

MEETING OF THE BOARD OF TRUSTEES

OF THE

UNIVERSITY OF ILLINOIS

March 9, 1937



The annual meeting of the Board of Trustees of the University of Illinois was held at the Blackstone Hotel, in Chicago, at 9:30 a.m. on Tuesday, March 9, 1937.

When the Board convened, the following members were present: President Karraker, Mr. Adams, Mr. Cleary, Mr. Moschel, Dr. Meyer, Mrs. Plumb, Mr. Pogue; also Mr. George A. Barr, retiring member.

President Willard was present; also Mr. A. J. Janata, Assistant to the President.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of January 29, 1937.

On motion of Mrs. Plumb, the minutes were approved as printed on pages 145 to 168 above.

CELEBRATION OF SEVENTY-FIFTH ANNIVERSARY

Mr. Barr, for the Committee on General Policy, reported progress on the consideration of the celebration of the seventy-fifth anniversary of the University, and asked for more time for the Committee.

This report was received for record.

TAFT COLLECTION OF CASTS

Mr. Barr presented also for the Committee on General Policy a recommendation that the Taft collection of casts be purchased by the University, if the opinion of an outside expert confirms the valuation of this collection as represented.

This recommendation was approved.

ESTATE OF MR. CHARLES B. YOUNG, DECEASED

Mr. Barr presented the final report of the Executor in the Charles B. Young estate, with a recommendation that the Board accede to a request of the Executor that the Board enter its appearance in the Probate Court of Cook County and also consent to the entry of a decree granting the personal assets to certain legatees for use for life. The University is residuary legatee of this estate.

On motion of Dr. Meyer, these recommendations were adopted, and the Secretary of the Board was authorized to execute the entry of appearance and consent as recommended.

Mr. Barr withdrew.

ELECTION OF OFFICERS

On motion of Dr. Meyer, Mr. Pogue was appointed Chairman of the meeting for the election of the President of the Board.

MR. ORVILLE M. KARRAKER ELECTED PRESIDENT OF THE BOARD
Dr. Meyer nominated Mr. Orville M. Karraker for the office of President of the Board for the ensuing year.

On motion of Mr. Cleary, the nominations were closed, and the Secretary of the Board was instructed to cast the unanimous vote of the meeting for Mr. Karraker as President. The ballot was cast, and Mr. Karraker was declared elected President of the Board.

MR. HARRISON E. CUNNINGHAM ELECTED SECRETARY

On motion of Mr. Moschel, Mr. Harrison E. Cunningham, of Urbana, was elected Secretary of the Board for one year.

PROFESSOR LLOYD MOREY ELECTED COMPTROLLER

On motion of Dr. Meyer, Professor Lloyd Morey, of Urbana, was elected Comptroller for one year.

MR. FRANK M. GORDON ELECTED TREASURER

On motion of Mrs. Plumb, Mr. Frank M. Gordon, of Chicago, was elected Treasurer for two years, under the same conditions of collateral and bond as at present.

EXECUTIVE COMMITTEE ELECTED

Mr. Pogue nominated Mr. Oscar G. Mayer and Dr. Karl A. Meyer to serve, with the President of the Board as Chairman, as members of the Executive Committee for the ensuing year.

On motion of Mr. Moschel, the nominations were closed, and the Secretary was instructed to cast the unanimous vote of the meeting for Mr. Mayer and Dr. Meyer as members of the Executive Committee. The ballot was cast, and Mr. Mayer and Dr. Meyer were declared elected.

TREASURER'S BOND

On motion of Mr. Pogue, the amount of the Treasurer's bond was fixed at \$500,000, and the Finance Committee was instructed to see that the Treasurer secure a satisfactory bond, and to report it to the Board for approval.

AUTHORITY TO RECEIVE MONEY

On motion of Mr. Moschel, the following resolution was adopted:

Resolved, that the Treasurer of the Board of Trustees of the University of Illinois be, and he hereby is, authorized to receive and receipt for all moneys, and to endorse all orders, drafts, and checks due and payable to the Board of Trustees or to the University of Illinois, and especially all drafts drawn by the Treasurer of the United States payable to the Board of Trustees or the University of Illinois.

DELEGATION OF SIGNATURES

On motion of Mr. Pogue, the following resolution was adopted:

Resolved, that the President and the Secretary of the Board of Trustees are authorized to delegate the signing of their names as President and Secretary, respectively, to vouchers to be presented to the State Auditor, and to warrants drawn on the Treasurer of the University, under the following conditions:

The President of the Board of Trustees is authorized to delegate to C. H. Pratt, to L. M. Dahlenburg, to C. C. DeLong, to Lloyd Morey, and to Arthur Lincicome, the signing of his name as President of the Board of Trustees to vouchers against the State Auditor; and to delegate to H. B. Ingalls, to C. A. Webber, to Lloyd Morey, and to Arthur Lincicome, authority to sign his name to warrants on the University Treasurer covering vouchers approved in accordance with regulations approved by the Board.

The Secretary of the Board of Trustees is authorized to delegate to H. C. Oesterling and to Anna L. Neuber authority to sign his name as Secretary of the Board of Trustees to vouchers against the State Auditor and to warrants on the University Treasurer, covering vouchers approved in accordance with the regulations of the Board.

