

## Adjourned Session, April 27, 1915.

When the board convened at 10.30 a. m., on Tuesday, April 27, 1915, pursuant to adjournment, the following members were present: Mrs. Busey, Mr. Carr, Mrs. Evans, Mrs. Henrotin, Mr. Hoit, Mr. Trevett, Miss Watson.

President James was present.

In the absence of Mr. Abbott, and on motion of Mr. Hoit, Mr. Carr was elected chairman of the meeting.

### MINUTES APPROVED.

The Secretary presented the minutes of the meetings of March 2 and 9, 1915, which, on motion of Mrs. Henrotin, were approved as printed above on pages 204 to 229, inclusive.

### THE MILL TAX FUND.

President James presented the following statement concerning the mill tax fund:

Four years ago after a discussion extending over ten years or more the Legislature of Illinois passed a law called the Mill Tax Law providing that a tax of one mill per dollar of assessed valuation of the property of the State should be levied and collected each year for the support and maintenance of the University of Illinois.

Four considerations led to the adoption of this plan:

1. The unsatisfactory experience of this State up to that time growing out of the more or less haphazard character of the appropriations made for the University.

2. The experience of other states like Michigan, Wisconsin, Minnesota, Iowa, California, etc., all of which by long and costly trial had found out that if they wished to develop a strong state university it would be necessary to take the institution out of politics by giving to it a permanent revenue beyond the reach of temporary and occasional accidents of legislative action.

3. The conviction that the People of the State would get much more for their money if the Trustees of the University were able to estimate with some degree of accuracy the amount of money likely to be at their disposal for the maintenance and development of the University.

4. The belief that by some regular and automatic action a steady increase should accrue to the funds of the University corresponding to the growth of the commonwealth in population and resources and to the ever increasing demands made upon the University for service to the public.

The Mill Tax Law passed by the Legislature in 1911 will secure these ends if it be maintained.

The tax produced \$2,250,000 per annum for the biennium closing June 30, 1915.

It will produce \$2,500,000 per annum for the biennium beginning July 1, 1915.

The University needs every dollar of this sum in order to do the increasing work which the State has imposed upon it.

Four forms of attack upon this system of providing for the University have been made or are making in this Legislature:

1. Bills to repeal the law altogether.
2. Bills reducing the rate of the tax from one to one-half or three-fourths mill.
3. Bills imposing charges on the mill tax fund which do not properly belong there.

4. Bills to appropriate only a part of the total sum provided by the tax.

Of these, the first three will doubtless be defeated in the Legislature.

The fourth form of attack—i e. of refusing to appropriate the full amount of the fund, is the most subtle and dangerous one and the most injurious to all the interests of the State represented in the University.

The full amount provided by the tax is intended for the University. The University needs every dollar of it. The fund can not be legally used for any other purpose.

The effect of refusing to appropriate this money will be: to deprive the University of needed funds; to violate the spirit of the law now upon the statute books; to pile up money in the State Treasury which can be used for no other purpose; and worst of all pave the way for a repeal of the law two years from this date on the ground that the University fund has a large unused balance in it.

It is perfectly proper, of course, for the Legislature to repeal the Mill Tax Law at any time when in the opinion of that body the interests of the State would be advanced by such action.

But it should be done openly and above board with the issue clearly drawn so that every member of the Legislature and every citizen of the State can understand fully what is going on; and then only after full discussion in the Legislature and in the State so that at least as much thought and consideration shall be given to the question of repeal as was given to the passage of the law.

The proposition to leave a large unappropriated balance in the fund is a most insidious and dangerous attack on the whole plan—all the more dangerous when it is favored on the ostensible score of economy.

There is no doubt what the permanent will of the People of the State is on this subject when they once understand the issue.

The repeal of the Mill Tax Law or the practical nullification of it by refusing to appropriate in full the proceeds of the tax will affect profoundly and injuriously every interest of the commonwealth represented in the University and that means the interests of higher education in every department: Agriculture, Engineering, Business, Teaching, Pharmacy, Dentistry, Medicine, and Law.

The Trustees will expend this money along essentially the same lines as during the last biennium, developing the various departments to their highest degree of usefulness; adding the necessary buildings, providing necessary equipment, improving the teaching force, and caring more fully for the physical, moral, and intellectual welfare of the young people commended to their care—now more than 6,000 in number.

If any citizen wishes to know in detail what the Trustees did with the funds of the last biennium a copy of the last Comptroller's report will be sent on request.

The Trustees are asking for the proceeds of the mill tax as the law contemplates—neither more nor less—and that this money be appropriated in a lump sum or in the form already approved by the last Legislature.

(1) Amount of 1912 levy on account of the University mill tax.....	\$ 2,343,673 23
(2) Receipts into Treasury from 1912 tax levy for the University of Illinois mill tax fund up to July 1, 1915.....	2,267,004 17
(3) Amount of 1913 levy on account of the University of Illinois mill tax .....	2,422,361 95
(4) Receipts into State Treasury from the 1913 tax levy for the University of Illinois mill tax fund up to July 1, 1915, (being (3) less 4 per cent of the same for abatements in collections) .....	2,325,467 48
(5) Total receipts into the State Treasury on account of the tax levy for 1912 and 1913 for the University of Illinois mill tax fund .....	4,592,471 65
(6) Appropriation for the biennium beginning July 1, 1913, and closing June 30, 1915, against the tax levies for 1912 and 1913 .....	4,500,000 00
(7) Balance of proceeds of the tax levies of 1912 and 1913 for the benefit of the University of Illinois mill tax fund still unappropriated .....	92,471 65
(8) Amount of 1914 levy on account of University mill tax.....	2,455,745 80
(9) Receipts into the Treasury from 1914 tax levy for the University of Illinois mill tax fund up to July 1, 1915 being (8) less 4 per cent .....	2,357,515 97
(10) Amount of 1915 levy on account of University mill tax fund (estimate of State Auditor Mar. 31, 1915).....	2,700,000 00
(11) Receipts into Treasury from 1915 tax levy for the University of Illinois mill tax fund up to July 1, 1916 (being (10) less 4 per cent .....	2,592,000 00
(12) Total receipts into Treasury from the tax levies of 1914 and 1915 for the University mill tax (being (9) and (11) ).....	4,949,515 97
(13) Total income of the mill tax fund for the biennium July 1, 1915, and ending June 30, 1917—	
(a) Balance unappropriated from the levies of 1912 and 1913.....	\$ 92,471 65
(b) Proceeds of levies for 1914 and 1915....	4,949,515 97

Total ..... \$5,041,987 62

On motion of Mrs. Henrotin, President James was authorized to present this statement to the Appropriation Committees of the General Assembly.

**AUDIT REPORT.**

Mr. Hoit presented, for the Finance Committee, the report of the United States Audit Company for the quarter ending December 31, 1914. This report was received for record.

January 27, 1915.

*Hon. Allen F. Moore, Chairman, Finance Committee, Board of Trustees, University of Illinois.*

DEAR SIR: Following your instructions, we have audited the books and accounts of the University of Illinois at Urbana, Ill., for the second quarter of the fiscal year, ended December 31, 1914.

We are sending you herewith a copy of the report prepared by the Comptroller of the University, Mr. George E. Frazer, covering the quarter under audit.

We have verified the cash receipts, disbursements, and balances as shown on the quarterly report, with the exception of the petty cash funds of the College of Medicine, School of Pharmacy, and Agricultural Experiment Station, totaling \$1,150.

The total disbursements as per disbursement ledger were \$150 in excess of the amount shown by the warrant register. This difference is being investigated by the business office.

Subject to the foregoing remarks, therefore,

We hereby certify that the various schedules as contained in the report of the Comptroller correctly set forth the transactions of the quarter ended December 31, 1914, and that they are in accordance with the books.

Yours very truly,

UNITED STATES AUDIT CO.,

W. B. FLERSHEM,

*Certified Public Accountant.*

**MEETING OF THE FINANCE COMMITTEE, APRIL 9, 1915.**

Mr. Hoit presented also the report of the meeting of the Finance Committee held April 9, 1915.

A meeting of the Finance Committee was held in the Trustees' Room, at the University, in Urbana, on Friday, April 9, 1915, beginning at 3.00 p. m. Mr. Hoit, Chairman, and Mrs. Henrotin, Mr. Hopkins, and Capt. Trevett, members of the committee, were present. Vice President Kinley was present, and, during a part of the afternoon, the retiring Treasurer, Mr. M. W. Busey. Mr. H. E. Cunningham acted as Clerk.

The committee proceeded to the consideration of the following matters referred to it by the board:

**RATE OF INTEREST ON TREASURER'S BALANCES, 1913-15.**

The Clerk read certain correspondence between Treasurer Busey and Mr. Allen F. Moore, former Chairman of the Finance Committee, concerning the rate of interest to be paid on the average daily balances in the hands of the Treasurer, during the biennium just ending.

Treasurer Busey made a statement to the effect that he would suffer financial loss if he were required to pay the two per cent interest, because the funds were tied up by reason of the demands of the Auditor of Public Accounts, during the greater part of his term and the total amount of interest he had been able to collect during the rest of the term did not amount to two per cent on the balances in his hands during the entire term.

Vice President Kinley stated that President James had requested him to call the attention of the committee to two points in this connection; namely, (1) that the budget for the current fiscal year had been made up on the supposition that the two per cent interest would be received [see Minutes, March 2, 1915, page 205]; and (2) the rates of interest received by other institutions [see Minutes, January 30, 1915, page 201].

After discussion of the whole question, the committee voted, on motion of Mr. Hopkins, to recommend to the board that Treasurer Busey be asked to pay interest at the rate of one per cent on the average daily balances in his hands during his term.

**TREASURER'S BOND.**

Mr. Hoit presented the following letter and the bond furnished by Treasurer-elect H. S. Capron:

[Mr. Capron's Letter.]

*Mr. W. L. Abbott, President, Board of Trustees, University of Illinois.*

DEAR MR. ABBOTT: I am enclosing herewith bond in the amount of one million (\$1,000,000) dollars, executed by me and my sureties covering my responsibility as Treasurer of the University of Illinois for the period for which I was elected on the 9th day of March, 1915.

For your information I have to advise that the guarantors represent a responsibility of about \$4,000,000. So that you may know the responsibility of those signing the bond other than those connected with this bank. I have to say that W. S. Van Doren is the owner of 327 acres in Piatt County, Illinois, worth \$200 per acre; 640 acres in Pocahontas County, Iowa, worth \$150 per acre and 678 acres in Missouri worth \$30,000; personal property in the amount of more than \$50,000. Harry Grove owns 420 acres in Champaign County considered worth over \$200 per acre. Gerd Ehler owns 400 acres within a short distance from the corporation limits of Champaign, worth \$250 an acre as well as large acreage in Iowa, Michigan and North Dakota. W. W. Ehler is the owner of 480 acres in Champaign County

worth over \$200 an acre, as well as acreage in Iowa and North Dakota. All are men of highest credit and responsibility.

The Harris responsibility represents at least three million dollars.

Trusting that the bond may be acceptable to the board, I am

Yours respectfully,

H. S. CAPRON.

[BOND.]

Know all men by these presents, that we, Hazen S. Capron, as principal, and Margaret B. Capron, B. F. Harris, May M. Harris, N. M. Harris, Mary B. Harris, Melissa M. Harris, W. S. Van Doren, Harry Grove, Gerd Ehler and W. W. Ehler, as sureties, are held and firmly bound unto the Board of Trustees of the University of Illinois, of Urbana, in the county of Champaign, State of Illinois, in the sum of one million dollars (\$1,000,000) good and lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves and our heirs, executors and administrators, jointly, severally and firmly by these presents.

Witness our hands and seals this 18th day of March, A. D. 1915.

The consideration of this obligation is such that whereas the above bounden Hazen S. Capron was on the 9th day of March, A. D. 1915, duly elected to the office of Treasurer of the University of Illinois, for a period ending on the 9th day of March, A. D. 1917, or until his successor shall be appointed and qualified, and is about to assume the duties of said office.

Now, if the said Hazen S. Capron shall well and truly perform and faithfully discharge the duties of Treasurer of said University of Illinois, during his term of office, and shall faithfully keep and truly account for all moneys, bonds, securities or other property coming into his hands as such Treasurer during his term of office, and at the expiration of his term of office shall pay over to his successor in office, or to any other person duly authorized by the Board of Trustees of said University of Illinois to receive the same, all moneys, bonds, securities or any other property received by him as such Treasurer and not otherwise lawfully paid out or disposed of, and shall deliver to his successor in office or any other person appointed to receive the same, the property, books, papers, and other things in his hands belonging to said office, and shall, at the expiration of his term of office, or oftener, if thereunto requested by the Board of Trustees of said University of Illinois, render a just and true account of his doings as such Treasurer, then this obligation to be null and void; otherwise to remain in full force, effect and virtue.

W. S. VAN DOREN.

HARRY GROVE.

GERD EHLEH.

W. W. EHLEH.

HAZEN S. CAPRON.

MARGARET B. CAPRON.

B. F. HARRIS.

MAY M. HARRIS.

N. M. HARRIS.

MARY B. HARRIS.

MELISSA M. HARRIS.

STATE OF ILLINOIS, }  
COUNTY OF CHAMPAIGN. } ss.

