE GILBERT
 TOM MOFFET GILKERSON
 MARY LOUISE GLADDEN
 JUANITA GLASCOCK
 STANLEY GOSCINSKI, JR.
 FRANCES MARY GOURLEY
 ELBERT RUSSELL GRAGG
 MYRON DELBERT GREEN
 PAUL GREENMAN
 GWEN GRACE GRIFFIN
 MARCELLA ELIZABETH GROTE
 JULIA LEE GULLETT
 JOHN WINCHESTER GUNNELL, with
 High Honors in Speech
 ROY WILLIAM GUTTSCHOW
 MARJORIE EDITH HAAK

- SARAETTA HADAWAY
 LOUISE ANTOINETTE HANSEN
 IVAN HOWARD HARNEW
 CATHERINE EVELYN HARRELL
 DANIEL WILLIAM HARRIS
 CHARLOTTE ANITA HATCH, with
 Honors in Latin and Education
 ELEANOR MARY HEAD
 LOUISE HENRICI HEIDHUES
 HALLIE ELOISE HOEHNER, with Honors
 in Education
 WILLIAM ALBERT HOLMES
 IRMA CAROLYN HUBER
 TYRON EHRHART HUBER
 FLOYD HARRY HUGHES
 EVELYN VIRGINIA HURD
 MARY LOUISE HURSEY
 CHARLOTTE FAITH HURSH
 ALBERT FRED ISKE
 EDWIN JAHNS
 JOHN ROBERT JANOVIC
 HAROLD ADAMS JOHNSON
 HOWARD OSTAL JOHNSON
 FRED WILLIAM KASCH
 PHILLIP RUDOLPH KASIK, with Honors
 in Education
 RUTH KATZ
 THELMA ELAINE KELLY
 DOROTHY LOUISE KERR
 MARY CATHERINE KIRBY
 STEPHEN EARNEST KOELZ
 JOHN EDWARD KOESSLER
 ETHELYN DUNN KOHLSTEDT
 PAULINE ELIZABETH KOLB
 EDWARD MARTIN KORB
 RUSSELL JAMES KORTY
 WANDA FRANCES MARIE KOSINSKI
 ROSE CHERIE LANDFIELD
 MARJORIE ADELAIDE LANDSNESS
 ELEANOR RUTH LAPE
 PAUL WARREN LEGGE
 EMMA JANE LEIGH
 MARGARET JANE MCCASKILL
 DONALD McDONALD
 HELEN TAYLOR MCGILL
 ANNA KATHERINE MACGREGOR
 CATHARINE PEARL MCINTYRE
 MARGERY ELIZABETH MCKEE
 ALMA ANGELA MCLAUGHLIN, with
 High Honors in French and
 Honors in Education
 WILLIAM POWER MACLEAN
 STANLEY WRIGHT MCNEELY
 CHARLES DANIEL MACK, JR.
 VERNON HAROLD MACOMBER
 ELIZABETH ROSE MADDEN
 LEOTA MAE MANSBERGER
 SECONDINO PAUL MARCHELLO
 ROBERT MARTIN METZ
 MARGARET ANNE MIDDAGH
 HELEN ELIZABETH MILLER
 VERA MAE MILLER
 CULVER CARL MILLS
 PHYLLIS ENID MONK
 CHARLES DOUGLAS MONSSON
 ELIZABETH HARTLEY MOORE
 MARYAN MAUDE MOORE
 JEANNE MARIE MORELAND
 EVELYN JOSEPHINE MORTENSEN
 ELIZABETH MURDOCK
 IRMANELL MURDOCK
 HARRIET CATHERINE MURPHY
 MARJORIE ELIZABETH MYERS
 DOROTHY NEFF
 MARION RAE NELSON
 WILBUR ARTHUR NORTH
 ESTHER JANE NORTON
 JEANNETTE NORTON
 KATHERINE MARIE OEHM
 CHARLES OSCAR OLSON, JR.
 CLARA HILDEGARDE OLSON
 ORVILLE PORTER ORR
 HARRY MAURITZ PALMER
 PETER PANAGOS
 RUSSELL MICHAEL PERSHELL
 GLADYS LOUISE PIANO
 ELIZABETH CHAPLAIN PICKELS
 SARAH LORRAINE POORMAN
 ETHEL MARY POPPLE
 MARY ELIZABETH POST
 DOROTHEA POTTER
 GERALD HOMER POWELL
 EARL R. PRATHER
 MICHAEL ARCANGELO RAGO
 BLANCHE MARGARET RAMAN, with
 Honors in Mathematics
 MARY MARGARET RAMSEY
 FREDERICK DANIEL RANDALL
 FLORENCE MAE RECTOR
 ROGER EARL REEDER
 KATHERINE LUCILLE REINKE
 ELENORE MAXINE REYNOLDS
 MARION ALICE RIDGWAY
 ALVA WILLIAM RIPKA
 VERNON SAMUEL ROCKE
 MARY ADELA ROST
 ELIZABETH LUCILE ROWLAND
 HARRY DALE RYAN
 DOLORES CLAIRE SANDRY, with Honors
 in Education
 HATTIE SBAR
 VIOLA IRENNE SCALA
 CAROLINE AGNES SCHLAGENHAUF
 RAYMOND ALBERT SCHMIDT
 HAROLD ALVIN SCHOECK
 LOUISE W. SCHUBERT, with Honors in
 French
 ETHEL MARIE SCOTLAND
 AGNES LANCASTER SCOTT
 CONSTANCE ANNE SCULLY
 HELEN LOUISE SENER
 MERRET EVERET SETZEKORN
 LEO HEUSE SHIVELY
 RUBY MAUDE SIDWELL