STANDING COMMITTEES

In accordance with the By-Laws, the standing committees, appointed by President Karraker on March 11, 1937, are printed here.

Finance—OSCAR G. MAYER, Chairman, KARL A. MEYER, LOUIS C. MOSCHEL.

Buildings and Grounds—HOMER M. ADAMS, Chairman, LOUIS C. MOSCHEL, OSCAR G. MAYER, MRS. NELLIE V. FREEMAN, HAROLD A. POGUE.

Sub-committee on Landscaping—MRS. NELLIE V. FREEMAN, Chairman, HOMER M. ADAMS, MRS. GLENN E. PLUMB.

General Policy—JAMES M. CLEARY, Chairman, KARL A. MEYER, OSCAR G. MAYER.

Patents—HAROLD A. POGUE, Chairman, LOUIS C. MOSCHEL, MRS. GLENN E. PLUMB.

Chicago Departments—MRS. GLENN E. PLUMB, Chairman, KARL A. MEYER, JAMES M. CLEARY.

Affiliated Student Activities—MRS. NELLIE V. FREEMAN, Chairman, HOMER M. ADAMS, MRS. GLENN E. PLUMB.

Student Welfare—KARL A. MEYER, Chairman, HAROLD A. POGUE, LOUIS C. MOSCHEL.

Alumni—LOUIS C. MOSCHEL, Chairman, JAMES M. CLEARY, HAROLD A. POGUE.
Agriculture—HAROLD A. POGUE, Chairman, OSCAR G. MAYER, Mrs. NELLIE V. FREEMAN.

MATTERS PRESENTED BY PRESIDENT WILLARD

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

VISIT OF THE GENERAL ASSEMBLY

(1) For many years it has been the custom of the General Assembly of Illinois to make a biennial inspection of the University in a body. The invitation to make the visit usually originates with the University, and I request authority to arrange for the inspection this year with the officers of the General Assembly.

On motion of Mrs. Plumb, the President of the University was authorized to arrange for this inspection.

LORADO TAFT COLLECTION OF PLASTER CASTS

(2) At its last two meetings the Board has considered the purchase of the late Lorado Taft's entire collection of plaster casts.

At the meeting on February 27, I presented a statement from Mrs. Ada B. Taft, Executrix of her husband's estate, offering to sell the collection to the University of Illinois for \$12,000 with the exception of Ghiberti's "Gates of Paradise" which was purchased by the Athletic Association of Hyde Park High School as a contribution to Mr. Taft's proposed museum of casts. When the plan for this museum was given up, the Hyde Park High School asked Mr. Taft to keep this piece in his own studio. There is a possibility that the Hyde Park High School will wish to donate this piece to the University if it purchases the entire collection.

It was suggested at the last meeting that the University secure an independent appraisal of the value of this collection by a competent authority on art. Dean Rexford Newcomb of the College of Fine and Applied Arts has secured such an estimate from Dr. John Shapley, Head of the Department of Art of the University of Chicago, who appraises the Taft collection of casts at a minimum of \$50,000.

On motion of Mrs. Plumb, the purchase of this collection was authorized, and an appropriation of \$15,500, or so much thereof as may be necessary, was made from the General Reserve Fund for the purchase and transportation of the collection, by the following vote: Aye, Mr. Adams, Mr. Cleary, Mr. Karraker, Dr. Meyer, Mr. Moschel, Mrs. Plumb, Mr. Pogue; no, none; absent, Mrs. Freeman, Mr. Horner, Mr. Mayer, Mr. Wieland.

DIRECTORS OF THE ATHLETIC ASSOCIATION

(3) A recommendation that the following be appointed members of the Board of Directors of the Athletic Association to serve from March 9, 1937, until the next annual meeting of the Board of Trustees, or until their successors have been appointed:

F. A. RUSSELL, Urbana
F. E. RICHART, Urbana
W. E. C. CLIFFORD, Champaign

J. P. KRATZ, Monticello
W. S. WILSON, Urbana

On motion of Mr. Pogue, these Directors were appointed as recommended.

ORGANIZATION OF DEPARTMENT OF ENGLISH

(4) Under the University Statutes, an academic department may be organized with either a head or a chairman, and the Statutes provide for a change of departmental organization from a headship to a chairmanship on recommendation of its members of the ranks of assistant professor and above.

In accordance with this procedure, it is recommended that the Department of English, which is at present on a headship basis, be organized with a chairman and

an executive secretary. Such was the organization of the Department for many years when the late Professor Stuart P. Sherman was Chairman.

I recommend further that Professor Harold N. Hillebrand be appointed Chairman of the Department for two years beginning September 1, 1937, at a salary of \$5,500, subject to further adjustment when the budget for 1937-1938 is made up, and that Professor B. L. Jefferson be continued as Executive Secretary of the Department.

On motion of Dr. Meyer, these recommendations were adopted.

LEAVE OF ABSENCE FOR DR. P. W. KETCHUM

(5) A recommendation that Dr. P. W. Ketchum, Associate in Mathematics, who is now on leave of absence without pay, be granted additional leave of absence without pay for the year beginning September 1, 1937, so that he may continue his work at the Institute for Advanced Study at Princeton University.

On motion of Mr. Adams, this leave was granted as recommended.