I, W. E. C. Clifford, a notary public, in and for said county, in the State aforesaid, do hereby certify that W. S. Van Doren, Harry Grove, Gerd Ehler, and W. W. Ehler are personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged they signed, sealed and delivered the said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 27th day of March A. D. 1915.

(SEAL)

W. E. C. CLIFFORD, *Notary Public*.

STATE OF ILLINOIS, }  
COUNTY OF CHAMPAIGN. } ss.

I, W. E. C. Clifford, a notary public, in and for said county, in the State aforesaid, do hereby certify, that Hazen S. Capron, Margaret B. Capron, B. F. Harris, May M. Harris, N. M. Harris, Mary B. Harris, Melissa M. Harris, are personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the said instrument as their free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal this 18th day of March A. D. 1915.

(SEAL)

W. E. C. CLIFFORD, *Notary Public*.

O. K. O. A. HARKER, *Legal Counsel*.

On motion of Mr. Hopkins, the committee voted to recommend that Mr. Capron's bond be accepted.

OFFER OF BRONSON PROPERTY.

The committee took no action concerning the offer of the Bronson property at \$25,000. (Minutes, March 9, 1915, page 223.)

PROPERTY IN CHAMPAIGN.

On motion of Capt. Trevett, the committee voted to recommend that the board authorize Mr. F. M. Vanneman to secure options for the purchase of certain land in Champaign. (Minutes, March 9, 1915, page 225.)

APPROPRIATION BILL.

Vice President Kinley presented, for President James, a memorandum on the bill to be introduced into the General Assembly now in session.

[MEMORANDUM FOR THE BOARD OF TRUSTEES IN RE UNIVERSITY  
APPROPRIATION BILL.]

In the memorandum which I laid before you March 5, 1913, concerning the appropriation bill, which was the first to be passed on the basis of the proceeds of

the mill tax for the support of the University (see p. 187 of the 27th report of the Board of Trustees of the University of Illinois for the two years ending June 30, 1914), I stated that the State Auditor had informed us that the tax had been levied for 1912 on a total State assessment of \$2,343,673,232, and that if the mill tax were fully collected it would yield in round numbers \$2,343,673.23. Deducting from that sum four per cent of the amount for costs of collection, ordinary abatements, including errors, insolvencies, forfeitures, commissions, etc., the sum we might expect to realize would be \$2,249,926.

It was upon the basis of this estimate for both years that the bill was finally passed by the Legislature appropriating the sum of \$2,250,000 per annum from the proceeds of the mill tax.

According to the last report of the Auditor of Public Accounts dated December 31, 1914, the net amount realized and paid to the State Treasury on the tax levy of 1912 was \$2,267,004.17 (see statement No. 18, page 125).

This sum was available for the use of the University July 1, 1913, to cover the fiscal year beginning July 1, 1913, and ending June 30, 1914.

At the time the report was made by the Auditor, it was not certain what the total assessed valuation of the property of the State for taxable purposes would amount to for the year 1913, and the Legislature appropriated for that year the same sum as for the preceding—namely, \$2,250,000, or for the biennium \$4,500,000.

The total assessment of State property, however, for the year 1913, rose to \$2,422,361,952, and the mill tax if fully collected would have amounted to \$2,422,361. Making the same deduction as for the preceding year, the amount due the University under the mill tax would have been \$2,325,467, or \$75,000 more than was appropriated, which with the \$17,004 yielded by the mill tax for the first year more than was appropriated, would make a balance in the Treasury unappropriated on June 30, 1915, of \$92,471. According to the Auditor's report, above referred to, for December 31, 1914, statement No. 21, the amount charged to the mill tax, which I take it included the back taxes, as well as the mill tax due on the assessed valuation, amounted to \$2,451,888.66; but the amount collected was only \$2,241,637.62 as stated in that report, representing a deficiency of \$210,251 on collections of the year, or a sum less than the amount appropriated for the year by \$8,363.

This was balanced, however, by the \$17,000 produced by the mill tax fund in excess of the appropriation for the preceding year, so that if there had been no collections later than the date given in the Auditor's report we should have come out with about \$8,000 balance in the amount yielded by the mill tax for the biennium in excess of our estimate.

The sum of \$2,422,361, which would have been yielded by the tax levy of 1913 if it had all been collected, was available for the use of the University from July 1, 1914, to June 30, 1915, and that is the basis upon which we have been running for the fiscal year which closes June 30, 1915.

From later statements from the Auditor's office, it appears that much of this money which was deficient when the statement (No. 21, page 131) was made, has been paid in. From a letter received from him dated March 31, 1915, it appears that on March 1 the unexpended appropriations of the mill tax fund amounted to \$723,993.91. The amount of the University fund on hand in the Treasury at that date was \$934,473.96. There will be, therefore, in the mill tax fund on June 30, 1915, an unappropriated balance of \$210,480.05 from the tax levies of 1912 and 1913.

The tax levy for the year 1914 was based on a total equalized assessment of \$2,455,745,799. The mill tax therefore would yield, not counting cost of collection, \$2,455,745 for the fiscal year beginning July 1, 1915. Deducting four per cent as before, we may reasonably expect the sum of \$2,357,516 from the yield of the mill tax for the said academic year.

The total equalized assessment rose from \$2,343,673,232 in 1912 to \$2,422,361,952 in 1913, and to \$2,455,745,799 in 1914, i. e., it rose about \$80,000,000 in round numbers from 1912 to 1913, and \$35,000,000 from 1913 to 1914.

Under date of March 31, 1915, the Auditor writes, "It is impossible at the present time to estimate what the assessment rolls for 1915, 1916, 1917 will amount to. But I will be greatly disappointed if as a result of the quadrennial assessment on lands and lots, which commences to-morrow, the total assessment of the State is not increased from three to five hundred million dollars. At all events I think it would be safe to count on \$2,700,000 for 1915, and for the ensuing two years the increase as evidenced by past assessments would be from ten to forty million dollars each year. Taking an assessment of \$2,700,000, it would be safe to say that the University mill tax would net \$2,575,000 per annum (from 1915 on)." If we should count only four per cent, the mill tax would yield for the fiscal year beginning July 1, 1916, the sum of \$2,592,000.

Taking the estimate then for the yield of the mill tax for the fiscal year beginning July 1, 1915, at \$2,357,516, and for the fiscal year beginning July 1, 1916, at \$2,592,000, the total expected yield of the mill tax for the biennium would be \$4,949,516, which with the \$210,000 estimated by the Auditors as likely to be in the Treasury unappropriated on June 30, 1915, makes a total of \$5,159,516.

I am proposing to our representatives, therefore, to introduce a bill exactly similar to that passed by the last Legislature, except that in accordance with the vote of the board, I have asked that the appropriation be made in a lump sum, and that the unappropriated balance on hand July 1, 1915, be appropriated for the work of the first year, and the same reads as follows:

#### A BILL

For an Act making appropriations for the University of Illinois.

SECTION 1. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That there be and is hereby appropriated to the University of Illinois for the biennium beginning July 1, 1915, the sum of five million one hundred and fifty-nine thousand five hundred and sixteen dollars (\$5,159,516), pay-

able out of the money paid into the State Treasury and set apart as a fund for the use and maintenance of the University of Illinois, in accordance with an act entitled: "An Act to provide by State tax for a fund for the support and maintenance of the University of Illinois," approved June 10, 1911, in force July 1, 1911, payable as follows:

For maintenance, equipment, general operating expense, purchase of land and erection of buildings, two million five hundred and seventy-nine thousand seven hundred and fifty-eight dollars (\$2,579,758) per annum.

SECTION 2. The appropriations made herein shall be paid only out of moneys paid into the State Treasury and set apart for the use and maintenance of the University of Illinois in accordance with the provisions entitled "An Act to provide by State tax for a fund for the support and maintenance of the University of Illinois," approved June 10, 1911, in force July 1, 1911.

The Auditor of Public Accounts is hereby authorized and directed to draw his warrants from time to time upon the State Treasurer for amounts expended or bills then due, from the sums herein appropriated, payable severally to the persons named, upon the presentation of itemized vouchers therefor, certified to by the President and Secretary of the Board of Trustees of the University of Illinois, with the corporate seal of the University attached thereto.

P. S.—If we accept the Auditor's estimate of \$2,575,000, instead of my estimate of \$2,592,000 for the year beginning July 1, 1916, the total to be appropriated will be \$5,142,516, and the annual sum will be \$2,571,258.

On motion of Capt. Trevett, the committee voted to approve the general scheme of the bill as prepared by President James.

#### EMPLOYMENT OF AUDIT COMPANY.

The chairman was authorized to employ the United States Audit Co. to make the regular quarterly audits of the accounts of the University.

The committee adjourned.

H. E. CUNNINGHAM, *Clerk*.

The report was considered by sections.

#### TREASURER'S BOND APPROVED.

On motion of Mr. Hoit, the bond of Mr. Capron as Treasurer was accepted and approved, and the Secretary was instructed to notify Mr. Busey that Mr. Capron has been elected and qualified as Treasurer and to request Mr. Busey to turn over to Mr. Capron all funds, books, and securities belonging to the University and in his possession, accepting therefor Mr. Capron's receipt as Treasurer.

#### RATE OF INTEREST ON TREASURER'S BALANCES.

Mrs. Henrotin moved that action on the recommendation concerning the rate of interest to be paid by Mr. Busey be deferred.

Mrs. Busey moved as a substitute that the recommendation of the Finance Committee that the rate be fixed at one per cent be concurred in.

This matter was discussed at length. President James advised very strongly that this action be not taken.

At this point Mr. Trevett withdrew, the absence of a quorum having been noted, the board adjourned.

R. F. CARR, *Chairman*.

H. E. CUNNINGHAM, *Secretary*.

### Meeting of the Executive Committee, April 27, 1915.

A meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held at the University, in Urbana, on Tuesday, April 27, 1915, immediately following the adjournment of the meeting of the Board of Trustees on the same date.

Mr. Carr and Mr. Hoit, members of the Executive Committee, and Mrs. Busey, Mrs. Evans, Mrs. Henrotin, and Miss Watson, members of the board, and President James, were present. Mr. Hoit acted as Chairman during the forenoon.

#### MATTERS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY.

The Executive Committee proceeded to the consideration of the following matters presented by President James:

##### DISCONTINUANCE OF INCOME TAX, P. & S. BONDS.

(1) A letter from Mr. L. E. Knorr, Acting Comptroller, enclosing a copy of a letter from Judge O. A. Harker, Legal Counsel, and a copy of a letter from the Comptroller to Dr. F. B. Earle, stating that the University will decline to advance the normal income tax of one per cent on account of interest paid to the holders of the 1901 issue of bonds of the College of Physicians and Surgeons of Chicago:

April 19, 1915.

*Dr. David Kinley, Vice President, University of Illinois.*

DEAR SIR: You will recall that, under the Federal Income Tax Law, we are depositing with the Trustees of the two bond issues of the College of Physicians and Surgeons an amount representing one per cent of the total bond interest paid. From this deposit is paid the normal income tax of one per cent of those bond holders not exempt under the income tax law.

The reason that this deposit seemed necessary was probably the fact that the bonds of the 1912 bond issue specifically provided that bond interest was to be paid to bond holders free from any deductions on account of taxes, etc. However, examination of the bonds of the 1901 bond issue amounting to \$109,000, as well as examination of the trust deed securing this issue, failed to disclose any provision requiring the College of Physicians and Surgeons to guarantee payment of interest against deductions.

I, therefore, submitted a copy of the trust deed, as well as a bond of the 1901 issue, to Judge Harker for an opinion as to whether or not the University was required to make this deposit of one per cent to cover the normal income tax. I am enclosing herewith a copy of the opinion received from Judge Harker to the effect that the University is not required to make this deposit. I am enclosing also a copy of a letter to Dr. Frank B. Earle, trustee for this bond issue, notifying him that the University will no longer make a deposit to care for this normal income tax.

Unless, therefore, there is objection, we will continue to pay the normal income tax on the 1912 bond issue amounting to \$36 per year, but will discontinue to pay the normal income tax on the 1901 bond issue amounting to \$65.40 per year.

Very truly yours,

L. E. KNORR, *Acting Comptroller.*

On motion of Mr. Carr, the action of the Comptroller was approved.

#### LEASE OF McCULLOUGH LAND.

(2) A letter from the Acting Comptroller concerning the leasing from Mr. John McCullough of forty acres of land:

March 22, 1915.

*President Edmund J. James, University of Illinois.*

DEAR SIR: Under authority of the Board of Trustees, I have leased from John McCullough forty acres of land for the period from April 1, 1915, to November 15, 1915, at a rental for the entire period of \$500, payable on or before July 10, 1915. The land is described as the southwest quarter of section 29, township 19, north of range 9, east of the Third Principal Meridian. It is to be used by the Department of Animal Husbandry for grazing purposes.

Very truly yours,

L. E. KNORR, *Acting Comptroller.*

On motion of Mr. Carr, the action of the Comptroller was approved.

#### APPOINTMENT TO COMMITTEE ON CERAMICS.

(3) A letter from Mr. A. E. Huckins, Secretary of the Illinois Clay Manufacturers' Association, stating that the association had nominated Mr. Eben Rogers, of Alton, Ill., for membership on the Advisory Committee on Ceramics, in place of Mr. D. V. Purington, deceased.

On motion of Mr. Carr, Mr. Eben Rogers was appointed a member of the Advisory Committee on Ceramics for the term of one year.