WRIGHT ALEXANDER SIM
 PEARL BARNETT SISK
 JEAN ANN SMITH
 GLENNA ALICE SPENCER
 JOHN LUTHER STEARNS
 ROBERT ALBERT STINE
 FREDERICK OLEN SULLIVAN
 MARGARET CATHERYNE SUTHERLAND
 FRED LEWIS TEER
 MARGARET ELISABETH TELLEN
 DOLLY ATHENA TERZIS
 EMMA RUTH TUTHILL
 CHARLOTTE HOPE TUTTLE
 FRANCES THERESA UNGARETTI
 MARION VANSICKLE, with Honors in
 Education and French
 JOHN WEITSE VAN TUIN
 MADLYNFRED C. VINER
 MARTHA ELIZABETH VINJE

CAMILLE VRHEL
 DELOSS PAUL WAGNER
 GEORGE WILLIAM WAKEFIELD
 MARIE LOUISE WALLING
 BERNARD JOSEPH WARD
 LEWIS WASSERMAN
 GEORGE LEONARD WATERS
 MELVINA ELIZABETH WAY
 GENE DAVID WEISIGER
 CAROLINE ELIZABETH WELLES
 BERTHA VIVIAN WELLS
 VIDA MARIE WICKS
 ELMOR B. KATHERINE WIECHERT
 PAUL AAVON WILLETT
 EFFIEBELLE WOLLAND
 ROBERT CUSHMAN WYCKOFF
 LENA YAWITZ
 GEORGE ROWLAND ZARRETT
 LENA SARAH ZIMMERMAN

In Home Economics Education

BEULAH BELLE ALT
 VIOLET VIVIAN BLÖDAU
 ROSEMARY EMILY COX
 RUTH ALICE DAVIS
 MARY ELEANOR HOLME
 ELEANOR GRACE HOWE
 VIRGINIA LOCKE

ALICE LUCILLE MCINTIRE
 MARY ELIZABETH MATTIX
 JULIA LOYAL MOOR
 RUTH JONES MUELLER
 CHARLOTTE MURIEL SMITH
 ETHEL MAY THOMAS

In Industrial Education

JOHN WINFIELD DAVIS
 GEORGE HENRY STIFF

GUSTAVUS BERRY STUART
 FRED WILSON WELLER

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Science

In Architectural Engineering

FRANCIS MARTIN BARON, with High
 Honors
 WILLIAM THOMAS BLANN, with High
 Honors
 NORMAN COHN
 GEORGE FRANK FRITZINGER, with
 Honors
 DEAN FARRAR HILFINGER, with
 Honors
 DONALD THOMAS JORDAN
 HOWARD MASAYUKI KUBOTA
 GORDON JOSEPH LINDL

PAUL BERTHOLD MARXEN
 KENJI ONODERA
 LEON SELIGSON, with High Honors
 CHARLES EDWIN SMALL
 KENNETH ALAN SMITH
 NORMAN LOUIS STEPHENS
 JOHN FRANCIS SWEETNAM
 RICARDO TORRES
 JOHN SUTHERLAND WINBIGLER, with
 High Honors
 JOHN NICHOLAS ZIEGELE

In Architecture

WILLIAM J. BACHMAN
 CARL EDUARD BRETSCHER
 WILLIAM HADLEY BUCHHOLZ
 CARL ROBERT GAIRING
 STEVEN FRANK GLOWACKI
 WILLIAM BERNARD HASTERLIK
 ARTHUR BRANDT HENNING
 CHARLES FREDERICK JOST
 ALFRED THEODORE KUREK

ARNOLD SCHAFFNER
 CLAUDE LESLIE SENEFFELD
 SAVO MILAN STOSHITCH
 EUGENE FERDINAND STOYKE
 ROBERT WILLIAM SURPLICE
 FRED VINCENT TRAYNOR
 CLARENCE WAPNER
 JOHN M. WARE
 LEONARD WAYMAN

In Public School Music

MARGARET EDWINA BATES
 AUDREY CLAIRE BENTON
 ELIZABETH ANNE BILSBORROW
 MILBURN ERNEST CAREY
 JOHN MICHAEL DAVIES, JR.
 HAROLD WILLIAM DODD
 FRED JOHN HUBER
 FRANKLIN MAXWELL JUVINALL

HESTER ELIZABETH MCMILLEN
 MARY JOSEPHINE MAGUIRE, with
 Honors
 WALTER ERNEST PURDY
 BOHUMIL FRANK SCHUBERT
 FERN MAXINE SECORD
 EVALYN NADINE WACHOB

Degree of Bachelor of Fine Arts*In Landscape Architecture*

ANNE ASH
 ROBERT MOWER BLACK
 ARTHUR FRANK CHRISTMAN
 WILLIAM ALFRED DEAN, with Honors
 RICHARD DUNBAR FERRIS
 DONALD SELLAR FOREMAN
 RALPH N. JOHNSON
 WALLACE ALFRED JOHNSON
 JAMES FRANCIS KENNEDY

ELDRIDGE H. LOVELACE, with High
 Honors
 JAMES EDSON LOWRY
 MILTON JOSEPH ORCUTT
 FREDERICK BARNES STRESAU
 LAYTON KENT WASHBURN
 NORMAN ARTHUR WILSON
 STANLEY HUBERT YOUNG

In Landscape Architecture, City Planning Option

EDWARD WALKER PROCTOR

In Painting

DOROTHY WILDENRATH HAWLEY
 GORDON MALCOLM HOWATT
 LORRAINE RUTH MARSHALL
 FLORENTIA ELIZABETH METZGER
 THEODORE DAVIS PARMELEE, with
 Honors
 DOROTHY MAE REICHARDT
 ANSEL WILLIS RUMBLE, with High
 Honors