At this point, Mrs. Freeman took her place with the Board.

SCHOLARSHIPS FOR GRADUATES OF STATE TEACHERS COLLEGES IN ILLINOIS

(6) A recommendation that beginning with the academic year 1937-1938 there be established annual scholarships in the Graduate School available to graduates of the five State Teachers Colleges in Illinois (one scholarship annually for each institution) who are nominated by their institutions, on the same basis as the scholarships for graduates of the recognized four-year colleges of liberal arts in the State of Illinois. These scholarships are of two types—those carrying a stipend of \$300 and exemption from the payment of tuition, incidental, and laboratory fees, and honorary scholarships which provide only exemption from the payment of fees but no stipends. Candidates nominated by the colleges in Illinois who fail to qualify for scholarships with stipends are eligible for honorary scholarships, provided they meet the requirements of the Graduate School for such scholarships.

On motion of Dr. Meyer, these scholarships were established as recommended.

FEDERAL LEGISLATION ON MILITARY TRAINING

(7) A request from the War Department for the assistance of the University of Illinois at hearings before the Senate and House Military Affairs Committees on the Nye-Kvale Bill (S. 367, and H. R. 3800, 75th Congress).

On motion of Mr. Cleary, the President of the University was authorized to appear before the Senate and House Committees and to oppose this bill. Mrs. Plumb asked to be recorded as voting no on this motion.

REPORT ON STATE LEGISLATION

At this point, President Karraker reported that the special committee appointed to confer with Governor Horner on the emergency appropriation for the equipment of the new unit of the Medical and Dental College Laboratories Building, and other legislation, had conferred with the Governor, and that the Governor had approved the introduction of the appropriation bill with an emergency clause.

Mrs. Plumb reported also on this conference.

These reports were received for record.

RELEASE OF PATENT FOR DETECTING FLAWS IN RAILROAD RAILS

(8) On March 12, 1931, the Board of Trustees authorized an agreement with the Association of American Railroads and the Rail Manufacturers' Technical Committee for a cooperative investigation of fissures and other causes of failures in railroad rails by the Engineering Experiment Station, the cooperating agencies agreeing to contribute \$250,000 to cover the expenses of this investigation. The original agreement was for five years from January 1, 1931, and was extended to December 31, 1936.

Under the agreement the cooperating agencies or sponsors are given the right to use any patentable discoveries arising from this investigation without payment of royalties or fees. Professor H. F. Moore, who is in charge of the investigation, has reported a preliminary development of a process for detecting minute cracks in railway rails without injuring the rails (a combined acoustic and electrical method in which the rail is set into vibration and the energy given off, as the vibration dies out, is measured by electrical means). The question has been raised whether the process should be protected by an application for a patent, and if so who should bear the expense and be the owner of any patent issued.

In Professor Moore's opinion the use of this process would be so limited that no objectionable monopoly would result if the University should release to the cooperating agencies the patent rights to the process and permit them to apply for and secure at their expense a patent. The alternative would be that the University secure the patent, in which case it would have to bear the expense of securing it without any monetary return, since, under the agreement with the sponsors of the research it would be obliged to give them a license to use the patent without charge.

In view of these circumstances, the Faculty Committee on Patents recommends that the cooperating agencies be given whatever release may be required in conformity with the terms of their contract to enable them to file an application for a patent to be owned and controlled by them if obtained.

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

BUSWELL SEWAGE TREATMENT AND SLUDGE DIGESTION PATENTS

(9) The Pacific Flush Tank Company, which has been licensed by the Board of Trustees to use the Buswell Patents Nos. 1,838,474 (sewage sludge digestion) and 1,838,475 (sewage treatment), covering the circulation of supernatant liquor in single and two-stage sewage sludge digestion tanks, has offered to purchase these two patents outright for \$3,000 cash.

This offer was referred to the Faculty Committee on Patents which, after giving it careful consideration, recommends that an offer be made to the Pacific Flush Tank Company of an exclusive license in municipal waste for the remaining life of the patents for a consideration of \$5,000. This is not an outright sale of all rights under the patents, but such a license will cover the field in which the Company is interested. The Committee recommends further that a reservation be made in such a license in favor of the State of Illinois and all its institutions, such as the University and others operated by the State. Such a reservation would not apply to cities, villages, and other municipal bodies.

This matter was referred to the Board Committee on Patents for investigation and recommendation to the Board.

AGREEMENT WITH ILLINOIS CROP IMPROVEMENT ASSOCIATION FOR DISTRIBUTION OF HYBRID SEED CORN

(10) A recommendation for the approval of an agreement with the Illinois Crop Improvement Association, Incorporated, for the distribution of seed corn.

One of the recent developments in agronomy has been the great increase in the yield of corn through the use of hybrid seed, and the University has been a leader in this field. The amount of seed is limited, and it is necessary that certain restrictions be placed on its sale for its effective use to the best advantage. This agreement will insure a distribution of the hybrid seed corn under terms and conditions satisfactory to the Department of Agronomy and will relieve the Department of the details of handling the actual distribution. This agreement is for the current calendar year and will expire December 31, 1937. No expense is involved.

On motion of Mrs. Freeman, the execution of this agreement was authorized.

