

MEETING OF THE BOARD OF TRUSTEES

OF THE

UNIVERSITY OF ILLINOIS

November 16, 1928



The November 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 Friday, November 16, 1928.

When the Board convened, the following members were present: President Armstrong, Mr. Barr, Mr. Blair, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mr. Trees, Mr. Ward.

President Kinley was present.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of October 26, 1928. On motion of Mr. Trees, the minutes were approved as printed on pages 67 to 75 above.

MATTERS PRESENTED BY PRESIDENT KINLEY

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

AUDITORS' REPORT

(1) The report of the auditors for the quarter ending September 30, 1928.

October 29, 1928

Board of Trustees, University of Illinois, Urbana, Illinois

DEAR SIRs:

We have audited the accounts of the University of Illinois for the quarter ending September 30, 1928.

We verified the account of Cash Receipts and Disbursements as shown by the books of the Business Office.

We have verified all items of Cash, Investments and Receivables as shown in the Balance Sheet.

We have also verified in total all disbursements made on account of the University by the State Auditor.

In our opinion the statements contained in the Comptroller's report reflect the true financial condition of the University at September 30, 1928.

ARTHUR YOUNG & COMPANY

This report was received for record.

APPROPRIATION FOR COLLEGE OF DENTISTRY

(2) On request of Dean Noyes, I recommend that \$1,400 be appropriated from the Reserve and Contingent Fund to provide for the salary of a technician and wages of an assistant on special research work.

On motion of Mrs. Evans, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mr. Blair, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mr. Trees, Mr. Ward; no, none; absent, Mrs. Ickes, Dr. Noble, Mr. Small.

APPROPRIATION FOR WORK IN THE UNIVERSITY FORESTRY

(3) I recommend that an appropriation of \$500 be made from the Reserve and Contingent Fund to the Supervising Architect's budget for additional work in clearing up the University forestry.

On motion of Mrs. Busey, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mr. Blair, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mr. Trees, Mr. Ward; no, none; absent, Mrs. Ickes, Dr. Noble, Mr. Small.

APPROPRIATION FOR BRONZE BUST OF LINCOLN

(4) On request of the Supervising Architect, I recommend that an appropriation of \$450 be made from the Reserve and Contingent Fund for the purchase of a bronze bust of Lincoln by Hermon MacNeil of New York to be placed in the niche in Lincoln Hall.

On motion of Mrs. Grigsby, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mr. Blair, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mr. Trees, Mr. Ward; no, none; absent, Mrs. Ickes, Dr. Noble, Mr. Small.

At this point, Dr. Noble took his place with the Board.

APPROPRIATIONS FOR WORKING DRAWINGS FOR NEW BUILDINGS

(5) On request of the Supervising Architect, I recommend that an appropriation of \$5,000 be made from the Reserve and Contingent Fund as a revolving fund for working drawings and preliminary plans for some of the buildings asked for the next biennium.

On motion of Mr. Trees, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mr. Blair, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Dr. Noble, Mr. Trees, Mr. Ward; no, none; absent, Mrs. Ickes, Mr. Small.

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

APPROPRIATION FOR ARCHAEOLOGICAL EXPLORATIONS

(6) I recommend that an appropriation of \$600 be made from the Reserve and Contingent Fund for additional work in connection with the archaeological explorations which the University has been conducting in various parts of the State.

On motion of Mr. Barr, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mr. Blair, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mrs. Ickes, Dr. Noble, Mr. Trees, Mr. Ward; no, none; absent, Mr. Small.

FINISH HARDWARE FOR LINCOLN HALL ADDITION AND MATERIALS TESTING LABORATORY

(7) The Supervising Architect submits the following schedule of bids for finish hardware for the Lincoln Hall Addition and the Materials Testing Laboratory, which were opened on October 25 with President Armstrong of the Board present:

<i>Bidders</i>	<i>Bids</i>	
	<i>Lincoln Hall Addition</i>	<i>Materials Testing Laboratory</i>
Sargent & Co.....	\$2 750 00	\$1 725 00
C. J. Werner.....	3 100 00	1 900 00
Holder Hardware Co.....	3 154 00	1 740 00

The Supervising Architect recommends, and I concur, that the awards be made to the low bidders who are Sargent and Company in both cases.