GENEVIEVE MARIE SHEPANAK
 MARIAN JEANETTE SNYDER
 RUSSELL ELWOOD SPARKS
 BARBARA RUTH STRAUCH
 MARY MARGARET SUMMERS
 FRANCES MERCEDES THOMPSON

Degree of Bachelor of Music

MILBURN ERNEST CAREY
 LAVON COOLMAN, with Honors
 DEWEY MITCHELL DAWSON
 JEWEL REED DAWSON
 VIRGINIA MARY SAVAGE, with High
 Honors

EDITH LAUREL SPENCER, with Honors
 NELLIE MARIE STUART, with High
 Honors
 ALICE TROUTT, with High Honors
 CARL ROBERT WOOD

COLLEGE OF LAW**Degree of Bachelor of Laws**

FLOYD ROY ABERNATHY, B.S., 1933
 JOHN TREVETT ALLEN, A.B., 1934
 WARREN HENRY BADGER, A.B., 1933
 HAROLD WESLEY BANCROFT, B.S., 1932
 MARK CARROLL BAYMILLER, A.B.,
 Bradley Polytechnic Institute, 1932
 VICTOR HARRIS BELSHAW, A.B., 1933
 HAROLD WILLIAM BORSCH, A.B., 1933
 JOHN JAMES BRESEE, B.S., 1922
 ALBERT BROWN, A.B., 1933

FRANK WINFIELD BYRNS, A.B., 1933
 MARTIN CABLK, A.B., 1933
 MARTIN LEROY CASSELL, JR., A.B., 1933
 GEORGE THOMAS CHRISTIE, B.S., 1933
 HERBERT COHEN
 MORRIS DANIEL COPPERSMITH, B.S.,
 1933
 MAHLON LACHLAN CRISSEY, A.B.,
 University of Wisconsin, 1933

DANIEL HOLLAND DAILEY, JR., A.B., 1933
 ROBERT VANCE FARAGHER, A.B., 1933,
 with High Honors
 HERBERT LEHMAN GARRISON, A.B., 1932
 NORBERT CAMPBELL GARRISON, A.B., 1933
 CHARLOTTE EDWINA GAUER, B.S., 1932
 HARRY HERNDON GIBSON, A.B., 1933
 GEORGE N. GILKERSON, B.S., 1933
 ELI ALBERT GOLAN
 GEORGE LINDEN HAGGARD, A.B., 1933
 HAROLD WINFORD HANNAH, B.S., 1930
 WILLIAM JACOBS, B.S., 1933
 ROGERS DRAPER JONES, A.B., 1932
 JOHN AUBREY KIRK, B.S., 1933
 LILLIAN KATHERINE KUBICEK, A.B., 1933
 JOE PAISLEY LONGWELL, A.B., 1932
 MARTIN MARION LOVE, A.B., 1932
 LAWRENCE BURT McMUNN, A.B., Northwestern University, 1932

WILLIAM CHARLES MARTIN, A.B., 1933
 BONITA CLARA MATTHEWS, A.B., 1933,
 with High Honors
 ISADORE JAY MNOOKIN, B.S., 1934
 JOSEPH HENRY MUELLER, A.B., 1933,
 with Honors
 GEORGE BELVEY NESBITT, A.B., 1933
 MARVIN MAXWELL NOVICK, A.B., 1933
 JOSEPH ROBERT ROSBOROUGH, B.S., 1933
 WILLIS PIERCE RYAN, A.B., 1932
 KEITH FOSTER SCOTT, A.B., 1933
 ROBERT JAMES SEARS, B.S. 1933
 LEON PHILLIP STAR, A.B., 1933
 CLAUDIA ELLEN STONE, A.B., Smith
 College, 1929, with Honors
 LEONARD WILLIAM TELLEEN, A.B., 1933
 ROBERT NELSON WALLACE, B.S., 1934
 SILAS WALLK, A.B., 1932
 DAVID A. WINTERS WASSERMAN, A.B., 1933

SCHOOL OF JOURNALISM

Degree of Bachelor of Science

In Journalism

EMMA AUER
 W. RAYMOND BATES, with Honors
 ALBERT JOSEPH BERTINE
 RAYMOND FRANCIS BURKE
 JOSEPH ZACHARY BURSON
 ROGER MILTON CASE
 MARVIN SENN COHN
 BARTON ARTHUR CUMMINGS
 ELMA CATHERINE DABLER
 JEAN ELIZABETH DRAGOO
 MARJORIE LOIS EADS
 MARGARET RUTH EBERT
 HENRY EGOLF
 WILLIAM JOHN ENNIS
 KATHERINE UDALL FILSON
 JEAN LOUISE FITZGERALD
 ANNETTE LEONE FLEISCHBEIN
 PHYLLIS KEREL FOLK
 CRESTON JOHN FOSTER
 HARRY LEONARD FREDERICK, with High
 Honors
 MAX WILLIAM GOODMAN
 PHYLLIS ELAINE GRAY, with Honors
 MAYER LEON HAAS
 FRANK GLEISER HETISHEE
 VIRGINIA M. L. HILL
 EMIL ROBERT HOWALD
 MILDRED JOSEPHINE JARED
 MARIE FRANCES JOHNSON