AGREEMENT WITH TENNESSEE VALLEY AUTHORITY FOR EXPERIMENTAL AND DEMONSTRATION WORK ON FERTILIZERS

(11) A recommendation from the Dean of the College of Agriculture for the approval of an agreement with the Tennessee Valley Authority for cooperation between the College of Agriculture, the Agricultural Experiment Station, and the Agricultural Extension Service, and the Authority in distributing and using for experimental

and demonstration purposes as fertilizers the phosphates manufactured at Muscle Shoals.

In February, 1936, the Board of Trustees authorized cooperation with the Tennessee Valley Authority in a project to demonstrate the need of phosphorus in the growing of soil conservation and improvement crops on soils low in phosphorus. The agreement covering this project expired June 30, 1936. The new agreement submitted by the Dean is for the fiscal year ending June 30, 1937, "and thereafter from year to year until terminated by notice in writing by either party to the other thirty days before the end of any fiscal year." There is a provision that on termination of the agreement the University shall complete and deliver to the Authority any reports or other data that may be incomplete as of the date of termination. The Authority will furnish the fertilizers and will reimburse the University for certain of the expenses incurred in the distribution thereof and in the experimental and demonstration work.

On motion of Mr. Pogue, this agreement was approved.

EXTENSION OF AGREEMENTS FOR COOPERATIVE INVESTIGATIONS

(12) A report of the extension of the following agreements for cooperative investigations:

1. Musher Foundation, investigation of the anti-oxidant properties of oat-flour in the prevention of tallowy flavor in dairy products, for six months from February 1, 1937, with the understanding that it may be extended for additional periods under the same terms or such other terms as may be mutually agreed on, to be carried out by the Agricultural Experiment Station. A similar agreement was authorized by the Board last year. The Foundation agrees to contribute an additional \$100 for this study. This is a new agreement, similar to the agreement covering the investigation of the use of oat-flour on lard and meats authorized last year.

2. National Warm Air Heating and Air Conditioning Association, cooperative investigation of warm air furnace heating, for one year from April 15, 1937. The Association has agreed to contribute \$5,000 for the continuation of this investigation during that period.

On motion of Mrs. Freeman, the extension of these agreements was confirmed.

CANCELLATION OF LEVIS LOAN FUND NOTE

(13) In establishing the William E. Levis Loan Fund, as reported to the Board of Trustees on June 29, 1936 (Minutes, page 881), Mr. William E. Levis turned over to the University the sum of \$5,000 together with notes representing loans made by him to various students at the University in the sum of \$15,150, among which was a note for \$410 signed jointly by Aubrey Forman and his mother, Mrs. Bert Forman, of Toledo, Ohio, due January 1, 1940.

Mr. Forman is blind and his parents have suffered very serious reverses, so that it will be impossible for them to pay this note. The donor of the fund has requested that no attempt be made to collect the note and that it be returned to the signers. Since this note was a part of a gift to the University, the Comptroller has been instructed to comply with the request and cancel the note.

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

INVESTMENT OF STUDENT LOAN FUNDS

(14) A report from the Comptroller that in accordance with instructions of the Board of Trustees at the meeting on December 15, he has purchased \$10,000 Treasury 2½% bonds, maturing 1960, optional 1955 at 103²/₃₂, to yield about 2.6% to the optional date, as an investment of surplus cash in the student loan funds.

This report was received for record.

WILL OF CELINDA H. McCULLOUGH

(15) The Secretary of the Board reports that he has received from the Clerk of Champaign County a copy of a petition recently submitted for the probate of the will of the late Celinda H. McCullough, of Urbana, in which the Board of Trustees of the University of Illinois is named as a legatee. The petition does not indicate the nature or conditions of the bequest.

I recommend that the University Counsel be instructed to take whatever action may be necessary to represent the University's interests in this matter.

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

CONTRACT CHANGE ORDERS FOR MEDICAL AND DENTAL BUILDING

(16) In accordance with the authorization of the Board on January 24, 1936, the following contract change orders of work on the Medical and Dental Building have been approved and the following resolution is offered to ratify these actions:

Be it resolved, that the Board of Trustees hereby approves and ratifies the action of the President of the University in authorizing contract change orders on the second unit of the Medical and Dental College Laboratories Building.

I. General Contract

Change Order No. 20

Omit two No. 46 type windows, direct glazing for these openings and slate stools in Stairway No. 1605. Add brickwork and plaster to close up openings. In accordance with proposal dated October 15, 1936, deduct. \$20 24

Change Order No. 21

For furnishing and erecting twenty tie rods over windows in Room 922, add the sum of 46 00

Change Order No. 22

For furnishing the following material in connection with the Mosaic Plaques to be installed in Driveway No. 110: 50 lbs. dry asbestos cement; 50 lbs. portland cement; 25 sq. ft. stained glass; 1 pr. Kauter glass pliers; 6 lbs. lath wire. Add the sum of 10 39

Change Order No. 23

For omitting lead lining in partitions and doors, specified in paragraph 60½ of the Masonry Specifications, except as follows:

In the south, west and north partitions around dark room No. 181, control room No. 178 and Craniostatic X-Ray Room No. 1407.

Lead lining in south and west partitions shall extend seven feet above floor level and shall consist of six pound lead. North partition shall also extend seven feet above floor level and shall consist of four pound lead.