#### BOOK ORDERS FOR 1915-16.

(4) A request from Librarian P. L. Windsor that he be given authority to place orders immediately for the purchase of books to be delivered after July 1, 1915, at a cost of not more than \$15,000, the amount to be charged against the book appropriation for the fiscal year 1915-16; and that similar authority be given for the purchase of books for the library of the College of Medicine, at a cost of not more than \$1,000.

On motion of Mr. Carr, the Librarian was authorized to order books as requested and the sum of \$16,000 was appropriated for this purpose.

#### UNIVERSITIES COMMITTEE ON MEDICAL EDUCATION.

(5) A communication from a committee, of which Dr. Frank Billings was Chairman, concerning certain proposed action in cooperation with Northwestern University, University of Chicago, and Loyola University of Chicago, in the matter of medical education in the State of Illinois.

A self-constituted committee, calling itself the Universities Committee on Medical Education, which I was invited to join, has held certain meetings in Chicago to discuss the possibility of improvements in medical education in the State of Illinois.

I did not accept membership on this committee, and have not attended any of its meetings. They propose certain cooperative action among the four universities: Northwestern University, University of Chicago, Loyola University, and the University of Illinois.

April 9, 1915.

*President Edmund James, University of Illinois, Urbana, Ill.*

DEAR SIR: We, the undersigned Executive Committee of the Universities Committee on Medical Education, respectfully submit the enclosed material for the consideration of your organization.

The points upon which the various organizations are asked to agree are contained in Formal Resolutions I, II, III, IV, and V. We are including, however, the minutes of the preliminary conference at which the Universities Committee was

suggested, and also the first meeting of the authorized Universities Committee of fifteen members.

Will you kindly obtain early consideration of these resolutions, and submit your reply to the Secretary, Dr. Franklin H. Martin, Room 1308, 30 North Michigan Avenue, in order that it may be considered at the next meeting of the committee to be held on April 29, 1915.

It will be desirable, too, that formal action on the part of your board be obtained in approving the personnel of the men appointed by your President to represent you on the Universities Committee of fifteen.

Respectfully submitted,

FRANK BILLINGS, *Chairman.*

ARTHUR DEAN BEVAN.

W. A. EVANS.

A. J. OCHSNER.

FRANKLIN H. MARTIN, *Secretary.*

In order to facilitate the consideration of the matter by the Board of Trustees, the President of the board asked the Attorney General of the State for his opinion as to the authority of the Board of Trustees of the University of Illinois to enter into any such arrangement. The letter is herewith appended, with the opinion of the Attorney General.

URBANA, ILL., April 12, 1915.

Hon. Patrick J. Lucey, Attorney General, Springfield, Ill.

DEAR SIR: By direction of the President of the Board of Trustees of the University of Illinois, I am writing in the absence of President James on account of illness, to ask if you will kindly give your opinion as to the legal rights of, and limitations upon, the University in connection with a proposed agreement between four university medical schools, of which it is suggested that the University of Illinois Medical School be one; whereby the matters contained in the formal resolutions described below shall be a ground of common action for the four universities. At a recent meeting of some representatives from these different institutions, President James not being present, the formal resolutions herewith enclosed were adopted. You will see from an inspection of these formal resolutions that it is proposed that the universities concerned, including the State University, shall agree to act in unison with the other universities on fixing a minimum standard:

1. Of preliminary educational requirements for admission.

2. Of educational requirements and length of period of study for graduation.

It is proposed further that the universities may agree:

1. To influence the State Legislature to authorize the State Board of Health to maintain a standard of admittance to practice in conformity with the standards of the universities.

2. To cooperate in directing the graduate medical teaching of Cook County, that it may be under the educational influence and control of the universities.

These proposed agreements are set forth in greater detail in the attached paper, marked Exhibit A.

The questions on which the President of the Board of Trustees requests your opinion for the guidance of the board are as follows:

1. Is it within the power of the University of Illinois as a State institution, under its charter, to make an agreement with other institutions as to requirements of admission, or requirements of graduation, thus in effect giving to the other institutions, parties to the agreement, a voice in determining admission to and graduation from the University of Illinois.

2. Is it within the province and right of the University of Illinois, a State institution, through its officers to agree with others to influence, or try to influence, the Legislature in matters relating to medical education?

3. Is it within the province or right of the University of Illinois to influence, or try to influence, the State Legislature to require or authorize the State Board of Health to maintain a standard of admission to the practice of medicine in conformity with the requirements of the universities, parties to the agreement?

Trusting that you may find it possible to oblige the University with your opinion at an early date, I am

Respectfully yours,

DAVID KINLEY, *Vice President.*

#### [EXHIBIT A.]

Arrangements which it is proposed shall be entered into by the University of Chicago, Northwestern University, Loyola University, and the University of Illinois.

1. To fix a minimum standard of preliminary educational requirements for admission as follows:

*Resolved*, That this committee recommend for adoption by the medical departments of the four universities represented, that the minimum requirement for admission to each of their respective medical departments, beginning with the academic year 1915, shall be:

(a) A standard four-year high school course, or its equivalent;

(b) Two years of college work which shall include one year's study each of chemistry, physics, and biology as agreed to by the American Medical Association and the Association of American Medical Colleges.

2. With reference to requirements for graduation from medical schools:

"That each (university) agree upon the four-year medical curriculum for their medical departments, beginning with the academic year 1915, as agreed to by the American Medical Association and the Association of American Medical Colleges."

3. With reference to influencing the State Board of Health:

"That the universities agree to unite in an effort to secure one year as a hospital interne, as a requirement of the State Board of Health for license to practice in Illinois after 1920."



Further, that the universities shall attempt to secure legislation which will authorize the State Board of Health to make a standard of license to practice in Illinois which shall be in conformity with the standards adopted by the universities.

April 17, 1915.

*Education: School Officers.*

*Re Board of Trustees of University of Illinois.*

*Hon. David Kinley, Vice President, University of Illinois, Urbana, Ill.*

DEAR SIR: Your communication of the 12th instant with a copy of the main features of an agreement which it is proposed shall be entered into by the Trustees of the University of Illinois with the governing authorities of three other universities, all of which universities are private corporations, has been received.

This proposed agreement relates to the Medical Departments of the University of Illinois, a public corporation governed by State officers elected by the People, and the Medical Departments of the University of Chicago, the Northwestern University, and the Loyola University, private corporations governed by corporation-chosen trustees or directors, and provides for the joint action of these different governing bodies for substantially the following purposes: (1) To fix a minimum standard of preliminary educational requirements for admission to the medical schools of the universities in this State; (2) to fix uniform requirements for graduation from medical schools; (3) to secure a requirement by the State Board of Health that service for one year as a hospital interne will be necessary for a license to practice medicine in Illinois after 1920; (4) to influence the Legislature to authorize the State Board of Health to maintain a standard of admittance to practice medicine in conformity with the standards of the medical schools of the universities of the State.

Upon this statement you request my opinion upon the three following questions:

(1) Is it within the power of the University of Illinois as a State institution, under its charter, to make an agreement with other institutions as to requirements of admission, or requirements of graduation, thus in effect giving to the other institutions, parties to the agreement, a voice in determining admission to and graduation from the University of Illinois?

(2) Is it within the province or right of the University of Illinois, a State institution, through its officers to agree with others to influence, or try to influence, the Legislature in matters relating to medical education?

(3) Is it within the province or right of the University of Illinois to influence, or try to influence, the State Legislature to require or authorize the State Board of Health to maintain a standard of admission to the practice of medicine, in conformity with the requirements of the universities, parties to the agreement?

In reply to your first question I will say that the Trustees of the University of Illinois are State officers, and are now elected by the People of the State. [Hurd's Stat. 1913, p. 2471, chap. 144, pars. 17-18.] These officers were created by the act establishing the institution now called the University of Illinois [Hurd's Stat. 1913, p. 2471, chap. 144, par. 16] a public corporation with power to regulate and control such University. All the powers of said Trustees were defined in the act providing for the organization of this institution. Their general powers as a corporate body are defined in the first section of this act to be found in the public laws of Illinois [Sess. Laws of 1867, p. 123] in the following language:

"That it shall be the duty of the Governor of this State within ten days from the passage of this act, to appoint five trustees, resident in each of the judicial grand divisions of this State, who, together with one additional trustee, resident in each of the congressional districts of this State, to be appointed in like manner, with their associates and successors, shall be a body corporate and politic, to be styled 'The Board of Trustees of the Illinois Industrial University'; and by that name and style shall have perpetual succession, have power to contract and be contracted with, to sue and be sued, to plead and be impleaded, to acquire, hold, and convey real and personal property; to have and use a common seal, and to alter the same at pleasure; to make and establish by-laws, and to alter or repeal the same as they shall deem necessary for the management or government, in all its various departments and relations, of the Illinois Industrial University, for the organization and endowment of which provision is made by this act, said appointments to be subject to approval or rejection by the Senate at its next regular session thereafter, and the appointees to be and they are hereby authorized to act as Trustees as aforesaid, until their successors shall be appointed by the Governor, and such appointment shall be approved by the Senate."

The powers of said trustees with reference to the conduct of said University, the methods of teaching therein, the requirements for admission of students and for the issuing of certificates of attainments to students, however, are defined and limited by sections 7, 8, 9, and 10 of this same act to be found on pages 125, 126, and 127 of the Public Laws of 1867. These sections provide, among other things, that the Board of Trustees may accept the endowment of voluntary professorships or departments in the University, and at any regular meeting of the board may prescribe rules and regulations in relation to such endowments and declare on what general principles they may be admitted, and provides further that they shall, as far as practicable, arrange all the regular and more important courses of study and lectures in the University so that the students may pass through and attend upon them during the six autumn and winter months, and be left to return to their several practical arts and industries at home during the six spring and summer months of the year, or to remain in the University and pursue such optional studies or industrial avocations as such students may elect; provides further that no student shall at any time be allowed to remain in or about the University in idleness or without full mental or industrial occupation; and provides further that no student shall be admitted to instruction in any of the departments of the University who shall not have attained to the age of fifteen years, and who shall not previously undergo a satisfactory examination in each of the branches ordi-

narily taught in the common schools of the State. Said sections further provide that scholarships, under certain conditions, may be issued to the pupils of the common schools in the State, and beyond the limitations of these several sections the power is granted to the Board of Trustees of the Industrial University to prescribe by rules and regulations at a regular meeting of the board the requirements for admission of pupils and the requirements under which they may be allowed to graduate.

The act by which the name of the institution was changed from the Illinois Industrial University to the University of Illinois gave to the University of Illinois the same powers as were formerly legally exercised by the Illinois Industrial University. See par. 16, chap. 144, Hurd's Stats., 1913, p. 2471.

The act of 1873 to be found in paragraphs 17 and 18 of chapter 144, Hurd's Revised Statutes, 1913, page 2471, which changed the method of choosing the Trustees from appointment by the Governor to election by the People, also by the last seven lines in paragraph 18 changed or added to the power of the Trustees in the following language:

"Said Board of Trustees may appoint an Executive Committee of three chosen out of their own number, which committee, when said board is not in session, shall have the management and control of the University and its affairs, and for that purpose shall have and exercise all the powers which are necessary and proper for such object, except in so far as the board may reserve such powers to itself, and any powers granted at any time by said board to such Executive Committee, the board may at any time revoke."

It will be noted that this section of the law limits the membership of this Executive Committee to members of the Board of Trustees duly elected by the People.

By paragraphs 170 to 175, inclusive, of chapter 122, Hurd's Revised Statutes, 1913, page 2215-16, a change was made as to scholarships provided for in section 9 of the original organic act, but expressly provides, in paragraph 174 of this chapter, that these scholarships shall not be available to students in the professional schools and colleges of the University.

There are other statutes which authorize the creation of other departments of the University, as is done by the act of 1909, authorizing the creation of a Mining Engineering Department of the University, but I am unable to find any statute, other than those above cited, which grants or affects the grant of any power to the Board of Trustees of the University of Illinois or to the University of Illinois itself which must act by and through such trustees.

It is a well settled principle of law that public officers can legally exercise only such powers as are expressly granted to them by the law creating such office, and, in addition thereto, such implied powers as are reasonably necessary for the proper and complete performance of the duty or power expressly enjoined or granted, and all laws granting powers to public officers are to be strictly construed. See *City of Chicago v. Hammon*, 115 Ill. App., 183, and *Diederich v. Rose*, 228 Ill., 610.

I am unable to find where any law expressly gives power to the Trustees of the University of Illinois to appoint or substitute, by contract or otherwise, persons other than three of the duly elected Trustees of said University to regulate or fix the requirements for admission to the University or any school or college which is a part thereof. This power cannot be implied, because such implication is negatived by the provision authorizing the appointment of an Executive Committee of three Trustees to control the University when the board is not in session, and by another provision in paragraph 18 of chapter 144 above cited, which provides for the filling of vacancies in the Board of Trustees by the appointment of the Governor.