WILLIAM HARVEY JUDY, with High
 Honors
 ALBERT ALLAN KAZUNAS
 ELIZABETH KOLLER
 LOUIS BERNARD KUHN
 ELOISE ELIZABETH LOGAN
 RUTH GILBERT MCCLAIN, with Honors
 MAXINE McVAUGH
 MARY ELIZABETH MATHIAS
 CLARE ADEL MENTZ
 THELMA FERNE MOUNCE
 LOWELL ALBERT NYE
 JUNE ELIZABETH PARSONS, with
 Honors
 DOROTHY LINDSAY POOR
 HAROLD G. ROETTGER, with Honors
 MARY ELEANOR ST. GERMAIN
 FRANCES LOUISE SPEAR
 HELEN STANTON
 ARTHUR JOSEPH STRAUSS
 JOHN LOUIS STROHM, with Honors
 JOSEPH HIGGS SUMMERS, with Honors
 LA VONNE EILEEN TAYLOR
 JAMES THOMSON
 JAMES ZEFRIN ULRICH, JR.
 ELIZABETH FRANCES WILLIAMS
 LESTER RICHARD WROBLE
 MELVILLE ANDREW YOHILL
 GEORGE CHARLES ZELLER

SCHOOL OF PHYSICAL EDUCATION

Degree of Bachelor of Science

In Physical Education

EVELYN MILDRED BAKKE	MARJORIE IRENE LEMPKE
JULIA ELLEN BARNETT	NAOMI LAURA LEYHE
DAVID GRAGG BUSEY	DOROTHY EVELYN MOHN, with Honors
CLARENCE CLIFFORD DALTON	DOROTHY JUNE PLUNKETT
ESTHER DAVEY	ELIZABETH MEDORA SANDERSON
DORATHEA W. FRIEDRICH	FRANCES MAY SCOTT
MARY ANN HEWITT	GRACE MARGARET SCOTT
ALICE CAROLYN JENKINS	MARY RANDA STRAND
ALPHA M. JENNINGS	ORVAL GEORGE STRODE
LUCILLE ESTHER JOST	FAYETTA ESTHER TOBIAS
DOROTHY HELEN LAWRENCE	FLORETTE MURIEL WEISS

LIBRARY SCHOOL

Degree of Bachelor of Science

In Library Science

ROBERT SMYTH ALVAREZ, A.B., University of Chicago, 1934
 ELMA PEACH ANDERSON, A.B., University of Missouri, 1931
 BERNETTA ARNDT, A.B., Illinois College, 1933
 GRACE MARGUERITE ARTHUR, A.B., Ball State Teachers College, 1932, with Honors
 MYRLE AVERY, A.B., Michigan State Normal College, 1929
 HELEN BECKWITH, A.B., Northwestern University, 1921, with Honors
 RAYMOND DIERKSMEIER BEHRENS, A.B., Lake Forest College, 1933
 VIRGINIA HELEN BODEN, A.B., University of California at Los Angeles, 1934
 LOTTIE MINNIE BRASHEARS, B.S., North Texas State Teachers College, 1927
 CLAIRE LUCILLE BURNS, A.B., Northwestern University, 1924
 MARY ELIZABETH CAMMACK, A.B., Mississippi State College for Women, 1924
 PEARL JOHNSON CLEMENT, A.B., Louisville Municipal College for Negroes, 1933
 NINA MARIE COOPER, A.B., University of Arkansas, 1931, with Honors
 MARY CRUMRINE, A.B., B.Mus., Otterbein College, 1907, 1910
 ELVA CURTIS, A.B., University of Oklahoma, 1926, with High Honors
 RUBY ELAINE DARE, A.B., Taylor University, 1926; A.M., University of Michigan, 1929, with High Honors
 FRANCES ERNESTINE DEWELL, A.B., Drake University, 1934
 PAUL SHANER DUNKIN, A.B., DePauw University, 1929; A.M., 1931, with Honors
 NUMIA LEE FOUTS, A.B., University of Kentucky, 1931
 EMILY OWEN GARNETT, A.B., Texas Christian University, 1931, with High Honors
 HELEN GRAY, A.B., 1932
 EDNA KATHERINE HARLAN, A.B., Colorado College, 1934
 LOUISE FRANCES HAWORTH, A.B., Butler University, 1933
 GILBERTA MAY HEID, A.B., Butler University, 1932
 ESTHER VIVIAN HILL, A.B., Milton College, 1925; A.B., A.M., 1934
 IREL HALL HODGES, A.B., University of Kentucky, 1931; A.M., Vanderbilt University, 1932
 MARION JOSEPHINE KANAK, A.B., State University of Iowa, 1931
 ELIZABETH RAE KENDALL, A.B., A.M., Northwestern University, 1928, 1934
 FLORENCE MILDRED KERR, A.B., Baker University, 1922; A.M., University of Chicago, 1927, with Honors
 DOROTHY ELIZABETH LEIB, A.B., University of Kansas, 1934