On motion of Mr. Trees, this award was made.

STEAM TURBINE FOR POWER PLANT

(8) An appropriation of \$30,000 was made at the June 29, 1928, meeting of the Board (special appropriations, page 738) for the purchase and installation of a new steam turbine in the Power Plant. The Supervising Architect reports that he has received bids on the turbine as follows:

General Electric Company.....	\$16 850
Westinghouse Electric and Manufacturing Company.....	17 571

The order was placed with the General Electric Company.

This report was received for record.

DENTAL BUILDING BONDS

(9) At various times, for example January 12, 1924, and November 19, 1925, you have authorized the Comptroller to purchase bonds of the College of Physicians and Surgeons outstanding against the Dental Building, provided he could get them at par or less.

Under date of November 5, 1928, the Comptroller writes me that the University now owns \$12,300 of the bonds on the Dental Building; that of this sum \$7,600 is owned outright and is in our treasury and \$4,700 represents investment of trust funds.

The Comptroller now recommends that the portion of the bonds held by us representing investment of trust funds, namely, \$4,700, be taken over by our general fund and the proceeds reinvested in other securities; and also that we cancel and retire the bonds which we own outright, amounting to \$7,600.

I concur in the Comptroller's recommendations and request an appropriation of \$4,700 from the Reserve and Contingent Fund to pay into the trust fund the amount necessary for the redemption of these bonds.

I further recommend that this money be invested in appropriate trust fund securities to the credit of the various trusts represented.

I further concur in the recommendation of the Comptroller that the bonds owned by the University be canceled.

On motion of Mrs. Evans, the matter of the disposal of the bonds held as trust-fund investments was referred to the Finance Committee for consideration and report.

On motion of Mrs. Ickes, the bonds of the College of Physicians and Surgeons of Chicago (\$7,600) owned outright were ordered canceled and retired.

HEARING FOR DR. ADLER

(10) A request that Dr. H. M. Adler and his associates be heard at this time on the reasons for his refusal of his appointment.

This hearing was granted, and Dr. Adler was introduced; with him were Mr. Cyrus McCormick, Jr., Judge Mary M. Bartelme, Dr. Ludvig Hektoen, Mr. J. H. Schaffner, and Mr. Roy C. Osgood, all trustees of the Behavior Research Fund. All of these persons made statements concerning the work of the Bureau of Juvenile Research and the building proposed for its work.

President Armstrong thanked Dr. Adler and the Representatives of the Behavior Research Fund for their presentation of the matter, and they retired.

At this point, Mr. Blair withdrew.

INSURANCE ON NEW BUILDINGS

(11) The contracts for the addition to Lincoln Hall and for the Materials Testing Laboratory provide that the University carry the necessary insurance on these buildings during the period of construction. On request of the Supervising Architect that the first instalment of this insurance, amounting to \$23,000 on Lincoln Hall and \$80,000 on the Materials Testing Laboratory, be placed, the Comptroller advertised for bids and submits the following schedule:

BIDS RECEIVED ON INSURANCE FOR LINCOLN HALL AND MATERIALS TESTING LABORATORY. RATES ARE PER \$100 FOR ONE YEAR, WITH 80% CO-INSURANCE

Bidder	Lincoln Hall		Materials Testing Laboratory	
	Fire	Tornado	Fire	Tornado
Burton & Trelease.....	.30*	.234*	.75	.40
D. G. Swannell.....	.30*	.234*	.30*	.234*
W. R. Hidy.....	.30*	.234*	.30*	.234*
Mark D. Brown.....	.56¼	.234*	.56¼	.234*
Savage & Kurt.....	.30*	.234*	.37½	.234
Hayes, Atkinson Agency.....	.37½	.234*	.56¼	.234*
A. H. McLean.....	.56¼	.40	.56¼	.40
Boggs & Cogdal.....				
		Lump sum.....	\$600	

*Represents low bidders, companies satisfactory.