The right to contract and to be contracted with given to the said Board of Trustees by section 1 of the organic act above quoted must of necessity be limited to contracts relating to the control of the University within the express or implied powers of the said Board of Trustees which are granted by the other sections of the act as above cited. It certainly does not extend to an unlimited power of general contract without reference to the subject matters over which the board is given powers, and hence does not extend to the making of any contract not within such powers expressly or impliedly given. Hence the power of delegating, by contract or otherwise, the authority of the Board of Trustees of the University of Illinois, which is given to that board by this statute, to wit, to regulate and fix the terms of admission and graduation of students in the various colleges and schools of said University, to persons other than Trustees, not being expressly or impliedly given by law, it would seem that the Board of Trustees of said University would not have the authority to make or enter into a contract which directly or indirectly would in effect substitute or delegate this power or a part thereof to the control or discretion of the governing boards or bodies of other universities.

In reply to your second question, I will say that the effect of the contract referred to in this question is to accomplish exactly the purposes which in my answer to your first question is held not to be within the power of the Board of Trustees of the University of Illinois, because the Legislature may from time to time change and alter the powers of the Board of Trustees of this University, and may from time to time change the requirements necessary to acquire medical education in that University. The General Assembly is the source of the existence of said University, and is the source of all its powers. It has no power except as the same has been expressly or impliedly given by the General Assembly of Illinois. The power may now be given to the Board of Trustees to fix these requirements, and this Board of Trustees may desire that the Legislature fix different requirements than are desired by the governing bodies of the other universities, yet this contract, if valid, would require common or joint action of the governing bodies of the University of Illinois with the governing bodies of the other three universities in procuring the Legislature to fix requirements that meet the views or judgments of the other universities, which contract would be delegating

the powers of discretion and judgment to this Board of Trustees of the University of Illinois to the representatives of four different Boards of Trustees.

This answer does not consider the question of public policy involved in bringing together by contract three private corporations with a public corporation acting as a public officer, in influencing another branch of the State Government, in the matter of making laws affecting the whole people, and upon this question it is not necessary, in the conclusion I have reached, to express an opinion.

In reply to your third question I will say that it is in principle the same as the first and second questions, and differs only in the fact that it relates to a contract which would require the University of Illinois to join private corporations in an effort to influence legislation, to control the State Board of Health, another agency of the State Government empowered by the General Assembly to fix the standards of admission to practice medicine in this State, and would again be delegating the powers of the Board of Trustees of the University of Illinois to a body composed, in part of others than such trustees, and would not come within any power expressly or impliedly given by law to the Board of Trustees of the University of Illinois.

As I said before, the question of the validity of a contract on the part of a public officer with private persons or corporations to unite in seeking to influence the General Assembly in the matter of legislating concerning the power of another public officer would necessarily enter into this part of the contract which you submit, but in view of the fact that it is my opinion that the contract is *ultra vires* so far as the University of Illinois is concerned, for the reasons above set forth I refrain from discussing such question.

For the reasons above set forth, it is my opinion that each of the three questions you submit should be answered in the negative.

Very respectfully,

P. J. LUCEY, *Attorney General.*

In view of the opinion of the Attorney General, I recommend that the President of the University be authorized to inform the committee that the University of Illinois is not permitted by law to enter into such an agreement as is proposed.

On motion of Mr. Carr, the recommendation of President James was approved.

#### LEASE OF ROLAND TRACT.

(6) A letter from the Acting Comptroller reporting the leasing of the Roland tract in Champaign [see page 220].

March 27, 1915.

*President Edmund J. James, University of Illinois.*

DEAR SIR: As authorized by the special committee consisting of Mr. Carr, Mr. Trevett, and Prof. White, appointed by the Board of Trustees on March 9, 1915, I have leased from Mr. Anton Roland thirty-two and one-half acres owned by him, situated in William Williamson's Subdivision in Champaign. This lease is dated March 15, 1915, and runs for two years. Rent at the rate of \$700 per annum is to be paid quarterly.

I have also secured from Mr. Roland an option for the purchase of this property at any time within two years. The purchase price is to be \$50,000.

If the Board of Trustees so desires, the lease and option provide that Mr. Roland will extend the said lease and option from March 15, 1917, to July 15, 1917, upon receiving written notice from the Board of Trustees on or before October 15, 1916, that it will exercise its option to purchase. This provides for the Board of Trustees the opportunity of paying for this land, should it desire to purchase, from the funds available for the biennium 1917-19.

Yours very truly,

L. E. KNORR, *Acting Comptroller.*

This report was received for record.

#### FACULTY IN THE COLLEGE OF MEDICINE.

(7) A recommendation that, for purposes of recommending students for graduation from the College of Medicine, the faculty of that college shall consist of all persons of the rank of Assistant Professor and above who have given definite courses of instruction in the College of Medicine during the academic year 1914-15.

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

#### LEAVE OF ABSENCE FOR PROF. FRASER.

(8) A request from Prof. W. J. Fraser of the Department of Dairy Husbandry for a year's leave of absence. This request, which is endorsed by Prof. H. A. Harding, is approved by Dean Davenport in the following letter:

March 19, 1915.

*President Edmund J. James, University of Illinois.*

MY DEAR PRESIDENT JAMES: I am transmitting from the head of the Dairy Department, Dr. Harding, Prof. Fraser's request for a year's leave of absence on half pay to begin September 1, 1915. Prof. Fraser has served the University faithfully for more than twenty years. This is the first real opportunity he has had for getting away, and I hope it may be afforded. I only wish the rules of the University permitted an accumulation of this privilege—of which Prof. Fraser has never been able to avail himself—in such a way that he might go on full salary, but I suppose that is impossible. I, therefore, forward this request and the endorsement of Dr. Harding without further comment than is involved in the statement of my deep appreciation of Prof. Fraser's long and faithful service to us.

Very truly yours,

E. DAVENPORT.

On motion of Mr. Carr, President James was authorized to grant leave of absence on half-pay to Prof. W. J. Fraser for the year beginning September 1, 1915, provided suitable arrangements can be made for his work.

#### ACOUSTICS OF THE AUDITORIUM.

(9) A report from Prof. F. R. Watson on curing the acoustic defects in the Auditorium:

URBANA, ILL., March 16, 1915.

*Prof. J. M. White, Supervising Architect.*

DEAR SIR: The following report on the acoustics of the University Auditorium gives an account not only of the final cure but also a summary of the entire investigation.

The Auditorium is a large structure with its inner surface made up almost entirely of curved walls. Because of its large size and concreted walls with small absorbing power, it was afflicted with both a reverberation and echoes. This unfortunate condition proved beneficial in the respect that it allowed tests of faulty acoustics to be made under exceptionally good conditions. A systematic investigation, avoiding "cut and try" methods of cure, was inaugurated first to ascertain what the acoustical defects were, and then to investigate the methods of cure and apply them to correct the troubles.

Sabine has shown in his classical experiments on architectural acoustics that a reverberation may be corrected by installing sound absorbing materials. Calculations and experiments were made by Sabine's method to determine the amount of material necessary to reduce the reverberation in the Auditorium to a satisfactory point. The main problem, however, was to find the echoes and eliminate them.

The location of walls producing echoes was attempted by a number of methods and finally solved by using an arc light reflector as source of sound. The arc gave forth an intense hissing sound that traveled with the light so that an observer could see where the sound struck and thus locate the echoes. A complete diagnosis of the action of sound was made by this apparatus.

Experiments to improve the acoustics were then carried on in accordance with the results of the diagnosis. Sounding boards of various kinds were tested, the most successful one being of parabolic shape. This was not satisfactory as a permanent arrangement since it was suited for only a single speaker in a fixed position. Canvases were hung in various positions to determine the effect of cutting off certain walls from the action of sound. Absorbing materials were also hung at critical points suggested by the analysis. The provisional cure was brought about when four large canvases were hung in the dome. For the first time speakers could talk with comparative ease without suffering great annoyance from echoes.

From the acoustical standpoint the Auditorium was then in fairly satisfactory shape. The canvas curtains, however, were very unsightly and did not accord with the architectural features of the room. Steps were then taken to find an arrangement that would satisfy both the acoustical and architectural requirements. Calculations were made by Sabine's method to determine the amount of hairfelt necessary to cure the reverberation. Unfortunately this amount was not sufficient to cover all the walls producing echoes. It was desirable to eliminate the echoes but it was risky to install too much absorbing material and make the Auditorium too dead for sound.

In the face of this difficulty it was decided to carry on further experiments before attempting the final cure. One of the large curved walls was covered with vertical strips of hairfelt 30 inches wide placed 30 inches apart with bare wall space between them. This arrangement had several advantages. It maintained the curvature of the wall and used only half the material necessary to cover the surface completely. Also, it was theoretically more effective in breaking up the incident sound because the portions of the waves striking the felt strips were strongly absorbed and changed in phase. The results obtained were encouraging though not as marked in diminishing the echoes as anticipated. Another wall was therefore padded in a similar way except that the felt strips were installed one foot out from the surface. This would allow the felt to act on both the incident and reflected waves and thus more thoroughly modify the regularity of the sound. The dome surface was also treated, the felt being mounted in radial strips placed 18 inches from the ceiling at the edge of the skylight and gradually nearing the wall until it touched at the crown of the arches.

The material used was Akustikos felt developed by the Johns-Manville Company under the direction of Prof. Sabine. The felt has excellent sound absorbing qualities and, in addition, is fireproof and vermin proof. It is installed by a special process and covered with a rep of suitable color so that it presents a final satisfactory appearance. The Johns-Manville Company agreed to install their felt at cost price because of the advertisement that would come to them in curing with their material the notoriously bad acoustics of the Auditorium.

I have been interested in making an estimate of the amount of money saved on the installation. According to Sabine's method we should have installed 6,300 square feet of the Akustikos felt. The usual charge made by the Johns-Manville Company for this felt is from 40 cents to \$1.00 or more per square foot depending on the difficulty of installing the material and the amount of expert investigation of the problem. A conservative estimate for the Auditorium, which was not only an unusual case acoustically but also one in which the installation of material would be difficult, would be 75 cents per square foot, or a total cost of \$4.725.

Now we saved in two ways. We obtained the felt and expert labor of installation at cost price, and also, by mounting the material out from the walls so that

its absorbing power was nearly doubled, we used only 3,315 square feet of felt instead of 6,300 square feet. We paid the Johns-Manville Company \$1,135.28 for materials and labor. To this should be added \$1,400 for the cost of scaffolding and wooden ribs constructed for mounting the felt, a total of \$2,535.28, or a saving of at least \$2,186.72. The likelihood is that we should have paid \$1 per square foot for the felt, thus making the saving somewhere between \$3,000 and \$4,000, instead of the conservative estimate as shown.

Other changes were made in the Auditorium. A pipe organ was installed, the lighting system was changed, and the interior was redecorated. All of these modifications affected the acoustics and were considered when calculating the amount of hairfelt to be used.

The results obtained have been generally satisfactory. The remodeled Auditorium has been used almost continuously under varied conditions for music and speaking and has been found to have acceptable acoustics. A speaker with a moderate voice can be heard and understood by auditors in the most distant seats. According to experts, the music of the pipe organ is satisfactorily rendered. The room is suited also for orchestra music although for this case the carpet is removed from the stage so as to provide a sounding board for the instruments. The reverberation is not excessive even when no audience is present so that rehearsals may be conducted under favorable conditions. Several instances of echoes have been reported but these do not appear to prevent the words of the speaker being understood.

While the best evidence for the improved conditions was furnished by the favorable opinion of auditors, it was deemed desirable to get additional information by experiment. Accordingly, the time of reverberation was determined experimentally by Sabine's method and proved to have the acceptable value of 1.81 seconds with an average audience of 1,200 people. Calculations showed that the absorbing power of the hairfelt was increased by mounting it out from the walls. Echoes were tested by the arc light reflector. The padded walls diminished the sound to such an extent that they produced little trouble, but several unpadded walls of comparatively small area produced echoes under particular conditions. For instance, when the speaker faces such a wall so that the auditor can see the profile of his face, an echo is perceptible. This is because the sound passing directly to the auditor is diminished while that reflected from the wall is augmented.

Aside from these weak echoes the acoustics appear to be satisfactory. It may be well to consider the future possibility of padding the pendentives in the dome. I call attention again to the desirability of placing a cork carpet, or similar material, in the front lobby and on the stairs leading to the balcony.

Respectfully submitted,

F. R. WATSON, *Assistant Professor of Physics.*

This report was received for record.

#### STATE LEADER IN JUNIOR EXTENSION.

(10) A recommendation that Mr. James H. Greene, of LaGrange, Ind., be appointed State Leader in Junior Extension (boys' and girls' club work) in cooperation with the United States Department of Agriculture, under the terms of our articles of agreement with that department, at a salary of \$1,800 a year, on twelve months' basis, for a term of two years beginning July 1, 1915. The understanding with the Department of Agriculture at present provides that the department shall pay one-half the salary and expenses.

On motion of Mr. Carr, this appointment was made.

#### AUTHORITY TO CONFER DEGREES IN PHARMACY.

(11) A request for authority to confer the degree of Graduate in Pharmacy (Ph.G.) on the following persons recommended by the Faculty of the School of Pharmacy:

Richard Joel Anderson.  
Samuel Leon Baker.  
Mike Robert Bianco.  
Frederick Evenson Boehm.  
Marshall Theodore Brekke.  
Walter Otto Buckrucker.  
Guy Brooks Davis.  
Ray Robbins Davis.  
Grover Oliver Draiss.  
Harry Leo Eberly.  
Roy Fred Fraser.  
Victor Leo Gelspitz.  
Louis Andrew Gorham.  
Louis Leo Haffner.  
Ralph Hawthorne.  
Michael Jacobson.  
George William Jndrich.  
Archie Kirkwood Johnson.  
Joseph John Kakacek.  
Rudolph Henry Krebs.