CAROL CONKLIN LIND, A.B., Wheaton College, 1927, with Honors
 IDA FANNYE MACKEY, A.A., Cumberland College, 1927; A.B., University of Kentucky, 1930
 RUTH HARPOLE MUELLER, A.B., Indiana University, 1934
 HELEN MYRTLE MURRELL, A.B., University of Arkansas, 1931, with Honors
 FLORENCE LOIS OTT, A.B., Northwestern University, 1934, with Honors
 ELINOR PARSONS, A.B., Wellesley College, 1931
 ISABELLE DRAKE PRUGH, A.B., Missouri Wesleyan College, 1925; B.S., Northwest Missouri State Teachers College, 1928
 JOHN CARL SETTELMAYER, A.B., University of Cincinnati, 1935
 MARGARET JEAN SIM, A.B., Whitman College, 1926, with Honors
 SISTER MARY AUREA HAUSMANN, A.B., DePaul University, 1931
 SISTER MARY NORITA GLEESON, Ph.B., Saint Xavier College, 1934
 PEARL JEAN SNEED, A.B., University of Mississippi, 1931
 HARRIS DEAN STALLINGS, A.B., Stanford University, 1933
 PHILIP JOHNSON STONE, A.B., Cornell University, 1929, with High Honors
 WILHELMINA TURNER, Ph.B., University of Chicago, 1929, with Honors
 MARIAN LUCILLE WABY, A.B., University of California at Los Angeles, 1934, with Honors
 HENRY JOHN WALTEMADE, A.B., Nebraska State Teachers College (Kearney), 1933, with Honors
 CARL ERNEST WELCHNER, A.B., University of Nebraska, 1934
 ETTA MARIE WESTENHOUSE, A.B., Willamette University, 1932, with High Honors
 ANNA RUTH WHITMORE, B.S., State Teachers College (Millersville, Pennsylvania), 1933
 CATHERINE MARIE WICK, A.B., A.M., 1929, 1931, with Honors
 FERN ELOIS WILSON, A.B., Bethany College, 1934
 NAOMI PEARL WOODFORD, A.B., Morningside College, 1934

Degrees Conferred June 7, 1935, in Chicago

COLLEGE OF MEDICINE

Degree of Bachelor of Science

In Medicine

BEN A. APPEL	HOWARD E. HEYER, with Honors
ARTHUR BARBAKOFF	JAMES LEOPOLD HORA
HAROLD JOSEPH BARYS	HAROLD DALE HUFF
LEO JEROME BROWN, B.Ed.	ISADORE ISOVITZ
LEONARD S. BUCK	ABRAHAM IZZAK JACKMAN
ROBERT DEFORREST BURLEY	HENRY JOSEPH JACOBS
GEORGE BUSH	HILARD WESTLEY JENKINS
BERNARD MANUEL CHAPMAN	HARRY JOSEPHSON
MEYER BARNEY COHEN	LEONARD A. KAGEN
THEODORE M. COHEN	ISADORE A. KAPLAN, with Honors
CLARENCE COHRS	JOSEPH H. KAPLAN
SOL PAUL DITKOWSKY	MARTIN J. KLAPMAN
MAURICE DUNN, with Honors	LEONARD HYMAN KOLB
JOSEPH FAINGOLD, Ph.C.	MEYER KUSHNER
PHILIP FALK, with Honors	MEYER KUZNITSKY
ABRAHAM WILLIAM FELDMAN	GEORGE J. KVIDERA
BOURKE FIRFER	HERBERT LACK, with Honors
MITCHELL L. FRANK	HENRY PETER LATTUADA
GEORGE JOSEPH DAVID GERTZ	MYRON JAME LEVIN
MAX M. GLASSMAN	EDWARD LEVINE
HAROLD WAYNE HAMMATT	EDWARD ALBERT LUKE
IRVING HASSEN	ABRAHAM MELAMED
JEROME FREDERICK HEINRICH	M. LUTHER MOSHER
EDMUND R. HESS	DOROTHY KATHRYN O'CONNOR, A.B.

LOUIS OLSMAN
 HYMAN PECK, Ph.C.
 WAYNE REESER
 REUBEN M. REIFLER, Ph.G.
 MILTON ROBIN
 WILLIAM ROSENBERG
 ALBERT HESSEL ROSENBLATT
 ROBERT R. ROTHSCHILD
 HARRY OSBOURNE RYAN, Jr.
 ZAL SANDERS
 FRANCIS EUGENE SAUER
 WALTER WILLIAM SCHWARTZ
 WALTER SHRINER
 WAYNE PULLEY SIRLES
 CARL SOLANDER
 EDWARD SOSSON, with Honors

ROBERT ANDREW SPENCER
 ISADORE SPINKA, with Honors
 SAMUEL SPIRA
 WILLIAM EDWARD STEINER
 ROBERT HEALY STEVENS
 GRANT SUTTIE
 ROY FRANK TEBOREK
 WILLIAM STANLEY WALSH
 DAVID WASSERMAN
 REUBEN ROBERT WASSERMAN
 PAUL K. WEICHELBAUM
 HARRY I. WEINER
 ALLEN E. WINER
 WILLIAM H. WRIGHT
 DILLMAN FORBES ZIEGLER
 JOSEPH JOHN ZUSKA, with Honors

Certificate in Medicine

SAMUEL ALFRED ADLAND, B.S.
 BEN A. APPEL
 ALFRED STONE ASH
 EMILY BAER, B.S.
 HAROLD JOSEPH BARYS
 OSCAR JACOB BECKER
 MERRILL CHARLES BEECHER
 ROBERT DAVID BERKE
 ARMIN LOUIS BLAUFUSS, Ph.C.
 DANIEL EDWARD BOWERS
 ROBERT VERNON CARTER
 LOUIS CHABNER
 ISADORE HYMEN COHN, B.S.
 CLEMENT CLARK COLEMAN, B.S.
 GEORGE EDWARD COLYER, A.B., B.S.,
 with Honors
 NATHAN SOLOMON DEUTSCH, B.S.
 NORMAN DOBIN, B.S.
 SIDNEY HARVEY DUBOFSKY
 FRANK WAYNE EDEL, A.B.
 THOMAS J. FITZPATRICK
 LAWRENCE EDWARD FOULKE, B.S.
 ROBERT FRIEDENBERG, A.B.
 CYRIL MELCHOIR GALLATI
 HARVEY ENOCH GAYNES, B.S.
 ERVING FRANCIS GEEVER, B.S.
 GEORGE EVERETT GILMAN, A.B., B.S.
 JACOB A. GLASSMAN, B.S.
 IRWIN GLOBERSON
 AARON LOUIS GOLDBERG
 MANUEL GOLDFINE, B.S.
 MARION LEE GORDON
 ABRAHAM GORDAY, B.S.
 VINCENT JAMES GRECO
 MAURICE O. GROSSMAN, A.B., B.S.
 AARON GUNTHER, B.S.
 RUDOLF WILLIAM HACK, A.B., B.S.
 ZIGMORE HARRIS, B.S.
 IRVING HASSEN
 RICHARD TEAL HAVERSTOCK, B.S.
 JAMES HENRY HAWKES
 PAUL E. HEPNER, B.S.