OTHER FIRMS SUBMITTING BIDS BUT NOT COMPLYING WITH REQUIREMENTS OF REQUEST FOR BIDS

Bidder	Lincoln Hall		Materials Testing Laboratory	
	Fire	Tornado	Fire	Tornado
H. E. Wilcox.....	.245	.639	.245	.639
Monier & Morrisey }.....		.474		.474
Campbell & Son }				

The above bidders did not state the companies with whom the insurance would be placed.

LLOYD MOREY

I recommend that the Comptroller be authorized to distribute this insurance equally among the several agencies submitting the lowest bids, on the basis of these bids, and to add to it until the completion of the buildings, in consultation with the Supervising Architect, and that the rest of the insurance be handled by the Comptroller and the Supervising Architect to the best advantage for the University, until the completion of the buildings.

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

DECISION OF U. S. CUSTOMS COURT

(12) A report of a decision of the United States Customs Court on payment of duty on articles imported by or for the University.

This report was received for record.

GIFT OF MR. ROBERT ALLERTON

(13) Mr. Robert Allerton of Monticello has offered the Department of Architecture the sum of \$800 to be used during the summer of 1929 "for a trip through New England by the two juniors who stand best in Professor Newcomb's class in the History of Architecture." The plan is to enable these students to study early American architecture in New England and the trip is to be planned by Mr. Allerton and Professor Newcomb.

I recommend that this gift be accepted, to be used under the conditions specified by Mr. Allerton and to be known as "The Allerton American Traveling Scholarship."

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

PORTRAIT OF DIRECTOR GEORGE A. HUFF

(14) The alumni and members of the active chapter of Kappa Sigma Fraternity have presented a portrait of Director George A. Huff by the distinguished artist, Mr. Frank O. Salisbury of London, to the University, the presentation having been made by Mr. George R. Carr of the class of 1901 at the Alumni Reunion on Homecoming Day, October 27. When the portrait arrived, the day before the presentation, I appointed a committee consisting of Professors E. J. Lake, C. E. Bradbury, L. C. Dillenback, and J. M. White, to pass on its artistic quality, in accordance with the rules of the Board. The committee unanimously recommended the acceptance of the portrait, and, accordingly, I accepted it for the University at the public ceremony referred to.

On motion of Mr. Trees, this report was received for record, and the President of the University was requested to convey to the donors an expression of the appreciation of the Board.

GIFT OF HORSE CHESTNUTS

(15) The University has received through Miss Barbara Bayne, Tree Historian of America, three horse chestnuts from the Friendship tree at Bath, Pennsylvania, which has a historical connection with the lives of George Washington, General Henry Lee, and General Robert Brown. The purpose of this gift is to perpetuate the historic tree at Bath. Professor White plans to plant the chestnuts in one of the greenhouses, then transfer them to the Nursery, and to transplant the trees later on some Arbor Day.

This report was received for record.

REPORT ON COOPERATIVE RESEARCH AND COMMERCIAL TESTS

(16) In accordance with the instructions of the Board (Minutes, September 20, 1928, page 7) I submit the following report on Cooperative Research and Commercial Tests.

At the meeting of the Board of Trustees on December 14, 1916, President James presented a statement from the Dean of the College of Engineering that he had arranged to carry on certain cooperative experiments between the University of Illinois, through its Engineering Experiment Station, and the Committee on Locomotive Feed-Water Heating of the International Railway Fuel Association and also between the University and the American Arch Company.

This agreement provided that tests be made on certain locomotives, under the direction of Professor E. C. Schmidt; that all results secured from the investigation be the property of the Engineering Experiment Station to be published as Station Bulletins or otherwise as determined by the Director of the Station; and that "the results also will at all times be open to the inspection and use of the representatives of the American Arch Company."

The University agreed to contribute the use of its plant and such service of staff as may be necessary to the supervision of the work and the summarization of data.