In Control Room No. 178 provide six pound lead lining seven feet above floor level in the south, east and west partitions including the lead glass observation windows.

Provide lead lining in the west, northwest and north partitions of Room 1407. This will include lead lined door. Lead lining shall be four pound and shall extend ten feet above the floor level.

Provide lead lining in the north partition of dark room No. 515, in the center partition of the maze east of room 516 and in the north partition of room 516 which shall include a lead lined door. This shall be three pound lead lining and shall extend seven feet above the floor level.

Deduct the sum of 753 00

Change Order No. 24

Allowance in General Contract for Lighting Fixtures—\$15,000.

Proposal from Edwards Electric Company, dated February 10, 1937, for furnishing and installing complete, all lighting fixtures in accordance with specifications and schedule, dated November 20, 1936, in amount of \$14,230.

Clinic No. 922

Omit 17 D 20" at 38.06. \$647 02 Credit

Add 46 C 12" at 9.59. 441 14 Extra

Net Credit. \$205 88

Clinics Nos. 622-623-718-719-832-833

In each room—

Omit 12 C 14" at 13.24.....	\$158 88	Credit
Add 16 C 12" at 9.59.....	153 44	Extra
Net credit each room.....	\$ 5 44	
Net Credit, Six rooms at \$5.44.....	\$ 32 64	

Surgical Amphitheatre No. 412

Add 5 Holophane CF-300% at \$15.93..... \$ 79 65

Studio No. 434

Omit 5 D 20" at 38.06.....	\$190 30	Credit
Add 5 A3 14" at 7.10.....	35 50	Extra
Net Credit.....	\$154 80	

All C and E fixtures shall be of such length that mounting height will be 7'0" above floor and all such fixtures shall have chain hangers in place of semi-rigid hangers specified at no change in contract price.

The finish of all fixtures shall be as originally specified.

For all materials and labor required to furnish and install a Scialitic "B" lighting fixture in Room #412, a Scialitic "B" lighting fixture in Room #444 and a Scialitic "OA" lighting fixture in Room #408, complete with all details as specified and furnished by The Burrows Company, connected up to outlets and ready for operation for the sum of \$2,576.00, including Sales Tax.

Lighting Fixture Proposal.....	\$14 230 00	
Total Additions.....	2 655 65	
	\$16 885 65	
Total Deductions.....	393 32	
Lighting Fixture Sub-Contract.....	\$16 492 33	
Allowance in General Contract.....	15 000 00	
Amount of this Change Order.....	\$ 1 492 33	

Change Order No. 25

For the omission of photo murals in Rooms 520 and 1202, deduct the sum of..... \$1 305 00

Material for painted murals, add the sum of..... 187 06

Net Credit..... \$1 117 94

Change Order No. 26

Furnish and install three beams and concrete strut in connection with the arch over passageway at the west end of building, add the sum of..... 80 00

II. Plumbing Contract

Change Order No. 16

For substituting Kelvinator Type EB-48 drinking water coolers as per attached proposal No. 7 dated November 4, 1936.
No change in contract price.

III. Ventilating Contract

Change Order No. 6

For making changes in Fan Systems Nos. 1 and 2 as shown on drawing No. 61 and covered by our letter dated October 29, 1936, excepting as follows:

All duct work, casing and equipment shall be omitted between automatic louver damper in fresh air intake and supply fan S-1 except that the automatic air filter shall be furnished and erected on concrete pedestal where shown on drawing No. 61, add the sum of.....

This amount includes the credit for the omission of the vento heaters, duct work, casing, etc. called for in the original contract specifications.

Change Order No. 7

For substituting constant speed motors in place of variable speed motors as specified for the ventilating system, deduct the sum of \$850 00

IV. *Heating Contract*

Change Order No. 8

Furnish and install an Integrating and Recording Steam Flow Meter in accordance with the following specification:

Steam flow meter

One (1) Republic Type "E" Recording and Integrating Steam Flow Meter complete for 6" pipe. The equipment furnished with this meter shall include—One (1) six inch (6") orifice, one (1) pair of condensers, valves and nipples, copper tubing and fittings, one (1) type "B" meter body with mercury and oil, brackets for mounting, one (1) 24" x 16" steel panel on which the recorder and integrator shall be mounted, one hundred (100) evenly graduated charts, one (1) ounce bottle of ink. An electrical clock movement shall be included.

Electric current for operating the meter will be one hundred ten (110) volts, sixty (60) cycle, alternating current.

The various parts that make up the flow meter shall be installed in accordance with manufacturer's recommendations and specifications.

Maximum steam pressure to which meter will be subjected is one hundred fifty (150) lbs.

Installation

Install the orifice plate between a pair of flanges in the six inch (6") high pressure steam line where it enters Mechanical Equipment Room No. 1 from the Research Hospital Building and from either side of the orifice plate rough-in three eighth inch ($\frac{3}{8}$ ") pressure pipe lines to the meter body containing the Mercury "U" tube. The meter body containing the Mercury "U" tube shall be mounted on the north face of column C/9 as directed. Steel panel with the Recording and Integrating portion of the meter shall be mounted on north wall of Mechanical Equipment Room No. 1 just to the east of column C/8 as directed. All electrical wiring connections between meter units and service connection shall be run in conduit. All exposed metal parts shall be painted as directed. Painting Specifications of the original contract specifications shall apply to this work.