GEORGE RAY HILL
 H. SARGENT HOWARD, B.S.
 VICTOR H. HUNKEL, Ph.B.
 CARL IRENEUS, Jr., B.S.
 JOHN HICK JOHNSTONE, B.S.
 JOSEPH T. KAMINSKAS
 JACK KAREL, B.S.
 CHARLES KATZ, B.S.
 ROBERT STEPHEN KELLER
 GEORGE KIEVE KEPPELMAN, B.S.
 ADELBERT HERMAN KLEIN, B.S.
 WILLIAM NELK KNUDSEN, A.B.
 HAROLD JAY KOCH, B.S.
 GEORGE LEWIS KRAVTSOW, B.S.
 SHERBURNE KRIEGER, B.S.
 EMERSON C. KUNDE, A.B., B.S.
 MILTON ELMER KURTH, B.S.
 ALBERT THOMAS KWEDAR, B.S.
 HERBERT LANG, B.S.
 HARRY LAZAR, B.S.
 LOUIS SAMUEL LERNER, B.S.
 SYDNEY S. LEVINE, B.S.
 WILLIAM WAYNE LOCKWOOD, B.S.
 KATHERINE HYPATIA MACEachern,
 B.S.
 IRWIN HARRY MAKOVSKY, B.S.
 HAROLD MARKS, A.B., B.S.
 AARON SHIYA MASON, B.S.
 LORRELL EDWARD MESSMAN, B.S.
 IRA ROBERT MORRISON, A.B., B.S.
 JAMES JOSEPH MURPHY, B.S.
 CHARLES ARTHUR NELSON
 SAMUEL NIEDER, B.S.
 WINSTON K. NIX
 FRANKLIN ARNOLD OLSON, B.S.
 JOHN PARKE, B.S.
 MATTHEW PLATT
 OSCAR MANDEL PLOTKIN, B.S.
 HAROLD PRICE, Ph.G.
 LEONARD PRICE, B.S.
 JOSEPH RAIDER
 JAMES STEDMAN REYNOLDS, B.S.

KEITH RHEA, B.S.
 FREDERICK JASPER RICKETTS, B.S.
 SIDNEY SIGMUND ROTH, B.S.
 IRVING ISADORE ROSEN, B.S.
 JACK ROSENBERG
 SAMUEL WILLIAM ROSENBERG
 IRVING HYMAN ROSENTHAL, B.S.
 MANDEL SACHS
 SEYMOUR SALBERG, B.S.
 ROBERT EDWARD SCHEITLER, B.S.
 HERBERT A. SCHILLER, Ph.C., B.S.
 JOHN LAVINE SCHILSKY, B.S.
 KENNETH FOSNES SCHNEIDER, B.S.
 LEONARD JEROME SCHWADE
 WILLIAM FREDERICK SEIFERT
 ALEXANDER JOSEPH SHIMKUS, B.S.
 HARRY I. SHULRUFF, B.S., with Honors
 JOSEPH HOWARD SIEGFRIED
 JEROME JOEL SIEVERS, Ph.G.
 ROBERT JAMES SIGLER, B.S.
 DAVID SILBERT
 PASCHE SILVERT

DANEY PHILIP SLAUGHTER, B.S.
 MANUEL SLAVIN, A.B.
 CLARENCE WILLIAM SMITH, Ph.C., Ph.G.
 ROGER FRANCIS SONDAG, B.S.
 RAYMOND ELMER SORESENSEN, B.S.
 ADELBERT L. SPILLER, B.S.
 BERTRAM SPIRA, B.S.
 ALBERT ELON STEER, B.S.
 ALBERT FRANK STEIN, B.S.
 RICHARD VAWTER STEVENSON, B.S.
 SAMUEL LLOYD STOUT, Ph.C.
 EDWARD A. TAPPAN, B.S.
 ALOYSIOUS FELIX TASCH, B.S.
 RUSSELL KENNETH TAUBERT
 FRANK JOSEPH TESAR, B.S.
 MILTON TINSLEY, B.S., with Honors
 JACK WAGNER
 MORRIS WAISMAN, B.S., with High Honors
 LEONARD WEISSMAN, B.S.
 RAYMOND BENEDICT WHITE, A.B., B.S.
 CHARLES LEROY WUNSCH

Degree of Bachelor of Medicine

DAVID MARVIN BROTMAN

FRANK C. SEDLAK

COLLEGE OF DENTISTRY

Degree of Bachelor of Science

In Dentistry

ROBERT ROWLEY BOWMAN
 HENRY FOX
 EDWARD JOHN GOGGIN
 ROBERT ARTHUR GREENBERG
 CURT JOSEPH GRONNER
 MURRAY MITCHELL HOFFMAN
 JOHN JAMES LITTIG