The American Arch Company agreed to provide the continued use of the locomotive and to supply funds for all supplies, to equip the locomotive with devices to be tested, provide service of men necessary to operate the locomotive and laboratory, to take readings and work up results. The Company agreed to make deposits in advance of actual expenditures. This agreement was approved by the Board.

The other agreement, for locomotive feed-water heating, made similar provisions. This also was approved. So far as I have been able to find, these were the first agreements for cooperative research. The above form of agreement appears to have been taken as a model for future agreements by the Engineering Experiment Station.

At the meeting on July 17, 1918, a contract similar in its terms for cooperative work in heating and ventilation was approved.

Another cooperative agreement of this kind with the United States Bureau of Mines was approved January 8, 1919.

In February, 1921, Dean Richards published Engineering Experiment Station Circular No. 9 in which he set forth the general form of agreement for cooperative research and commercial tests.

On September 14, 1920, adjourned to September 28, 1920, and May 16, 1925 (page 230), the Board made a declaration of policy concerning certain kinds of research problems. This declaration of policy was published in the Extracts of the Board of Trustees published December, 1926, page 20. All agreements entered into since 1921 have followed the general form outlined by Dean Richards in his Circular No. 9, whether the proposed research was in engineering or some other line.

COMMERCIAL TESTS

At its meeting on March 12, 1918, the Board approved proposed regulations governing commercial tests submitted by the Comptroller after consultation with members of the Engineering staff. These regulations are printed in the Extracts from the Laws of the Board of Trustees, published December, 1926, page 18.

REPORT ON COOPERATIVE RESEARCH PROJECTS BEING CARRIED ON BY THE UNIVERSITY OF ILLINOIS

College of Liberal Arts and Sciences

Chemistry

Research work on the physiological effect of tartrates, established by the Calumet Baking Powder Company which provided \$1,000 a year for this work. (Accepted October, 1926)

Research work on the nature of detonation in internal combustion engines established by the Standard Oil Company of Indiana which provided \$1,000 a year. (Accepted February, 1928)

Geology

Research on oil reservoirs in cooperation with the National Research Council and the American Petroleum Institute, which has furnished \$4,600 for this work for the year beginning June 15, 1928.

College of Medicine

Fellowship of \$1,800 per annum provided by Eli Lilly and Company for an investigation of allergy, such as hay fever, asthma, etc. (Accepted September, 1928)

College of Agriculture

Agreement with the Illinois State Electric Association and the Central Illinois Public Service Company for an investigation of the use of electricity in agriculture. A total of \$13,300 was received for this work. The investigation was completed September 1, 1928, but the results are still to be published by the University.

From the Illinois Cannery Association the sum of \$3,000 a year for a period of five years for investigational work in cannery crops. There are no restrictions regarding the use of the money, except that \$300 a year is used in payment of rent of a tract of land leased by the Association for the use of the Department of Horticulture in connection with these investigations. This agreement was started in 1923 and expires in 1929. The Cannery Association does not propose to renew it.

Several of the departments carry on cooperative projects with various divisions of the United States Department of Agriculture.

COOPERATIVE RESEARCH PROJECTS, ENGINEERING EXPERIMENT STATION, OCTOBER 1, 1928

<i>Name of Investigation</i>	<i>Cooperating Agent</i>	<i>Date of Execution of Contract by Board of Trustees</i>
Boiler Feed Water Treatment	Utilities Research Commission	May 17, 1924
Ageing of Porcelain	Utilities Research Commission	Extension, June 14, 1926
Car Axle Failures	Utilities Research Commission	Extension, June 14, 1926
Impact with Steel Structures	Utilities Research Commission	Extension, June 14, 1926
Methods of Testing High Voltage Cables	Utilities Research Commission	Extension, June 14, 1926
Fissures in Steel Rails	Utilities Research Commission	May 23, 1928
Prevention of Corrosion by Flue Gas	Utilities Research Commission	May 23, 1928
Water Treatment for Ice Making	Utilities Research Commission	May 23, 1928
Methods of Heating Asphalt	Utilities Research Commission	June 29, 1928
Effects of Products of Combustion on Quality of Enamel	Utilities Research Commission	June 12, 1928
Methods of Eliminating Stretching of Lead Sheaths	Utilities Research Commission	October 16, 1928
Warm Air Furnaces and Furnace Heating	National Warm Air Heating Association	October 17, 1918
Fatigue Phenomena of Metals	Engineering Foundation, National Research Council, General Electric Company, Western Electric, etc.	October 4, 1919
Drying of Clay Wares	National Brick Manufacturers' Association	November 19, 1925
Steam and Hot Water Heating	National Boiler and Radiator Manufacturers' Association and Illinois Master Plumbers' Association	March 9, 1926, Extended, July 19, 1927
Investigation of Feldspars	Golding Sons' Company of Trenton, New Jersey	April 20, 1927