Theodore August Joseph Leckband.  
Charles James Lesko.  
Stephen Edward Malkewicz.  
Bates A. Marriott.  
Philip Aloysius Masterson.  
Franklin Christopher Mueller.  
Frank Charles Niemeyer.  
Oswald Edward Fred Obermiller.  
Joseph Winfred Rayercraft.  
Robert Charles Reed.  
Harold Franklin Seeger.  
Bayard Edwin Simmons.  
Ernest Lee Slinkard.  
Clifford Ross Spalding.  
August Ferdinand Stahl, Jr.  
Stewart Strain.  
Roy William Woelffer.  
Lawson Jacob Cooke, (Class '13).  
Fred Lehman Leib (Class of '14).  
Lillian Vorsanger, (Class of '12).

On motion of Mr. Garr, authority to confer degrees in Pharmacy was granted.

At this point, the Executive Committee took a recess, for luncheon, until 2.00 p. m.

### Afternoon Session, April 27, 1915.

When the Executive Committee resumed its session, after luncheon, all the members of the committee were present, namely, Mr. Abbott, Mr. Carr, and Mr. Hoit; also Mrs. Busey, Mrs. Evans, and Miss Watson, members of the board, and President James. During a part of the afternoon, Prof. J. M. White, Supervising Architect, was present.

#### MATTERS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY.

The committee continued its consideration of matters presented by President James.

##### REQUIREMENTS FOR ADMISSION.

(12) A recommendation of the University Senate that the following changes in the requirements for admission, Lists B and C as outlined on pages 71 and 72 of the Annual Register for 1914-15, be made:

##### DOMESTIC SCIENCE.

That the item in List C which now reads "Domestic Science, 36 weeks, 1 unit" be amended to read "Domestic Science, 36 to 72 weeks, 1 to 2 units."

##### PHYSICS.

That the item in List B which now reads "Physics, 36 weeks, 1 unit" be amended to read "Physics, 36 to 72 weeks, 1 to 2 units."

##### SPANISH.

That the item in List B which now reads "Spanish, 36 to 72 weeks, 1 to 2 units" be amended to read "Spanish, 36 to 144 weeks, 1 to 4 units."

The effect of these changes is to permit a high school student to elect a larger amount of work in these subjects and to receive correspondingly greater credit for admission to the University.

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

##### RESIGNATION OF PROF. I. O. BAKER.

(13) A letter from Dr. Ira O. Baker, Professor of Civil Engineering, resigning his position as head of the Department of Civil Engineering, with a request that he be allowed to continue as Professor of Civil Engineering at his present salary.

On motion of Mr. Carr, Prof. Baker's resignation as head of the department was accepted, with the understanding that he is to continue as Professor of Civil Engineering at his present salary.

##### RESOLUTIONS CONCERNING DR. BAKER.

On motion of Mr. Hoit, the following resolutions were adopted:

WHEREAS, Dr. Ira Osborn Baker has served the University continuously for forty-one years as Instructor, Assistant Professor, and Professor of Civil Engineering, and thirty-seven years as head of the Department of Civil Engineering; and

WHEREAS, Dr. Baker's resignation as head of the Department of Civil Engineering has just been received and accepted; therefore, be it

*Resolved*, That the President and the Board of Trustees of the University of Illinois express to Dr. Baker their appreciation of the notable service that he has rendered the Department of Civil Engineering, the College of Engineering, the University, and the engineering profession through his development of a great department, his interest in education, and his contributions to the literature of Civil Engineering.

##### APPOINTMENT OF MR. F. H. NEWELL.

(14) A recommendation from Prof. C. R. Richards, Acting Dean of the College of Engineering, endorsed by Dean W. F. M. Goss, that Mr. Frederick Haynes Newell be appointed Professor of Civil Engineering and head of the Department of Civil Engineering at a salary of \$5,000 a year, beginning as soon as he may report for duty.

On motion of Mr. Carr, Mr. Newell was appointed.

##### COMBINED COURSE IN LIBERAL ARTS AND LAW.

(15) A recommendation from the University Senate concerning the combined course in Liberal Arts and Law. The Senate recommends:

*First*—A student who has senior standing in the College of Liberal Arts and Sciences may take and count the first full year of law work for 30 hours of credit toward the A.B. degree, or, if he takes and successfully carries less than the full amount, it shall be counted only hour for hour toward the A.B. degree. If the bulk of the student's work in any semester is in law, he shall register in the College of Law. The College of Liberal Arts and Sciences shall not recommend for the A.B. degree any student who has not been one year in residence at the University.

*Second*—That law work, when taken as above, may be offered as a minor at the election of the student, under the proposed new requirements of the College of Liberal Arts and Sciences for the degree of Bachelor of Arts.

*Third*—That the present requirement, that candidates for the degree of Doctor of Law who are pursuing the combined course in literature and law shall take at least four hours' work in history or social science during the fourth year, be abrogated.

These recommendations were approved.

#### COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION.

(16) A recommendation of the University Senate concerning the organization of the new College of Commerce and Business Administration. The Senate recommends:

1. That such a college be opened next autumn under the name of the College of Commerce and Business Administration.

That the different lines of work in said college now included under the Administrative Department of Economics be divided into separate departments as follows:

a. Department of Economics, Finance, and Statistics.  
b. Department of Business Organization and Operation. (This would include the work in business law, accountancy, salesmanship, and advertising).  
c. Department of Transportation.

3. That programs of study be offered in the following lines:

a. Mercantile Business.  
b. Banking.  
c. Insurance.  
d. Accounting.  
e. Railway Traffic and Accounting.  
f. Railway Transportation.  
g. Foreign Commerce.  
h. Salesmanship and Superintendence in Engineering and Business Houses. (In cooperation with the College of Engineering.)  
i. Farm Organization and Management. (In cooperation with the College of Agriculture.)  
j. Commercial Secretaryships.  
k. Commercial Teaching.

4. Business and Law. (In cooperation with the College of Law.)

4. That for admission to the new College of Commerce and Business Administration the entrance requirements for any of the other colleges of the University be accepted.

5. That the courses in the Department of Economics, Finance, and Statistics which are of a general educational character shall be educationally classified in the College of Liberal Arts and Sciences also, and open as major or minor subjects, or free electives.

6. That the degree of Bachelor of Science be given to students completing any one of the courses in this college: provided that students now taking business courses in the University be graduated with the degree to which they would be at present entitled if they pursue the courses now outlined or a substantial equivalent.

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

#### WOMEN'S RESIDENCE HALL.

(7) Provisional plans for the proposed Residence Hall for women.

Prof. J. M. White, Supervising Architect, explained the plans in detail. These plans were discussed at length. On motion of Mr. Carr, the general scheme embodied in the plans was approved, and the Supervising Architect was directed to proceed with detailed plans.

#### SMITH-LEVER FUND.

(18) A request from the Acting Comptroller for authority to establish a new fund in the books of the University, to be known as the Smith-Lever Fund.

*April 13, 1915.*

*Dr. David Kinley, Vice President, University of Illinois.*

DEAR SIR: The regulations prescribed by the Department of Agriculture concerning the manner in which disbursements of Lever Funds are to be accounted for and audited seem to make necessary the establishment of a distinct fund. The department informs me that the Lever Funds will be subject to the same inspection as are the Hatch and Adams Funds. The department objected, however, to the inclusion of the Lever Funds with the Hatch and Adams Funds under our present United States Agricultural Experiment Station Fund. The only alternative seems, therefore, to be the creation of a new fund.

I recommended that the Board of Trustees authorize the establishment of a new fund to be known as the "Smith-Lever Fund." All receipts and disbursements under the so-called Smith-Lever Agricultural Extension Act are to be accounted for under this fund.

Yours very truly,

L. E. KNORR, *Acting Comptroller.*

On motion of Mr. Carr, this request was granted.

#### ADMISSION TO C. P. A. EXAMINATIONS.

(19) A recommendation from the University Committee on Accountancy suggesting an amendment to the regulation adopted on July 11, 1914 [page 10], concerning the requirements for admission to the C. P. A. examinations. The committee recommends that the words "or individuals" in paragraph (e) be stricken out, so that the paragraph shall read:

"A certificate showing that the applicant has passed examinations on the subject-matter of a four-year high school course, under the supervision and direction of educational bodies whose certificate would be accepted for admission to the University of Illinois."

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

#### PLYM FELLOWSHIP AWARDED.

(20) A recommendation from Acting Dean C. R. Richards that Mr. A. R. Brandner, who has been nominated by the committee on the Francis J. Plym Fellowship in Architecture, be awarded the Plym Fellowship for the year 1915-16, in accordance with the usual regulations governing this fellowship.

On motion of Mr. Hoit, the Plym Fellowship was awarded to Mr. Brandner.

#### SETTLEMENT FOR ADDITION TO LIBRARY BUILDING.

(21) A recommendation from Prof. J. M. White, Supervising Architect, that a final settlement be made with Mr. A. W. Stoolman, contractor for the addition to the Library Building, upon the basis of a payment of \$289.42.

On motion of Mr. Hoit, this recommendation was approved and the necessary appropriation was made.

#### FIXED INDEBTEDNESS, COLLEGE OF MEDICINE.

(22) A statement from the Acting Comptroller concerning the fixed indebtedness secured by the properties of the College of Medicine and Dentistry.

March 16, 1915.

President Edmund J. James, University of Illinois.

DEAR SIR: For your convenience, the enclosed schedule shows in condensed form the fixed indebtedness secured by our Medical and Dental properties, as well as the amounts which presumably will be paid by the University of Illinois during the remainder of the present fiscal year and during the fiscal years 1915-16 and 1916-17.

It should be noted that, while no installment of the amount due to the Chicago Board of Education is due this fiscal year, the entire principal amount of \$56,000 is due on July 1, 1916. If this principal is met at that time, the entire amount necessary to meet the obligations on account of this fixed indebtedness during the biennium 1915-17 will be \$79,358.84.

Inasmuch as the bonds state that interest shall be paid to the holders of the bonds, free from any deductions on account of taxes, etc., it is necessary for the University to deposit, on account of the Normal Income Tax, an amount equal to one per cent of the interest paid. Approximately fifty per cent of this income tax deposit is returned to the University.

Of the total bond interest paid, the amount of \$528 is returned to the University on account of bonds held by it.

The item "charges of fiscal agents" consists of a charge of one-fourth of one per cent on account of payment of coupons, and a charge of one-eighth of one per cent for reporting to the Federal Government under the Income Tax Law.

Yours very truly,

L. E. KNORR, Acting Comptroller.

#### FIXED INDEBTEDNESS, COLLEGE OF PHYSICIANS AND SURGEONS.

Date issued.	Date due.	Description.	Amount.	Amount due July 1, 1915.	Amount due 1915-16.	Amount due 1916-17.
July 1, 1912	July 1, 1932	6 per cent gold bonds, first mortgage on Medical property....	\$ 60,000 00	.....	.....	.....
July 1, 1911	July 1, 1916	Board of Education notes, first mortgage on Dental property.	56,000 00	.....	\$56,000 00	.....
July 1, 1901	July 1, 1921	"High School" bonds, 6 per cent second mortgage on Dental property .....	109,000 00	.....	.....	.....
July 1, 1911	.....	Board of Education interest notes—				
		Note No. 8.....		\$1,400 00	.....	.....
		Note No. 9.....			1,400 00	.....
		Note No. 10.....			1,400 00	.....
		Bond interest—				
		On first mortgage bonds.....		1,800 00	3,600 00	\$3,600 00
		On "High School" bonds.....		3,270 00	6,540 00	6,540 00
		Normal income tax.....		50 70	101 40	101 40
		Charges of fiscal agent.....		19 01	38 02	38 02
		Total.. ..	\$225,000 00	\$6,539 71	\$69,079 42	\$10,279 42

This statement was received for record.



**STREET CAR LINE ON LINCOLN AVENUE.**

(23) A request from the Urbana and Champaign Railway, Gas, and Electric Company that the University assist in obtaining a franchise for a street car track on Lincoln Avenue, by signing the petition to the Honorable Mayor and City Council of the city of Urbana, to grant to the said Urbana and Champaign Railway, Gas, and Electric Company, the right, license, and franchise to build, construct, operate, and maintain a street railway on Lincoln Avenue running in the parking on the west side of Lincoln Avenue from the north edge of the Forestry of the University of Illinois to Pennsylvania Avenue on the south.

On motion of Mr. Hoit, this request was referred to the Committee on Buildings and Grounds for consideration and report.

**DRAFT OF ADDRESS TO THE GENERAL ASSEMBLY.**

(24) The draft of an address to the General Assembly in regard to the requests of the Board for appropriations for the coming biennium, to be presented by the President of the University.

On motion of Mr. Carr, the address was approved and President James was authorized to present it to the General Assembly.

**EXPENSES OF CADETS AT SUMMER CAMP.**

(25) A request from Maj. F. D. Webster, Commandant, that the University pay the expenses of certain cadets, not to exceed twelve, to be selected by the Commandant, to enable them to attend the Summer Military Camp at Ludington, Mich. The expense involved is about \$50 each.

No action was taken concerning this matter.