As per proposal dated December 10, 1936, add..... \$662 05

Furnish and install a Crane No. 504 gate valve in the vertical section of the 6" high pressure steam line at tunnel entrance in Mechanical Equipment Room No. 1.

As per proposal dated December 10, 1936, add..... 144 14
\$806 19

Change Order No. 9

For furnishing and roughing in one pair of $\frac{3}{8}$ " temperature control pipe risers between Mechanical Equipment Room No. 1 and Surgical Amphitheatre No. 412 for future air conditioning equipment, add the sum of..... 55 00

For furnishing and delivering to the Ventilating Contractor one automatic louvre damper 24" x 48" in lieu of the 33" x 27" damper originally specified, add the sum of..... 47 00

Total Additions..... \$102 00

For omitting the erection and connection of the Vento Heaters shown on original drawings for Fan System No. 1, deduct the sum of 92 00

For omitting the erection and connection of the cast iron radiators in Surgical Amphitheatre Room No. 412 and delivering to the University of Illinois the cast iron radiators, valves, and traps, deduct the sum of \$ 12 00

Total Deductions \$104 00

Net Deduction on this Change Order \$ 2 00

Change Order No. 10

For connecting and disconnecting 47 units of temporary radiation as listed in our letters of January 13 and 22, 1937, at \$6.50 each 305 50

V. Electrical Contract

Change Order No. 7

For furnishing labor and material to install 8th floor outlets shown on drawing No. 9-E which were unintentionally omitted when estimate was submitted covering changes shown on revision drawing No. 56. Credit was allowed for these outlets at the time estimate was submitted. In accordance with proposal dated January 7, 1937, add the sum of 183 08

Change Order No. 8

For furnishing and installing nine new 500 M.C.M. Cables from the secondary bus in the service vault to the power service breaker on the new switchboard panel in addition to the three 500 M.C.M. cables called for in the specifications, as per proposal dated December 5, 1936, add the sum of 590 00

Credit for labor to remove the nine present cables is included in this amount.
The nine present 500 M.C.M. cables shall remain in place, undisturbed, for emergency service or future additional load. The ends of these present cables shall be left in a neat and secure arrangement and they shall be properly sealed with lead to protect the insulation from moisture. This work shall meet with the approval of the architects or their representative.

Note: The Commonwealth Edison Company will not permit the nine present cables to be re-used if they are removed or disturbed. If this work had proceeded at the time the original specifications were written, it would not have been necessary to make this change.

Change Order No. 9

For all material and labor required to furnish and install Holophane lighting for Room #412 in accordance with Holophane Company Drawing No. 6095-MR, complete with all details and ready for operation, add the sum of 1 257 39

For all material and labor required to furnish and install Holophane lighting for Room #444 in accordance with Holophane Company Drawing No. 6296-M, complete with all details and ready for operation, add the sum of 863 59

\$2 120 98

Change Order No. 10

Furnish material and labor necessary to run temporary feeder and connect temporarily a duplex vacuum pump in Equipment Room No. 1, add the sum of \$ 45 62

On motion of Mrs. Freeman, the resolution ratifying the approval of these change orders was adopted.

LIGHTING FIXTURES FOR MEDICAL AND DENTAL BUILDING

(17) Granger and Bollenbacher, Architects for the Medical and Dental Building, have recently secured bids on lighting fixtures for this building, and the lowest bid was recommended for acceptance with certain minor deductions and the addition of

special fixtures in the surgical and autopsy amphitheatres. A contract change order (No. 24, page 198) covering these deductions and addition was submitted to the Federal Emergency Administration of Public Works for approval, but the State Director has advised that it could not be approved because of a change in the regulations requiring formal advertising for bids. Neither the University nor the architects had been advised of this change in the regulations, but nevertheless the State Director has no authority to approve the change order in its present form.

On motion of Mrs. Plumb, all bids for lighting fixtures for this building were rejected and the Director of the Physical Plant Department was instructed to advertise for new bids.

PURCHASES RECOMMENDED

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

1. Fir lumber—30,000 ft.—for the Physical Plant Department stock for use in maintenance work, from Marsh and Truman Lumber Company, Chicago, the lowest bidder, at a price of \$1,273.50 f.o.b. Urbana.
2. Automobile fleet insurance (on 57 passenger cars and 46 trucks), including the following coverage: Property Damage \$5,000, Public Liability \$25,000/50,000, from Gallivan Insurance Agency, Incorporated, representing the Central Surety and Insurance Corporation of Kansas City, Missouri, the lowest bidder, at a premium of \$1,149.98.

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

INVESTMENT OF ENDOWMENT FUNDS

(19) The Comptroller reports that in accordance with the authorization of the Board of Trustees at its meeting on January 29, he has purchased \$5,000 Swift and Company first mortgage, 3¾% bonds, due 1950, at 106, yielding 3.35, as an investment of part of the University's endowment funds.

This report was received for record.