Enameling of Sheet Steel	Ingram-Richardson Manufacturing Co.	May 21, 1927
Cast Iron Enamels	Research Bureau on Cast Iron Enamels (representing nine manufacturies)	May 21, 1927
Cast Iron Pipe	Sectional Committee on Cast Iron Pipe (Organized under Procedure of American Engineering Standards Committee with 4 National Associations)	October 12, 1927
Boiler Furnace Refractories	American Society of Mechanical Engineers	April 12, 1928
Biaxial Stresses	Chicago Bridge and Iron Works	March 13, 1928
Riveted Connections	Chicago Bridge and Iron Works	April 12, 1928
Manufacture of Illinois Gas ¹	Illinois Gas Association	
Concrete Arch Investigation ²	American Society of Civil Engineers	
Tests of Large Rollers ²	American Railway Engineering Association	

This report was received for record.

PRESIDENT'S UNIVERSITY LECTURE FUND

(17) A request for an appropriation from the Reserve and Contingent Fund of \$1,500 for University lectures under the immediate direction of the President of the University.

On motion of Mr. Trees, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mrs. Ickes, Mr. Trees; no, none; absent, Mr. Blair, Dr. Noble, Mr. Small, Mr. Ward.

ACTIVE SERVICE FOR DEAN DAVENPORT

(18) A request for authority to call Dean Eugene Davenport back into active service for a period of service to end not later than June 30, 1929, on terms to be arranged.

On motion of Mrs. Ickes, this authority was given.

COOPERATIVE INVESTIGATION OF ILLINOIS COALS

(19) On recommendation of Dean Ketchum I recommend approval of an agreement with the Zeigler Coal and Coke Company of Chicago for a cooperative investigation of Illinois Coals, this investigation to cover two fields, viz:

(A) Preparation and washability tests—to be carried on under the direction of the Mining Engineering Department.

(B) Combustion tests—to be carried on under the direction of the Mechanical Engineering Department in the Power Plant.

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

¹Money is contributed for the annual stipend of two Research Graduate Assistants who are employed in gas engineering research.

²No formal contract; money is contributed as a gift to be expended without restrictions.

BUILDING FOR CHEMICAL EXPERIMENTS

(20) A recommendation that an appropriation of \$4,000, or so much thereof as may be necessary, be made from the Reserve and Contingent Fund to house certain experiments in Chemistry.

On motion of Mrs. Grigsby, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mrs. Ickes, Mr. Trees; no, none; absent, Mr. Blair, Dr. Noble, Mr. Small, Mr. Ward.

DEATH BENEFIT FOR PROFESSOR EMMEL

(21) A recommendation that \$2,100 be appropriated from the Reserve and Contingent Fund for a death benefit for Professor V. E. Emmel, who died November 7, 1928. The amount of payment is based on Professor Emmel's last continuous service of seven years.

On motion of Mrs. Evans, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mrs. Ickes, Mr. Trees; no, none; absent, Mr. Blair, Dr. Noble, Mr. Small, Mr. Ward.

REPORT ON ATHLETIC ASSOCIATION

Mr. Trees, for the Committee on Physical Education, presented the following report:

The Committee on Physical Education wishes to report that it has held a conference with the Board of Directors of the Athletic Association in reference to the relationship of the University to the Athletic Association.