**ORGANIZATION OF ADDITIONAL BATTALION OF CADETS.**

(26) A request from Maj. F. D. Webster, Commandant, for authority to organize another Battalion of Cadets.

*April 24, 1915.*

*President E. J. James, University of Illinois.*

SIR: I desire to make the following recommendations to be placed before the Board of Trustees at its next meeting:

1. That I be authorized to make another Battalion in the Corps of Cadets next year, making two complete regiments of twelve companies each.

2. That I be authorized to organize a company of Engineers in addition to the Battery and Signal Company, now a part of the military organization. This can readily be done with the excellent material at hand among the students of the Engineering College who are members of the Corps of Cadets.

3. That I be authorized to organize a Hospital Company or detachment which is necessary to a brigade organization, and will enable us to have proper instruction in first aid, and camp and field sanitation.

4. That for this purpose the following additional scholarships for officers be authorized:

Infantry .....	17
Engineers .....	4
Hospital Company .....	3

Total ..... 24

This number will be necessary to officer the organizations recommended.

Very respectfully,

F. D. WEBSTER,

*Major of Infantry, Professor of Military Science.*

On motion of Mr. Carr, the request of the Commandant was granted, and the necessary appropriation was made.

**INVITATION TO AMERICAN CHEMICAL SOCIETY.**

(27) A letter from Prof. W. A. Noyes concerning an invitation to the American Chemical Society to meet at the University during the year 1915-16.

*April 26, 1915.*

*President E. J. James, University of Illinois.*

DEAR PRESIDENT JAMES: The staff of the Department of Chemistry wish to invite the American Chemical Society to meet here during the spring of 1916, probably at the time of the Easter vacation, and to make this the occasion for the dedication of the addition to the Chemical Laboratory. Such a meeting would probably bring to us from 400 to 500 chemists from outside of the University circle, and would give us an attendance at the dedication exercises which could be secured in no other way. If the invitation is extended, we should hope that the Trustees of the University would feel disposed to appropriate for the occasion an amount similar to that which has been appropriated for the dedication exercises of other buildings of like importance. It seems desirable that the invitation should be sent to the secretary of the society soon and I would respectfully request the Trustees of the University to extend such an invitation at the present time. The question of the appropriation which could be made for the occasion might be taken up later when you can give it more careful consideration.

Very respectfully,

W. A. NOYES.

On motion of Mr. Carr, President James was authorized to extend such an invitation to the American Chemical Society.

**FURNISHINGS FOR ADMINISTRATION BUILDING.**

(28) A request from Prof. J. M. White, Supervising Architect, for authority to proceed with the purchase of the furnishings for the Administration Building at a total cost, for furniture, light fixtures, shades, window screens, linoleum, et cetera, of not more than \$15,000. The expenditures prior to July 1 can be paid out of the appropriation already made for the building.

On motion of Mr. Carr, Prof. White was authorized to purchase the necessary furnishings for the Administration Building, and the sum of \$15,000 was appropriated therefor.

**MR. W. B. CASTENHOLZ APPOINTED COMPTROLLER.**

(29) A recommendation that the President of the University be authorized to appoint Mr. W. B. Castenholz to be Instructor in Accounting and Comptroller of the University, at a salary of \$250 per month, until further notice.

Mr. Castenholz took his bachelor's degree at the University of Indiana and the degree of master of arts from the University of Wisconsin in 1903. He has had experience as a teacher in high schools. He was for five years secretary-treasurer of the Chippewa Falls Furniture Company, and in that capacity had complete charge of all accounting, cost work, office details, credits, and collections. He was for half a year public accountant and auditor with Marwick, Mitchell, and Company, and three years with Lybrand, Ross Brothers, and Montgomery at their Chicago office. He was also one and one-half years auditor of the American Milling Company, Peoria, Ill., in complete charge of accounting and cost work, office system, etc. Mr. Castenholz comes with unusually good recommendations from the University of Wisconsin and from the companies with which he has worked.

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

**PAYMENT OF EXPENSES OF MEMBERS OF FACULTY IN MEDICINE WHO ATTEND COMMENCEMENT IN URBANA.**

(30) A request from Dr. D. A. K. Steele, Senior Dean of the College of Medicine, that an appropriation be made for the transportation of those members of the Faculty of the College of Medicine who may attend the Commencement exercises in Urbana on June 16.

On motion of Mr. Carr, the sum of \$250 was appropriated, to make a total of \$900 available to meet the expenses of students and Faculty of the Colleges of Medicine and Dentistry who may attend Commencement in Urbana [see page 192].

**USE OF AUDITORIUM BY STATE TEACHERS' ASSOCIATION.**

(31) A request from the East Central Illinois Branch of the State Teachers' Association for the use of the Auditorium October 15 and 16, 1915, without fee. This request was granted.

**CALL EXTENDED TO PROF. L. D. COFFMAN.**

(32) A communication from Prof. W. C. Bagley, Director of the School of Education, stating that Prof. Lotus D. Coffman had received a call to the University of Minnesota at a considerably higher salary than he has at the University of Illinois. Prof. Bagley states that he desires to have his own work in the University diminished and that he would be willing to accept a corresponding diminution in salary, and suggests that an arrangement might be made whereby Dr. Coffman would assume part of the work of the Director of the School of Education, in which case some adjustment in salary might be made, so that we could retain Dr. Coffman's services.

On motion of Mr. Carr, President James was authorized to make such arrangement with Prof. Bagley and Prof. Coffman as he might find advisable.

**MEMORIAL TO PROF. FECHÉT.**

(33) A request from a committee constituted in 1911 to propose plans and raise subscriptions to establish a memorial to the former Military Commandant, Col. E. G. Fechét. This committee, consisting of Dean T. A. Clark, Prof. N. A. Wells, Serg. F. W. Post, Capt. J. R. Trevett, three officers of the Cadet Corps, and Prof. S. A. Forbes, selected a portrait medallion with a suitable inscription, raised the funds from members of the University and citizens of the community, and contracted with a sculptor, Leonard Crunnel of Chicago, for the medallion. The memorial will take the form of a bronze tablet, 30 by 40 inches, bearing the following inscription:

Edmund Gustave Fechét, Lieutenant Colonel, U. S. A.

Soldier of the Civil and Indian Wars.

Professor of Military Science, University of Illinois, 1900-10.

On motion of Mr. Carr, the Fechét memorial tablet was accepted with thanks, to be placed in the Armory at a place selected by the Supervising Architect, and to be unveiled with appropriate ceremonies during Commencement.

**AUTHORITY TO DELEGATE SIGNING OF WARRANTS.**

(34) A recommendation that the President of the board, Mr. W. L. Abbott, be authorized to delegate to Mr. L. E. Knorr, Assistant Comptroller, the signing of his name as President to University warrants, such authority to take effect as of March 9, 1915.

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

**STANDING COMMITTEES, 1915-16.**

The Secretary of the board presented for record the following list of the Standing Committees of the board appointed by President Abbott for the year 1915-16:

**BUILDINGS AND GROUNDS.**

William M. Abbott, Chairman; Mary E. Busey, Robert F. Carr, Laura B. Evans, Robert R. Ward.

**FINANCE.**

Otis W. Hoit, Chairman; Ellen M. Henrotin, J. K. Hopkins, John R. Trevett, Robert R. Ward.

**ENGINEERING.**

John R. Trevett, Chairman; Robert F. Carr, William L. Abbott.

**AGRICULTURE.**

James K. Hopkins, Chairman; Otis W. Hoit, John R. Trevett.

**COLLEGE OF MEDICINE AND SCHOOL OF PHARMACY.**

Laura B. Evans, Chairman; William L. Abbott, Otis W. Hoit.

**STUDENTS' WELFARE.**

Ellen M. Henrotin, Chairman; Mary E. Busey, Laura B. Evans, Florence E. Watson.

**INSTRUCTION.**

Francis G. Blair, Chairman; Robert R. Ward, Florence E. Watson.

**LIBRARY.**

Mary E. Busey, Chairman; Ellen M. Henrotin, Florence E. Watson.

**GRADUATE SCHOLARS AND FELLOWS, 1915-16.**

The Secretary presented also for record the following list of scholars and fellows in the Graduate School appointed by the President and Vice President of the University for the academic year 1915-16:

Agronomy .....	William A. Albrecht, fellowship.....	\$350 00
Animal Husbandry .....	W. G. Kammlade, scholarship.....	250 00
	Julius E. Nordby, scholarship.....	250 00
	D. W. Williams, scholarship.....	250 00
Bacteriology .....	L. V. Burton, traveling fellowship.....	500 00
Botany .....	John A. Elliott, fellowship.....	400 00
	Elizabeth H. Fleeson, scholarship.....	250 00
	Ernest M. R. Lamkey, fellowship.....	350 00
	Walter S. Reeves, scholarship.....	250 00
Chemistry .....	Theodore R. Ball, fellowship.....	400 00
	St. Elmo Brady, fellowship.....	400 00
	E. M. A. Chandler, fellowship.....	300 00
	Edgar W. Engle, fellowship.....	400 00
	Carl S. Marvel, scholarship.....	250 00
	Clarence Scholl, fellowship.....	400 00
Classics .....	Margaret Olmsted, scholarship.....	250 00
	Mary L. Trowbridge, scholarship.....	250 00
Economics .....	Fred E. Clark, fellowship.....	400 00
	Clare E. Griffin, fellowship.....	350 00
	Burley F. Lamb, fellowship.....	400 00
	Kathryn Maddock, scholarship.....	250 00
	Charles J. Stowell, fellowship.....	350 00
Education .....	Joseph H. Johnston, fellowship.....	350 00
	Theodore S. Henry, stipendary.....	100 00
Engineering .....	A. J. A. Anderson, fellowship.....	350 00
	Roland E. Hart, scholarship.....	250 00
	Charles Jablow, scholarship.....	250 00
	Robert C. Matthews, scholarship.....	250 00
	Harold M. Westergaard, fellowship.....	500 00
English .....	Delmar G. Cooke, fellowship.....	350 00
	Levette J. Davidson, scholarship.....	250 00
	Elizabeth G. Fuller, scholarship.....	250 00
	Effie Morgan, scholarship.....	250 00
	Edith I. Sendenburgh, scholarship.....	250 00
	Merle A. Sweney, scholarship.....	250 00
	Winifred Vickrey, scholarship.....	250 00

Entomology	Philip Garman, fellowship	\$400 00
	J. Lionel King, scholarship	250 00
	Edwin K. Parker, scholarship	250 00
	William A. Peterson, fellowship	400 00
	L. B. Ripley, scholarship	250 00
German	Daniel F. Pasmore, fellowship	400 00
	Ralf T. Runge, fellowship	350 00
	Olive Harris, scholarship	250 00
History	William R. Bigger, scholarship	250 00
	Jacob A. Hofto, fellowship	350 00
	Walter W. Jennings, scholarship	250 00
	Franklin C. Palm, fellowship	300 00
	Robert R. Russell, fellowship	300 00
	Wayne E. Stevens, fellowship	450 00
Horticulture	Newton K. Partridge, fellowship	350 00
Household Science	Bernice Wait, scholarship	250 00
Mathematics	Ismar Baruch, scholarship	250 00
	William H. Cullum, scholarship	250 00
	Clarence M. Hebbert, fellowship	350 00
	Temple R. Hollcroft, fellowship	350 00
	Forrest H. Murray, scholarship	250 00
	Merlin G. Smith, scholarship	250 00
	Harriet Scofield, scholarship	250 00
Philosophy	Harry Amsterdam, scholarship	250 00
	Ethel E. Sabin, fellowship	450 00
Physics	Harry T. Booth, scholarship	250 00
	Sylvan J. Crooker, fellowship	350 00
	E. Frances Seiler, scholarship	250 00
Political Science	Nels H. Debel, fellowship	400 00
	Frederic H. Guild, fellowship	450 00
	Ernest J. Smith, scholarship	250 00
Psychology	Laura M. Chassell, fellowship	350 00
	Helen Clark, fellowship	400 00
Romance Languages	Otho W. Allen, scholarship	250 00
Zoology	Arthur R. Cooper, fellowship	500 00
	Lillian D. Dole, scholarship	250 00
	Ruth Higley, fellowship	300 00
	Minna E. Jewell, fellowship	350 00
	Morris J. Kernall, fellowship	400 00
	Ralph H. Linkins, fellowship	400 00
	Horace W. Stunkard, fellowship	400 00

#### RESEARCH FELLOWSHIPS IN THE ENGINEERING EXPERIMENT STATION.

William A. Manuel—Research fellowship (September 1, 1915-June 30, 1917), \$500 a year.
Benito R. Ordonez—Research fellowship (September 1, 1915-June 30, 1917), \$500 a year.
Wendell H. Palmer—Research fellowship (September 1, 1915-June 30, 1917), \$500 a year.
Richard L. Templin—Research fellowship (September 1, 1915-June 30, 1917), \$500 a year.
Camillo Weiss—Research fellowship (September 1, 1915-June 30, 1917), \$500 a year.