REPORT OF CONTRACTS AND PURCHASE ORDERS

(20) The following report from the Comptroller of contracts and purchase orders executed since the last report:

CONTRACTS EXECUTED BY THE COMPTROLLER

DECEMBER 10, 1936, TO JANUARY 22, 1937

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

<i>For whom</i>	<i>Instruction in</i>	<i>Tenure</i>	<i>Date</i>
Lewis G. McKeener	Medicine	Year 1936-1937	August 8, 1936

Cooperative investigation authorized by Board of Trustees in meeting of October 26, 1936 (Minutes, page 83):

<i>With whom</i>	<i>For</i>	<i>Amount to be received by the University</i>	<i>Date</i>
State of California	Research on reversed stresses on riveted connections	Not to exceed \$1,500	October 28, 1936

CONTRACTS EXECUTED BY THE COMPTROLLER

JANUARY 22, 1937, TO FEBRUARY 22, 1937

Cooperative investigation approved by Board of Trustees in meeting of January 29, 1937 (Minutes, page 149):

<i>With whom</i>	<i>For</i>	<i>Amount to be received by the University</i>	<i>Date</i>
Chicago Bridge and Iron Company	Investigation of cylindrical shells as columns	\$2,400	February 1, 1937

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

<i>For whom</i>	<i>Instruction in</i>	<i>Tenure</i>	<i>Date</i>
Jim M. Rutherford	Engineering	One semester from February 10, 1937	February 1, 1937
Mary E. Fleming			January 18, 1937
Joseph Skala			February 9, 1937

Renewal of lease originally approved by Board of Trustees in meeting of June 6, 1933 (Minutes, page 229):

<i>From whom</i>	<i>Property</i>	<i>Tenure</i>	<i>Amount to be paid by the University</i>	<i>Date</i>
Etta L. Percival	40 acres of land adjacent to the University farm	Year 1937	$\frac{1}{4}$ of all crops	January 30, 1937

Contracts authorized by Board of Trustees in meeting of January 29, 1937 (Minutes, page 160):

<i>With whom</i>	<i>For</i>	<i>Amount to be paid by the University</i>	<i>Date</i>
Bresce Brothers Cleaners, Inc.	Caps and Gowns for 1937 Commencement	\$1.30 per cap and gown	February 13, 1937
G. R. Grubb and Co.	Photo-engraving work for period January 1, to June 30, 1937	Standard scale less 35 and 5 per cent discount	February 10, 1937

This report was received for record.

QUARTERLY REPORT OF COMPTROLLER

(21) The report of the Comptroller to the Board of Trustees for the fiscal quarter ending December 31, 1936.

This report was received for record.

GIFTS TO THE UNIVERSITY

(22) The following report of gifts received by the University:

1. E. I. du Pont de Nemours & Company, one \$750 post-graduate fellowship in Chemistry and one \$2,000 post-doctorate fellowship in Chemistry, for the academic year 1937-1938. These are continuations of grants heretofore made by that company.

2. Röhm and Haas, Manufacturing Chemists, Philadelphia, two post-doctorate fellowships each paying a stipend of \$2,000 a year for research work in the Department of Chemistry, for the academic year 1937-1938.

3. Rare Chemicals Incorporated, Nepera Park, New York, \$600 to assist Dr. Géza de Takats in his research work on eucupin, a local anesthetic.

4. Zeiss Research Microscope with equipment valued at \$330 from Dr. D. M. Olkon, Assistant Professor of Psychiatry.

5. Eighteen posters, and five specimens of decorative ceramic art, designed as part of the Art Project of the Works Progress Administration, through the courtesy of Mrs. Increase Robinson, Supervisor for Illinois and Assistant to the National Director.

6. Mrs. Walter C. Headen, of Shelbyville, 732 volumes, 30 pamphlets, 19 pictures, and several ink sketches to the University Library.

7. American Otological Society, \$2,500 for research work during 1937 by the Department of Psychology on Animal Hearing—renewal of previous grant.

8. American Medical Association, \$500 for research work on cholesterol tolerance as an index of hyperthyroidism, and toward the study of the excretory function of the liver.

9. Illinois Bankers' Association, \$250 for the establishment of a fellowship in economics during the second semester of 1936-1937.

10. The George Davis Bivin Foundation, Incorporated, \$85 in cash prizes, for the best papers on certain problems in Psychology (\$50 for a paper by a graduate student, \$20, \$10, and \$5 each for papers by undergraduate students).

11. Mr. Robert Allerton of Monticello, \$800 to provide stipends for the Allerton American Traveling Scholarships (in architecture) for the year 1937.

12. The Veterans of Foreign Wars, Department of Illinois, sabers for each of the seven cadet officers in command of the R.O.T.C. units in the University of Illinois Brigade.

This report was received for record.

SEARS, ROEBUCK, AND COMPANY SCHOLARSHIP

(23) The gift of \$3,750 from Sears, Roebuck, and Company to aid first-year students in Agriculture (reported to the Board September 30, 1936, Minutes, page 54) will be used for outright scholarship grants instead of a loan fund as previously reported. This is in accordance with the wishes of the donor.

This report was received for record.

ROOM RATES AND ASSIGNMENTS IN WOMEN'S RESIDENCE HALLS

(24) A report that the committee in charge of assigning rooms and fixing rates in the residence halls has been authorized to adopt the following procedure:

1. Rooms will be assigned to applicants without reference to their choice of location. Room changes within a hall will be permitted when feasible but not changes from one hall to another.