It is the opinion of your Committee that the present method of operation is quite satisfactory and should be continued.

It is recommended, however, that hereafter, when the budget of the Athletic Association is submitted to the Board of Trustees, it should be studied with the idea of approval or correction and not received simply as a matter of record.

MERLE J. TREES
GEORGE A. BARR
HELEN M. GRIGSBY

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

SIZE OF PORTRAITS

Mrs. Busey presented the following report for the special committee to consider the size of portraits to be hung in University buildings, the place of hanging, and other elements involved.

To the Board of Trustees: University of Illinois

Your Committee first investigated the facts with reference to portraits now in University Buildings and that data is shown on the accompanying blue print. It seemed worth while to include memorial tablets, mosaic portraits, and busts in order to have a complete record. In some cases the name of the artist does not appear but probably can be determined by taking the paintings out of the frames.

It is interesting to note that there are three paintings by Ralph Clarkson, one by Louis Betts, and one by Grover, as well as our three recent ones by Trebilcock, Hawthorne, and Salisbury. All these men have high reputations as portrait painters. All but five of these paintings are under fourteen square feet in area if we include Judge Harker's which is but little larger.

Your Committee recommends that, as a general standard, the area of visible canvas be limited to fourteen square feet unless, because of special circumstances, the Board sees fit to change the ruling. Such a regulation would prevent any paintings being made of larger size without permission from the Board.

The policy now being followed in the locating of portraits is to hang the Presidents' portraits in the Library and all others in rooms of the College or Department with which the person's teaching has been most closely affiliated. We recommend that this policy be adopted.

Under this ruling Director Huff's portrait would hang in the New Gymnasium but until the north wing is built there is no really suitable room for it. In the interim we recommend that it be hung in the corridor leading south from the north entrance of the New Library Building.

MARY E. BUSEY, *Chairman*
ANNA W. ICKES
HELEN M. GRIGSBY
LAURA B. EVANS

On motion of Mrs. Busey, this report was adopted.

APPROPRIATION FOR ALUMNI NEWS

On motion of Mr. Barr, the action of the Board in appropriating \$3,000 for the *Alumni News* (October 13, 1928, page 59) was rescinded.

Mr. Barr presented the following report of the Committee on Alumni.

The Committee on Alumni held a meeting in Chicago November 16, 1928. Present, George A. Barr and Mrs. Busey. Mr. Barr called to the attention of the committee the fact that the language of the report of this committee recommending to the Board of Trustees the appropriation of \$3,000 for the *Alumni News*, which recommendation was adopted at the meeting of the Board held October 13, did not state the exact purpose intended. It was intended that the money might be used in the general improvement of the publication and not simply to change the publication from a monthly to a weekly publication. Your committee therefore recommends that an appropriation of \$3,000 be made toward the expense of the improvement of the *Alumni News*.

GEORGE A. BARR
MARY E. BUSEY

On motion of Mr. Barr, this appropriation was made, by the following vote: Aye, Mr. Armstrong, Mr. Barr, Mrs. Busey, Mrs. Evans, Mrs. Grigsby, Mrs. Ickes, Mr. Trees; no, none; absent, Mr. Blair, Dr. Noble, Mr. Small, Mr. Ward.

LETTER FROM CYRUS McCORMICK, JR.

President Kinley read the following letter from Mr. Cyrus McCormick, Jr., handed to him in the Board meeting:

November 16, 1928

To the President and Trustees of the University of Illinois:

Referring to our very interesting discussion of this morning, I take the liberty of suggesting the appointment of a committee from your Board to meet with a committee from the Board of Trustees of the Behavior Research Fund and a committee representing the University of Chicago. It would be the duty of this joint committee to discuss and report back to their parent Boards the feasibility or the contrary of any possible plan of joint cooperation. I suggest that the invitations for any such meeting should be issued in the name of the Behavior Research Fund.