JAMES NORMAN LYNCH
 ERWIN ROBERT MELCHER
 MAX MOTEW
 GEORGE ARTHUR NEMECSEK
 DONALD FRANK NIX
 ISADORE SAPOSNIK

Degree of Doctor of Dental Surgery

THEODOR BAUM
 DAVID BERMAN, B.S.
 PAUL OSCAR BOYLE, B.S.
 JOSHUA BRINKER
 GORDON GERARD CHINNOCK
 PAULA EISEMANN
 JAMES MALCOLM ELSON
 LEONARD GELFAND, B.S.
 DONALD WILLIAM GROVE
 MARSHALL FREDERICK GRUNWALD, B.S.
 MILO BERNHARDT HATTENHAUER

ROBERT ARTHUR HOEHN, B.S.
 HOMER WILLIAM HOPKINS
 GEORGE ARTHUR NEMECSEK
 JACOB LEO RACHLIN, B.S.
 JOE GRAHAM RONALDS, B.S.
 MAURICE BARNEY SCHWARTZ
 LAWRENCE HEASLEY SHANER, B.S.
 JOHN MONROE SPENCE, B.S., with Honors
 FAITH FOSTER STEPHAN, B.S.
 ARTHUR DAVID TESSLER

COLLEGE OF PHARMACY

Degree of Pharmaceutical Chemist

HARRY WILLIAM ADAMS (Class of 1934)
 FRANCES LILLIAN BAKER

BERNARD B. BERMAN
 ESTHER BERMAN

CHARLES HENRIE BILLUPS
 THEODORE HYMAN BLONDER
 MILTON SEYMOUR BOWER
 HERBERT BERNARD BRAVERMAN
 MAXWELL BROSKUF
 GEORGE E. BRUHA (Class of 1934)
 DAVID THIEL BURGER
 ANTHONY CHARLES CHIARAMONTE
 JERRY CHUMAN
 MINNIE COHEN
 REECE CARLYLE COVALT
 PEERY AUGUST DUDERSTADT
 GERALD GAIL EDWARDS
 LEONARD HAROLD FEINBERG
 ANN SOPHIA GIACINTI
 EDWARD JOSEPH GLASER
 ARTHUR IRA GOODMAN
 WILLARD GREEN
 KENNETH HERBERT HARRIS
 FELIX HERBSTMAN
 SISTER MARY GETULIA HONOROWSKI
 JAROSLAV J. HORACEK
 ANTHONY ANDREW INDOVINA
 ANTHONY JACOB
 EDWARD CHARLES JANKAUSKAS
 LILLIAN ELLA JANOSIK
 ROLAND FRANK KOEPKE
 HENRY CHARLES KOT
 JOHN F. LACEY
 SOL LAPOFSKI
 JOSEPH LOUIS LATELLE
 VICTOR EMANUEL LAWRENCE
 FRANK LEE
 JOSEPH ANTHONY LENTINO
 LENA ARMIDA LEONARD
 WALTER ANTHONY MOLAS
 HALGER CARL NASLUND
 LOUIS PERTZOVSKY

HARRY JOHN PHELAN
 HARRY GEORGE PULIK
 WILLIAM DELOS RACHIELLES
 NATHAN RAPP
 GUST LAWRENCE REINHOLD
 STEWART JOHN ROLLINSON
 DAVID EDMUND ROSENBLATT
 MALVERN MACK ROTH
 NICHOLAS S. SALAMIE
 GEORGE LEON SCHLAN
 MEYER SCHOLNICK (Class of 1934)
 HARRY SELWITZ
 HARRY SEVELOW
 HAROLD GEORGE SEYFFERT
 DUANE C. SHROUT
 HARRY CALVIN SINGER
 ROBERT HARRY SOMMER
 SAM STEINBERG
 VIVIAN LEONA STEPEK
 JASON JAY SWEET
 DILLON W. SWINGLE, JR.
 CLARENCE THOMPSON
 JOE PETER TINAGLIA
 GRACE ELLEN TOPF
 HOLLIS JOHN TOYNTON
 DANIEL A. TRAFICANTE
 AMIDEO R. TRISCINZZI
 JOSEPH WARZECHA
 MEYER WEINSTEIN
 LEON MARSHALL WHITELOCK
 RAYMOND JOHN WILTGEN
 SISTER MARY LEONICA WIRKUS
 BEATRICE A. ZEMAN
 ROBERT IRVIN ZEMAN
 THEODORE CLARENCE ZEMAN (Class of 1934)
 FLOYD STANTON ZUCK
 ANTHONY FRANCIS ZYCHOWICZ

Degree of Bachelor of Science

In Pharmacy

SAM ROY ANDROFSKY
 SAM CHADNOWSKY
 ABE ALBERT DANISH
 HAROLD FINKELSTEIN, with Honors
 MANDEL MAX JACOBSON
 HARRY KARL KUERT
 WALTER ANDREW MADEJ

ANNE FRANCES PUTYRA
 HARRY MAX RAYMAN
 ABE MOE ROSEN
 ROY KENNETH SNYDER, B.S., M.S.
 EDWARD ERNEST VICHER, with Honors
 FERDINAND BENJAMIN ZIENTY, with High Honors

GRADUATE SCHOOL

Degree of Doctor of Philosophy

In Physiology

DAVID WILMARTH NORTHUP, A.B., Reed College, 1930; A.M., University of Oregon, 1932. The secretory metabolism of the salivary glands.

Degree of Master of Arts

In Psychology

MAURICE LICHTENSTEIN, A.B., 1932

Degree of Master of Science*In Bacteriology*

JOHN ANTHONY VAICHULIS, B.S., University of Notre Dame, 1929

In Obstetrics and Gynecology

D. EVELYN MILLER, A.B., Central Wesleyan College, 1921; B.S., M.D., University of Nebraska, 1926, 1928

In Pathology

HOWARD ZEITLIN, B.S., M.D., 1929, 1932

In Pharmacology

PAUL DAVID CARPENTER, Ph.G., 1925; B.S., University of Michigan, 1930

In Physiological Chemistry

GEORGE EVERETT GILMAN, A.B., B.S., 1931, 1933

In Surgery

CARLO SALVADORE SCUDERI, B.S., M.D., 1926, 1929

GRADUATE SCHOLARSHIPS

The Secretary presented also for record the following list of graduate scholars appointed by the President of the University.