2. Two uniform rates for each hall will be established—one for single rooms and the other for rooms accommodating two or more occupants, the actual rates to be determined later on the basis of the cost of operation. This will replace the present schedule of a variety of rates for both single and double rooms, but the gross income will not be affected by these rate changes.

I request confirmation of this authorization.

On motion of Mrs. Freeman, this action was confirmed.

MEMBERSHIP IN HOSPITAL ASSOCIATION

(25) For many years the University has operated through the Dean of Men as Trustee a Mutual Benefit Hospital Fund, or Hospital Association, membership in which is entirely voluntary and open to students and members of the faculty. The fee is \$3 a semester and entitles a member to hospital care at the rate of \$3.50 a day for a maximum of twenty-eight days in any one semester. There are approximately 6,000 members of the Association this semester; during the first semester there were about 7,500 members.

The Student Senate of the University, which is the student governing body, representative of all student interests, has recommended that membership in the Hospital Association be required of all students as soon as the McKinley Hospital has been enlarged and that the Hospital be furnished with a staff physician or physicians to treat light cases of illness without charge. For this additional service the Student Senate recommends a compulsory membership fee of \$5 a semester, \$3 for hospitalization and \$2 for medical treatment.

A similar proposal was before the Board of Trustees in 1933-1934, and a special committee of the Board made a report on it at the meeting of January 26, 1934.

I recommend that this matter be referred to the Committee on General Policy of the Board and to a special committee of the faculty to be appointed by the President of the University, for consideration.

On motion of Dr. Meyer, this matter was referred to the Committee on General Policy and to the faculty committee as recommended.

DORMITORIES FOR MEN

(26) The Men's Independent District Association, an organization of undergraduate men students who do not belong to fraternities, has submitted a report of housing conditions for men students based on a study which it has made. The organization requests that the Board of Trustees give consideration to the construction of men's dormitories in view of present conditions and the prospective continued increase in enrollment.

The problem of student housing deserves serious consideration, including low-cost housing for students of limited financial resources as well as dormitories for students of means.

I recommend that this be referred to the Committee on Student Welfare of the Board and to a special committee of the faculty to be appointed by the President of the University, for consideration.

On motion of Mr. Pogue, this matter was referred to the Committee on Student Welfare and to the faculty committee as recommended.

**HISTORICAL MATERIAL ON UNIVERSITY LEGISLATION
IN THE GENERAL ASSEMBLY OF ILLINOIS**

(27) The Honorable H. M. Dunlap, an alumnus of the University, has offered to prepare a history of University of Illinois legislation from the time the University

was established to the present. Having served in the State Senate for thirty-six years (from 1893 to 1932) and having sponsored all of the University's legislation during that period, he is eminently qualified to write such a history.

This matter was referred to the President of the University for further study and report.

NATURAL RESOURCES BUILDING

(28) A statement concerning the movement to secure the erection of a Natural Resources Building by means of a Federal grant and State appropriation, and of a proposal that the Board of Trustees deed to the State a site for the proposed building.

After full discussion, this matter was referred to the President of the University for further investigation and report.

APPOINTMENTS MADE BY THE PRESIDENT

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

Bradsher, Charles Kilgo, Special Research Assistant in Chemistry, for one year beginning September 1, 1937, at a cash compensation of two thousand dollars (\$2000). (March 4, 1937)¹

Ebel, Albert James, Mechanician in the Radio Station, for six months beginning March 1, 1937, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of one hundred forty dollars (\$140) a month. (March 6, 1937)

Kaski, Ignatius Joseph, Assistant in Chemistry, in the College of Pharmacy, for four months beginning March 1, 1937, at a cash compensation at the rate of one hundred twenty dollars (\$120) a month. (March 1, 1937)

Knight, Richard Bennett, Special Research Graduate Assistant in Mechanical Engineering, in the Engineering Experiment Station, beginning March 15, 1937, and continuing through January 31, 1938, not including July and August, 1937, at a cash compensation at the rate of sixty dollars (\$60) a month. (March 9, 1937)

Newcomer, Mrs. Hale Lloyd, Teacher in Home Economics Education, on one-fourth time, for four months beginning March 1, 1937, at a cash compensation at the rate of forty-six dollars sixty-seven cents (\$46.67) a month. (March 8, 1937)

Tanner, John Gardner, Assistant in Pharmacology and Therapeutics, in the College of Medicine, beginning March 1, 1937, and continuing through August 31, 1937, at a cash compensation at the rate of one hundred dollars (\$100) a month (this supersedes his previous appointment). (March 4, 1937)

Walker, William Cornelius, Assistant in Horticulture, in the College of Agriculture, on one-half time, for six months beginning March 1, 1937, at a cash compensation at the rate of sixty dollars (\$60) a month. (March 6, 1937)

RESIGNATIONS

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

Circle, Sidney Joseph, Assistant in Pharmacology and Therapeutics, in the Department of Pharmacology, Materia Medica, and Therapeutics, in the College of Medicine—resignation effective March 1, 1937.

Gher, Walter Allen, Assistant in Chemistry, in the College of Pharmacy—resignation effective March 1, 1937.

Phillips, Willis Eugene, Radio Station Technician—resignation effective March 1, 1937.

The Board adjourned.

H. E. CUNNINGHAM

Secretary

O. M. KARRAKER

President

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