There seemed to me to be three possible eventualities which might conclude our discussion:

(1) The University of Illinois might decide to oppose our project, in which case we would not be able to secure the support of the University of Chicago, and the hopes we now hold and the plans for a rosy future which we now have in our minds would be fruitless.

(2) The University of Illinois might decide that such plans as we discussed this morning were good but that it did not wish to cooperate in them for good and sufficient reasons. The University might, therefore, express itself as not being sufficiently concerned with the program to collaborate in the development of the joint scheme. In this case we would proceed simply with the University of Chicago as a partner and would accomplish more good than we could under item one above referred to, but not as much as could, in our opinion, be accomplished by item three below.

(3) The University of Illinois could express its willingness to cooperate with the University of Chicago and with ourselves, in which case the tripartite scheme of joint operation would proceed with the greatest possible chance of success.

I take the liberty of suggesting that all details should be argued out in the joint committee I am recommending and that no one of the three parties to this discussion should at any period consider itself bound by the discussion until mutually satisfactory plans for cooperation can be accomplished.

Very respectfully,

CYRUS MCCORMICK, JR.
*President, Board of Trustees,
Behavior Research Fund*

Mr. Trees offered a motion that the President of the University acknowledge Mr. McCormick's letter, and that, as Mr. McCormick suggested, a committee of three be appointed to secure information and, at a proper time, to meet with representatives of the Trustees of the Behavior Institute, for information purposes only, and to report to the Board. This motion was carried.

Mr. Armstrong later appointed Mr. Trees, Mr. Barr, and Mr. Armstrong (with the President of the University *ex officio*) to serve on this special committee.

CONTRACTS FOR GREENHOUSES

On request of the President of the University, Professor White presented the following schedules of bids for greenhouses:

Bidders	CONCRETE WORK			
		Bids		
		A ¹	B ²	C ³
A. W. Stoolman.....	\$3 270 00	\$ 65 00	\$223 00	\$67 20
English Brothers.....	3 588 00	61 00	293 00	
King & Petry.....	3 732 00	100 00		
SUPERSTRUCTURE				
		A ¹	B ²	C ⁴
American Greenhouse Co.....	\$22 200 00	\$1 225 00	\$2 400 00	\$200 00
John C. Moninger Co.....	24 000 00	1 236 00	2 603 00	
Foley Greenhouse Co.....	24 200 00	485 00	2 900 00	

¹Deduction if central partitions in Floriculture Greenhouses are omitted.

²Deduction if 80' Vegetable Greenhouse is omitted.

³Deducting basement windows.

⁴Deduction if ventilating sash and operators for same are omitted from the concrete walls in east house for Floriculture Department.

On the recommendation of the President of the University, and on motion of Mr. Barr, the contract for the concrete work was awarded to the low bidder, Mr. A. W. Stoolman, for \$2,914.80.

On the recommendation of the President of the University, and on motion of Mrs. Evans, the contract for the superstructure was awarded to the low bidder, the American Greenhouse Company, for \$18,375.

COMPTROLLER'S REPORT OF CONTRACTS AND PURCHASE ORDERS

The President of the University presented the following report from the Comptroller on contracts and purchase orders issued since the last report:

CONTRACTS EXECUTED BY THE COMPTROLLER OCTOBER 9, 1928, TO NOVEMBER 10, 1928

Contract reported to the Board of Trustees in meeting of October 13, 1928:

Name	Amount	Date	Item
Utilities Research Commission	\$2 400 00 (Gift)	October 16, 1928	Cooperative investigation of methods of eliminating stretching of lead sheaths of high voltage cables.