#### SUMMER SESSION APPOINTMENTS.

The Secretary presented also for record the list of the instructional staff for the Summer Session of 1915:

Department and name.	Salary.	
<b>Agriculture.</b>		
Smith, Louie H., Professor (half-time)	\$250 00	
Jamison, Albert W., Associate (half-time)	125 00	
Barto, Daniel O., Associate	250 00	
Bole, Simeon J., Associate (half-time)	125 00	
Smith, William H., Instructor	225 00	
Eckblaw, K. J. T., Instructor (half-time)	125 00	
Crandall, William T., Associate (half-time)	125 00	
		\$1,225 00
<b>Art and Design.</b>		
Hill, Mary	\$225 00	
		225 00
<b>Botany.</b>		
Hottes, Charles F., Professor	\$500 00	
Lamkey, Ernest M. R., Assistant	100 00	
		600 00
<b>Chemistry.</b>		
Balke, Clarence W., Professor	\$500 00	
Derick, Clarence G., Assistant Professor	300 00	
Weber, Henry C. P., Assistant Professor	300 00	
Beal, George D., Associate	250 00	
Hopkins, B. Smith, Associate	250 00	
MacArthur, Charles G., Instructor	225 00	
Sears, George W., Instructor	225 00	
Kamm, Oliver, Assistant	200 00	
		2,250 00

Department and name.	Salary.	
<b>Drawing, General Engineering.</b>		
Crane, Rufus, Instructor.....	\$225 00	\$ 225 00
<b>Economics.</b>		
Bogart, Ernest L., Professor (half-time).....	\$250 00	
Thompson, Charles M., Associate.....	300 00	
McJohnston, Harrison, Instructor.....	225 00	
Scovill, Hiram T., Instructor.....	225 00	1,000 00
<b>Education.</b>		
Bagley, William C., Professor.....	\$400 00	
Coffman, Lotus D., Professor.....	500 00	
Johnston, Charles H., Professor.....	500 00	
Hollister, Horace A., Professor.....	500 00	
Whipple, Guy M., Associate Professor.....	400 00	
Rugg, Harold O., Instructor.....	225 00	
Miller, Wilford S., Assistant.....	125 00	2,650 00
<b>English.</b>		
Dodge, Daniel K., Professor.....	\$500 00	
Sherman, Stuart P., Professor.....	500 00	
Jones, Harry S., Assistant Professor.....	300 00	
Boyer, Clarence V., Associate.....	250 00	
Woolbert, Charles H., Associate.....	250 00	
Curl, Mervin J., Instructor.....	225 00	2,025 00
<b>Entomology.</b>		
Folsom, Justus W., Assistant Professor.....	\$300 00	
Peterson, William A., Assistant.....	150 00	450 00
<b>French and Spanish.</b>		
Carnahan, David H., Associate Professor.....	\$400 00	
Carry, Charles S., Assistant.....	150 00	
Soto, Rafael A., Assistant.....	150 00	700 00
<b>German.</b>		
Held, Felix E., Associate Professor (Miami Univ.).....	\$400 00	
Poor, Charles M., Instructor.....	225 00	
Koller, Armin H., Instructor.....	225 00	
Barto, Philip S., Instructor.....	225 00	
Zucker, Adolf E., Assistant.....	200 00	1,275 00
<b>History.</b>		
Lybyer, Albert H., Associate Professor.....	\$400 00	
Carter, Clarence E., Professor (Miami Univ.).....	300 00	
Hormell, C. C., Professor (Bowdoin College).....	200 00	900 00
(See Political Science).		
<b>Household Science.</b>		
Stanton, Margaret B., Instructor.....	\$225 00	
Linder, Grace, Assistant.....	175 00	
Hope, Leona (Boston).....	300 00	700 00
<b>Latin.</b>		
Oldfather, William A., Associate Professor.....	\$400 00	
Canter, Howard V., Assistant Professor.....	300 00	700 00
<b>Manual Training.</b>		
Park, Joseph C., Director Industrial Education (Oswego State Normal School, Oswego, New York).....	\$400 00	
Haas, Lewis J., Art Metal Work (Landsown, Maryland)....	250 00	
Duncan, James M., Assistant.....	150 00	800 00
<b>Mathematics.</b>		
Shaw, James B., Assistant Professor.....	\$300 00	
Wahlin, Gustaf E., Associate.....	250 00	
Kempner, Aubrey J., Instructor.....	225 00	
Zels, Henry C., Assistant.....	200 00	
Wilson, William H., Assistant.....	200 00	1,175 00
<b>Mechanics, Theoretical and Applied.</b>		
Seeley, Fred B., Instructor.....	\$225 00	
Ensign, Newton E., Instructor.....	225 00	
Vallance, Alex., Instructor.....	225 00	675 00
<b>Music.</b>		
Smith, Constance B., Assistant Professor.....	\$300 00	
Swan, Grace, Assistant.....	150 00	450 00

Department and name.	Salary.	
<b>Physical Training for Men (For six weeks' service).</b>		
Huff, George A. ....	\$375 00	
Zuppke, Robert Carl .....	225 00	
Jones, Ralph R. ....	225 00	
Gill, Harry Lovering .....	225 00	
Unassigned .....	150 00	
		\$1,200 00
<b>Physical Training for Women.</b>		
Moulton, Gertrude E. ....	\$225 00	
		225 00
<b>Physics.</b>		
Knipp, Charles T., Assistant Professor .....	\$300 00	
Kunz, Jacob, Assistant Professor .....	300 00	
Jones, Lloyd T., Instructor .....	225 00	
Randolph, Oscar A., Assistant .....	200 00	
Nathanson, Jonas B., Assistant .....	175 00	
Bayley, Paul L., Assistant .....	150 00	
		1,350 00
<b>Political Science.</b>		
Hormell, O. C., Professor (Bowdoin College) .....	\$200 00	
(See History).		
Story, Russell M., Instructor .....	300 00	
		500 00
<b>Sociology.</b>		
Hayes, Edward C., Professor .....	\$500 00	
		500 00
<b>Zoology.</b>		
Galloway Thomas W., Professor (Millikin Univ.) .....	\$400 00	
Henderson, William F. ....	150 00	
		550 00
Total .....		\$22,350 00
<b>Library Science (Six weeks' course).</b>		
Reece, Ernest J., Instructor .....	\$200 00	
Bond, Ethel .....	200 00	
Williams, Margaret, Assistant and Reviser .....	85 00	
Cloud, Eva, Instructor (one week only) .....	45 00	
MacCaughy, Vaughan, Lecturer (one lecture) .....	15 00	
		545 00

### THE REGISTRAR'S REPORT OF FEES PAYABLE FIRST SEMESTER, 1914-15.

The Secretary of the board presented also for record the report of fees payable during the first semester of the academic year 1914-15, as compiled by the Registrar, Mr. C. M. McConn:

	Gross.	Refund.	Net total.
<b>Matriculation Fees—</b>			
1397 @ \$10 .....	\$13,970 00		
Refund 102 @ \$10 .....		\$1,020 00	\$12,950 00
Total, matriculation fees .....	\$13,970 00	\$1,020 00	\$12,950 00
<b>Incidental Fees—</b>			
3567 @ \$12 .....	42,804 00		
7 @ \$6 (half) .....	42 00		
Refund 161 @ \$12 .....		1,932 00	
Refund 42 @ \$6 (half) .....		252 00	40,662 00
Total, incidental fees .....	\$42,846 00	\$2,184 00	\$40,662 00
<b>Tuition Fees—</b>			
652 @ \$7.50 .....	4,890 00		
3 @ \$3.75 (half) .....	11 25		
Refund 216 @ \$7.50 .....		1,620 00	
Refund 17 @ \$3.75 (half) .....		63 75	
104 @ \$25 (Law) .....	2,600 00		
3 @ \$12.50 (half) .....	37 50		
Refund 1 @ \$12.50 (half) .....		12 50	
4 @ \$5 (courses, Law) .....	20 00		
Total, tuition fees .....	\$7,558 75	\$1,696 25	\$5,862 50
Total, general fees .....	\$64,374 75	\$4,900 25	\$59,474 50
<b>Music Fees—</b>			
Refund 1 @ \$6.50 .....		6 50	
69 @ \$3.50 .....	586 50		
3 @ \$9 .....	27 00		
Refund 1 @ \$4.50 (half) .....		4 50	
5 @ \$11 .....	55 00		
4 @ \$15 .....	60 00		
6 @ \$19.50 .....	117 00		
Refund 1 @ \$9.75 (half) .....		9 75	
1 @ \$25 .....	25 00		
Total, music fees .....	\$ 870 50	\$ 20 75	\$ 849 75

	Gross.	Refund.	Net total.
<b>Laboratory Fees—</b>			
Architecture .....	\$ 372 00	\$ 11 00	\$ 361 00
Botany .....	590 50	11 25	579 25
Ceramics .....	77 50	.....	77 50
Chemistry .....	11,976 00	734 50	11,241 50
Civil Engineering .....	421 00	7 50	413 50
Electrical Engineering .....	555 00	10 00	545 00
Entomology .....	202 50	11 25	191 25
General Engineering Drawing .....	81 00	5 50	75 50
Geology .....	249 00	25 25	223 75
Household Science .....	497 00	19 50	477 50
Mechanical Engineering .....	189 00	1 50	187 50
Physics .....	1,026 00	34 00	992 00
Physiology .....	262 50	85 75	176 75
Psychology .....	20 00	6 00	14 00
Theoretical and Applied Mechanics .....	601 00	20 00	581 00
Zoology .....	376 50	43 25	333 25
Bacteriology .....	685 00	.....	685 00
M. & S. Engineering .....	62 00	1 00	61 00
Mining Engineering .....	14 00	.....	14 00
Total, laboratory fees .....	\$18,257 50	\$1,027 25	\$17,230 25
<b>Listeners' Fees—</b>			
7 @ \$7.50 .....	52 50	.....	52 50
<b>Special Examination Fees—</b>			
148 @ \$5 .....	740 00	.....	740 00
<b>Late Registration Fees—</b>			
112 @ \$1 .....	112 00	.....	.....
Refund 3 @ \$1 .....	.....	3 00	109 00
<b>Change Fees—</b>			
396 @ \$1 .....	396 00	.....	.....
Refund 4 @ \$1 .....	.....	4 00	392 00
<b>Diploma Fees—</b>			
1 @ \$2 .....	2 00	.....	2 00
Total, special fees .....	\$1,302 50	\$7 00	\$1,295 50
Total fees .....	\$84,805 25	\$5,955 25	\$78,850 00

**COMPTROLLER'S REPORT.**

The Secretary presented also for record the report of Mr. L. E. Knorr, Acting Comptroller, for the quarter ending March 31, 1915:

April 19, 1915.

Hon. W. L. Abbott, President Board of Trustees, University of Illinois.

DEAR SIR: I have the honor to hand you herewith a report of the accounts of the business office as to the close of the quarter ending March 31, 1915.

Under separate cover, as a part of the report, are submitted lists of warrants drawn against the University Treasurer and lists of vouchers certified to the State Auditor.

Yours very truly,

L. E. KNORR, Acting Comptroller.

**SCHEDULE 1.****SUMMARY OF RECEIPTS AND DISBURSEMENTS AS AT MAR. 31, 1915.**

	Balance.	Cash receipts, Schedule 2.	State revenue.	Total.
<b>University Treasurer—</b>				
General .....	\$71,783 11	\$417,348 95	.....	\$ 489,132 06
United States Agricultural Experiment Station .....	274 83	22,677 38	.....	22,952 21
Trusts .....	3,451 31	33,385 35	.....	36,836 66
<b>Petty cash—</b>				
Assistant Comptroller .....	5,000 00	.....	.....	5,000 00
Secretary, College of Medicine .....	300 00	.....	.....	300 00
Actuary, School of Pharmacy .....	250 00	.....	.....	250 00
Vice Director, Agricultural Experiment Station .....	600 00	.....	.....	600 00
<b>State Auditor—</b>				
Operation, maintenance and equipment .....	.....	.....	\$1,600,000 00	1,600,000 00
Buildings, land and equipment .....	.....	.....	650,000 00	650,000 00
Water survey and investigation .....	2,310 56	.....	21,500 00	23,810 56
Mechanics' and Miners' Institutes .....	5,473 58	.....	15,000 00	20,473 58
Total .....	\$89,443 39	\$473,411 68	\$2,286,500 00	\$2,849,355 07

## SCHEDULE 1—Concluded.

	Disbursements, Schedule 3.	Balances.	
		Items.	Totals.
University Treasurer—			
General.....	\$ 234,490 91	\$254,641 15	
United States Agricultural Experiment Station.....	19,883 21	3,069 00	
Trusts.....	25,727 81	11,108 85	\$268,819 00
Petty cash—			
Assistant Comptroller.....		\$5,000 00	
Secretary, College of Medicine.....		300 00	
Actuary, School of Pharmacy.....		250 00	
Vice Director, Agricultural Experiment Station.....		600 00	6,150 00
State Auditor—			
Operation, maintenance and equipment.....	1,316,177 93	\$283,822 07	
Buildings, land and equipment.....	389,284 63	260,715 37	
Water survey and investigation.....	17,746 58	6,063 98	
Mechanics' and Miners' Institutes.....	14,235 57	6,238 01	556,839 43
Total.....	\$2,017,546 64		\$831,808 43