Geology	Wallace W. Hagan	Scholarship	\$300
Physics	Scott Anderson	Scholarship	300
Romance Languages	Revarose A. Wallins	Scholarship	300

APPOINTMENTS MADE BY THE PRESIDENT

The Secretary presented also for record a list of appointments made by the President of the University.

Alsterlund, John F., Special Research Assistant in the Agricultural Experiment Station, in cooperation with the State Natural History Survey Division, beginning June 1, 1935, and continuing until further notice, at a cash compensation at the rate of seventy-five dollars (\$75) a month. (June 4, 1935)¹

Bailey, H. W., to give instruction in Mathematics, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, involving additional service not contemplated in his appointment to teach during the two semesters of the regular academic year, at an additional compensation of five hundred twenty-five dollars (\$525) for the session. (June 5, 1935)

Brown, William Howard, Special Research Assistant in Dairy Husbandry, in the Agricultural Experiment Station, for one year beginning September 1, 1935, at a cash compensation of six hundred dollars (\$600), and with exemption from tuition, incidental, and laboratory fees in the Graduate School, except matriculation or graduation fees. (June 4, 1935)

Burns, R. O., to give instruction in Physics, on one-half time, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of one hundred twenty-five dollars (\$125) for the session. (May 9, 1935)

Christ, Robert Edward, Special Research Assistant in Chemistry, for one year beginning July 1, 1935, at a cash compensation of two thousand dollars (\$2000). (May 20, 1935)

Glasser, Julian, to give instruction in Physical Chemistry, on one-fourth time, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of sixty-two dollars fifty cents (\$62.50) for the session. (June 10, 1935)

¹The date in parenthesis is the date on which the appointment was made by the President of the University.

Howell, Henrietta, to give instruction in Library Science, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of two hundred fifty dollars (\$250) for the session. (June 10, 1935)

Kies, J. A., to give instruction in Physics, on one-half time, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of one hundred twenty-five dollars (\$125) for the session. (May 9, 1935)

Kusch, P., to give instruction in Physics, on one-half time, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of one hundred twenty-five dollars (\$125) for the session. (May 9, 1935)

Lawson, Mary Florence, to give instruction in Physical Education for Women, on one-fourth time, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, involving additional service not contemplated in her appointment to teach during the two semesters of the regular academic year, at an additional compensation of one hundred fourteen dollars thirty-three cents (\$114.33) for the session. (June 5, 1935)

Long, L. J., to give instruction in Economics in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of two hundred fifty dollars (\$250) for the session. (May 9, 1935)

Ostema, Eva, University Junior Stenographer in the Department of Horticulture, in the College of Agriculture, beginning May 20, 1935, and continuing until September 1, 1935, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of seventy-five dollars (\$75) a month (this supersedes her previous appointment). (June 4, 1935)

Rawlings, Mrs. Dorothy Stahmer, to give instruction in Physical Education for Women, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of three hundred dollars (\$300) for the session (this supersedes her previous appointment). (June 5, 1935)

Schultz, H. A., to give instruction in Physics, on one-half time, in the Summer Session of 1935, beginning June 17, 1935, and ending August 10, 1935, at a cash compensation of one hundred twenty-five dollars (\$125) for the session. (May 9, 1935)

Settelmayer, John Carl, Student Assistant in the Loan Department of the Library, on one-half time, beginning June 16, 1935, and continuing until August 31, 1935, at a cash compensation at the rate of fifty-five dollars forty-one cents (\$55.41) a month. (June 4, 1935)

Stallings, H. Dean, Student Assistant in the Loan Department of the Library, on one-half time, beginning June 1, 1935, and continuing until August 31, 1935, at a cash compensation at the rate of fifty-five dollars forty-one cents (\$55.41) a month. (June 4, 1935)

Yenawine, Wayne S., Assistant in the Loan Department of the Library, on three-fourths time, for three months beginning June 1, 1935, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of eighty-three dollars (\$83) a month (this supersedes his previous appointment). (June 4, 1935)

RESIGNATIONS

The Secretary presented also for record the following list of resignations.

Brown, Russell S., University Service Scholar in Economics—resignation effective September 1, 1935.

Eck, J. C., Special Research Assistant in Chemistry—resignation effective June 1, 1935.

Fitz-Gerald, Linda, Stenographer in the Department of Romance Languages—resignation effective June 16, 1935.

Fitzgerald, L. E., to give instruction in Economics in the Summer Session of 1935—resignation effective June 17, 1935.

Forker, Mrs. Iva B., Stenographer in Home Economics, in the Agricultural Extension Service—resignation effective May 27, 1935.

Freer, Louise, to give instruction in Physical Education for Women—resignation effective June 17, 1935.

Goodman, Catherine E., Clerk in the Department of Agricultural Economics, in the College of Agriculture—resignation effective June 1, 1935.

Lytle, E. B., to give instruction in Mathematics in the Summer Session of 1935—resignation effective June 17, 1935.

Nielsen, Shirley Elizabeth, Assistant in Botany—resignation effective June 1, 1935.

Wucher, Virginia, Research Assistant in the Bureau of Institutional Research—resignation effective June 9, 1935.

The Board adjourned.

H. E. CUNNINGHAM

Secretary

WALTER W. WILLIAMS

President