Contracts executed under general regulations:

English Brothers	\$3 987 00	October 11, 1928	Concrete retaining wall for coal storage
A. F. Cook	1 250 00	October 2, 1928	Cow barn on north Carter-Pennell Farm ¹

Lease contract executed under general regulations:

Leased to	Property	Rental	Date	Tenure
Carl Johnson	Small house on Percival Farm	\$10 per month	October 1, 1928	One month, renewable

PURCHASE ORDERS ISSUED IN OCTOBER AMOUNTING TO \$1000 OR MORE

Department	Firm	Description	Amount	Procedure
Physical plant	Westinghouse Electric and Manufacturing Company	Re-winding Motors	\$1 290 50	Quoted
Physical plant	Rutledge and Taylor Coal Company	Coal	1 050 00	Quoted ²
Supervising Architect	H. Hunsucker	Work on trees	1 200 00	Quoted ³
Physical plant	Link Belt Company	Crusher	2 618 00	Quoted

H. M. EDWARDS
Purchasing Agent

DATE OF DECEMBER MEETING

It was voted to hold the December quarterly meeting at the Blackstone Hotel, in Chicago, at 9:30 a. m. on Tuesday, December 11, 1928.

APPOINTMENTS MADE BY PRESIDENT KINLEY

The Secretary presented for record the following list of appointments made by the President of the University:

Bullis, Kenneth L., Assistant in Animal Pathology in the Department of Animal Husbandry, in the College of Agriculture and the Agricultural Experiment Station, on one-half time, for ten months beginning November 1, 1928, at a cash compensation at the rate of eighty-three dollars thirty-three cents (\$83.33) a month. (November 5, 1928)⁴

¹Authorized by Board of Trustees, September 20, 1928.

²Arranged by Mr. J. A. Morrow.

³Arranged by Supervising Architect.

⁴The date in parenthesis is the date on which the appointment was made by the President of the University.

Daly, Alice Ellen, Assistant in Library Science, in the Library School, for eight months beginning November 1, 1928, at a cash compensation at the rate of one hundred fifty dollars (\$150) a month. (November 5, 1928)

Gubbins, Maud, Filing Clerk in the Infirmary, in the College of Dentistry, on one-half time, for one year beginning September 1, 1928, at a cash compensation at the rate of sixty-two dollars fifty cents (\$62.50) a month (this superseding her previous appointment). (November 5, 1928)

Immele, Mary Sophia, Stenographer in the Department of Horticulture, in the College of Agriculture, for ten months beginning November 1, 1928, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of eighty-five dollars (\$85) a month. (November 8, 1928)

Kluge, Ralph Wendel, Special Research Graduate Assistant in Civil Engineering, in the College of Engineering and the Engineering Experiment Station, for ten months beginning September 1, 1928, at a cash compensation of six hundred dollars (\$600). (October 27, 1928)

Lueth, Ella Josephine, Technician in the McKinley Hospital, beginning October 22, 1928, and continuing until September 1, 1929, at a cash compensation at the rate of one hundred fifty dollars (\$150) a month, with maintenance while hospital is in operation. (October 31, 1928)

McGreevy, Carrie, Stenographer in the Registrar's Office, beginning November 12, 1928, and continuing until August 31, 1929, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of ninety dollars (\$90) a month. (October 31, 1928)

O'Donnell, Margaret, Stenographer in the Department of Horticulture, in the College of Agriculture, for ten months beginning November 1, 1928, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of ninety-five dollars (\$95) a month (this superseding her previous appointment). (November 7, 1928)

Pegues, C. M., Assistant in Romance Languages, on one-half time, for five months beginning February 1, 1929, at a cash compensation at the rate of eighty dollars (\$80) a month (this superseding his previous appointment). (November 5, 1928)

Pietrangeli, Angelina, Assistant in Romance Languages, on three-fourths time, for five months beginning February 1, 1929, at a cash compensation at the rate of ninety dollars (\$90) a month (this superseding her previous appointment). (November 5, 1928)

Schoonmaker, Eva Marie, Stenographer in the Department of Horticulture, in the College of Agriculture, for ten months beginning November 1, 1928, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of ninety dollars (\$90) a month. (November 12, 1928)

Stone, John P., Assistant in the Order Department of the Library, for ten months beginning November 1, 1928, at a cash compensation at the rate of one hundred twelve dollars fifty cents (\$112.50) a month. (November 7, 1928)

The Board adjourned.

H. E. CUNNINGHAM
Secretary

J. W. ARMSTRONG
President