## SCHEDULE 2.

## CASH RECEIPTS, MARCH, 1915.

## GENERAL FUND.

## Total receipts.

Agricultural College and Experiment Station—		
Agricultural extension.....	\$ 65 47	
Press service.....	297 95	
Agronomy College—		
Crop production.....	278 39	
Farm mechanics.....	82 40	
Soil fertility.....	382 35	
Soil physics.....	43 75	
Agronomy Experiment Station—fields—		
Agronomy Experiment Station fields—soils.....	5,111 43	
Soil analysis.....	60	
Soil survey.....	1 00	
Agronomy Experiment Station—crops—		
Crop Production Station.....	1,875 78	
Animal Husbandry College—		
Animal Husbandry Administration.....	34 58	
Animal Nutrition.....	7 20	
Beef cattle.....	788 94	
Animal Husbandry education.....	4 00	
General and farming.....	499 04	
Horses.....	295 78	
Poultry.....	786 75	
Sheep.....	425 38	
Swine.....	1,810 06	
Animal Husbandry Experiment Station—		
Animal Husbandry Station—administration.....	202 40	
Beef Cattle Station.....	8,473 42	
General and Farming Station.....	480 81	
Live stock specimens.....	1,200 00	
Horses Station.....	765 97	
Sheep Station.....	659 11	
Swine Station.....	1,627 10	
Animal Husbandry Station—bulletins and publication.....	8 95	
Cafeteria.....	9,407 84	
Dairy Husbandry College—		
Creamery.....	24,546 61	
Dairy bacteriology.....	12,159 51	
Pure bred herd.....	814 72	
Dairy Experiment Station—		
Official Testing Station.....	4,648 35	
Dairy Experiment Herd Station.....	812 55	
Dairy Farm Station.....	78 14	
Dairy Economics Station.....	63 00	
Testing Association Station.....	579 50	
Dairy Technology Station.....	22 50	
Horticulture College—		
Landscape extension.....	162 53	
Pomology.....	232 86	



## SCHEDULE 2—Continued.

		Total receipts.
Agricultural College and Experiment Station—Concluded—		
Horticulture College—Concluded.		
Floriculture .....	\$184 46	
Olericulture .....	387 86	
Olney Farm .....	264 27	
Urbana Farm .....	486 06	
Horticulture—general and farming .....	124 06	
Horticulture Experiment Station—		
Pomology Station .....	136 98	
Horticulture Plant Breeding Station .....	26 35	
Olericulture Station .....	17 34	
Household Science .....	139 74	
		\$ 81,503 84
Engineering College—		
Administration .....	\$ 33 19	
Ceramics .....	26 90	
Civil Engineering .....	216 70	
Engineering Experiment Station .....	297 49	
Electrical Engineering .....	81 39	
Mechanical Engineering .....	13 74	
Mining Engineering .....	4 92	
Miners' and Mechanics' Institutes .....	45 00	
Theoretical and Applied Mechanics .....	1,423 87	
		2,143 20
College of Liberal Arts and Sciences—		
Botany .....	\$ 15 00	
Chemistry .....	91 43	
Chemical Laboratory addition .....	2 57	
Classical Museum .....	181 33	
Education .....	16 34	
Illinois historical survey .....	72 44	
Psychology .....	12 82	
Zoology .....	3 01	
		394 94
College of Dentistry—		
Totals .....		12,540 30
College of Medicine—		
Totals .....		41,999 30
School of Music—		
Totals .....		155 75
Physical Plant—		
Campus lighting .....	\$ 66 25	
Grounds .....	12 25	
Heating and lighting .....	865 86	
Labor .....	2,926 87	
Physical plant—general <sup>2</sup> .....	1,776 78	
Physical plant—stores .....	4,842 96	
Rents—		
Armory .....	150 00	
Auditorium .....	150 00	
Houses .....	933 50	
Morrow Hall .....	27 50	
Woman's Building .....	10 21	
Sale of houses .....	835 00	
Sale of city lots .....	3,500 00	
Telephone exchange .....	4 75	
		16,101 43
Miscellaneous—		
Accountancy .....	\$ 57 50	
<i>Alumni Record</i> .....	27 00	
Blue printing .....	466 62	
Business office .....	12 35	
Directory .....	96 75	
Emergency Hospital .....	282 27	
Fee collections—		
General and laboratory <sup>3</sup> .....	151,888 50	
Lockers—Men's Gym .....	3,383 00	
Lockers—Women's Gym .....	414 50	
Lockers—shop or laboratory .....	217 50	
Freshmen Advisors .....	25 00	
Graduate School Traveling Fellow .....	150 00	
Gregory Memorial .....	15 06	
Interest on endowment fund .....	32,422 14	
Interest on land contracts .....	39 90	
<i>Journal of English and Germanic Philology</i> .....	511 23	
Library salaries .....	8 00	
Library .....	115 13	
Library stacks additions .....	120 82	
Lincoln Hall improvements .....	81	
Morrill Fund .....	25,000 00	
Military Department .....	378 98	
Nelson Fund .....	25,000 00	

## SCHEDULE 2—Concluded.

		Total receipts.
Miscellaneous—Concluded.		
Orchestral concerts .....	\$4,034 25	
Office supply stores.....	263 70	
Physical Training—men .....	2 24	
Postage stores .....	125 00	
President's office .....	1 25	
Printograph .....	57 33	
Salary refund .....	77 50	
Summer Session, 1914.....	85 50	
Student Associations .....	3 75	
University studies .....	59 05	
Water survey salaries.....	300 00	
<i>Weekly Calendar</i> .....	1 00	
Water survey .....	177 15	
		\$245,820 78
School of Pharmacy—		
Totals .....		16,689 41
General fund—		
Totals—general fund .....		417,348 95
Trust funds—		
See Schedule 301 <sup>4</sup> .....		33,385 35
United States Agricultural Experiment Station—		
Adams Fund .....	\$11,250 00	
Adams Fund receipts.....	177 38	
Hatch Fund .....	11,250 00	
		22,677 38
SUMMARY.		
General University .....	\$417,348 95	
Trust funds .....	33,385 35	
United States Agricultural Experiment Station.....	22,677 38	
		\$473,411 68

<sup>1</sup> \$15.10 transferred from physical plant general.<sup>2</sup> \$15.10 transferred to labor.<sup>3</sup> \$32.40 transferred to trust funds.<sup>4</sup> \$32.40 transferred from general fund.



Library stacks addition.....	22,671 44	21,082 21	1,102 42	.....	6 00	.....	411 54	22,602 17	69 27
Lincoln Hall.....	890 55	69 08	820 66	.....	.....	.....	.....	889 74	81
Observatory.....	2,461 20	1,721 77	739 43	.....	.....	.....	.....	2,461 20	.....
Storehouse.....	2,100 00	1 96	1,930 92	.....	.....	.....	.....	1,932 88	187 12
Zoology Vivarium.....	2,000 00	1,058 85	991 21	.....	.....	.....	.....	2,050 06	† 50 06
Building projects.....	4,000 00	1,790 06	68 27	.....	.....	.....	.....	1,858 33	2,141 67
General equipment—									
Furniture and fixtures.....	4,000 00	163 60	889 12	24 83	.....	.....	.....	1,077 55	2,922 45
Pipe organ.....	16,275 00	16,269 74	.....	.....	.....	.....	.....	16,269 74	5 26
Total.....	\$385,930 54	\$230,341 21	\$35,615 43	\$1,718 63	\$8,675 50	\$53 30	\$101,438 99	\$377,843 06	\$8,087 48

\* Amount payable before June 30, 1915. Total contracts outstanding, Administration Building, \$75,916.47; Chemistry Building, \$204,339.76.

† Overdrafts.

### SCHEDULE 32.

#### STATEMENT OF APPROPRIATIONS FOR PHYSICAL PLANT AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders outstanding.	Contracts.	Salaries.	Total.	Free balance.
Extension—									
Salaries.....	\$ 3,277 50						\$*3,277 50	\$ 3,277 50	.....
Fire protection equipment.....	400 00	\$ 284 48						284 48	\$ 115 52
Heating and lighting plant.....	50,000 00	40,128 49	\$ 6,667 72	\$ 36 25	\$ 80 00	\$540 54		47,453 00	2,547 00
Telephone extension.....	1,200 00	577 76	212 65					790 41	409 59
Tunnel extension.....	8,000 00	7,400 00	333 12					7,733 12	266 88
Light and water extension.....	20,000 00	3,338 07	15,439 61					18,777 68	1,222 32
Auto truck.....	450 00	450 00						450 00	.....
Operation and maintenance—									
Salaries.....	15,741 53	7,334 79					2,552 43	9,887 22	1,862 55
Extra assistance.....		3,991 76						3,991 76	
Office expense and equipment.....	2,203 50	995 47	592 53	36 25	29 00			1,653 25	550 25
Heating and lighting.....	75,584 65	33,914 65	20,771 34	7,479 92	458 00			62,623 91	12,960 74
Buildings operation.....	42,188 58	9,640 19	25,977 84					35,618 03	6,570 55
Buildings maintenance.....	30,000 00	15 85	17,817 49		98 00			17,931 34	12,068 66
Grounds.....	10,000 00	1,933 52	5,884 13	49 10				7,866 75	2,133 25
Fire protection.....	3,600 00	283 33	2,232 86					2,516 19	1,083 81
Water Station.....	1,500 00	73 31	816 21	365 00				1,254 52	245 48
Telephone exchange.....	3,004 75	916 23	1,071 02					1,987 25	1,017 50
General operation.....	15,000 00	378 75	9,050 36		4 00			9,433 11	5,566 89
Total.....	\$282,150 51	\$111,656 65	\$106,866 88	\$7,966 52	\$669 00	\$540 54	\$5,829 93	\$233,529 52	\$48,620 99

\* To be assigned to capital account.

## SCHEDULE 33.

## STATEMENT OF APPROPRIATIONS FOR ADMINISTRATION AND GENERAL EXPENSE AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders outstanding.	Library orders outstanding.	Contracts.	Salaries.	Total.	Free balance.
Administrative offices—										
Salaries.....	\$50,364 42	\$39,024 51						\$11,339 91	\$50,364 42	
Board of Trustees.....	7,600 00	3,978 87	\$ 111 32	\$ 41 00					4,131 19	\$ 3,468 81
President's office.....	4,000 00	1,701 45	746 77	21 50					2,469 72	1,530 28
Vice President's office.....	500 00	333 49							333 49	166 51
Business office.....	6,512 08	3,984 73	1,166 14	189 50	\$ 4 00				5,344 37	1,167 71
Registrar's office.....	6,302 50	4,697 19	973 20	129 00					5,799 39	503 11
Council of Administration.....	500 00	343 05							343 05	156 95
Legal Council.....	400 00	288 41							288 41	111 59
Treasurer's office.....	600 00	300 00							300 00	300 00
University Senate.....	100 00	33 05	10 25	15 00					58 30	41 70
Advisor to Foreign Students.....	50 00		21 24						21 24	28 76
General departments—										
Salaries.....	82,093 37	59,989 11						22,104 26	82,093 37	
Library additions.....	65,000 00	26,839 93	366 54			\$8,080 00			35,286 47	29,713 53
Library.....	9,506 18	7,862 06	609 14	340 00	33 00				8,844 20	661 98
Dean of Men.....	5,050 00	3,465 28	328 68						3,793 96	1,256 04
Dean of Women.....	400 00	351 04	62 41	8 00					421 45	*21 45
Physical Training—Men.....	2,302 24	1,051 55	306 78	77 00	51 00				1,486 33	815 91
Physical Training—Women.....	500 00	325 39	106 23	3 00	10 00				444 62	55 38
Military.....	3,028 02	2,220 66	648 85	154 30	75 00				3,098 81	*72 79
High School Visitor.....	1,900 00	997 76	91 51	47 50					1,136 77	763 23
High School Conference.....	1,500 00	1,444 47	1 60						1,446 07	53 93
High School Oratorical Contest.....	360 00	20 39	35 68	41 00					97 07	262 93
Blue printing and photography.....	7,332 66	5,436 28	98 17	137 98	35 00			750 00	6,457 43	875 23
Publications—										
General publications.....	12,000 00	6,353 91	141 98	1,118 25					7,614 14	4,385 86
<i>Alumni Quarterly</i> .....	1,000 00	750 00							750 00	250 00
<i>Directory of Matriculants</i> .....	2,500 00	1,816 85	702 38						2,519 23	*19 23
<i>Press Bulletin</i> .....	1,000 00	197 25							197 25	802 75
Students Handbook.....	300 00	300 00							300 00	
General expense—										
Emergency Hospital.....		6 63		28 00					34 63	*34 63
Gregory Memorial.....	500 00	376 02	49 21						425 23	74 77
Lectures.....	3,000 00	817 31	2 25		4 00				823 56	2,176 44
Towel system.....	1,000 00	976 28							976 28	23 72
Orchestra concerts.....	5,000 00	3,568 58	18 47	94 00	10 00		\$1,200 00		4,891 05	108 95
Convocations.....	1,000 00	594 84	13 27						608 11	391 89
Rebates to students.....	8,500 00	8,729 53							8,729 53	*229 53
Receptions and social functions.....	250 00	44 00	321 13						365 13	*115 13
Panama Exposition Exhibit.....	1,500 00	129 40	5 43	2 30	1,000 00				1,137 13	362 87

Incidentals and emergencies .....	35,000 00	85 75	106 64	192 39	35,000 00
Smith Farms .....					*192 39
Total, Schedule 3 .....	\$328,449 47	\$189,435 02	\$6,938 63	\$2,553 97	\$1,222 00
				\$8,080 00	\$1,200 00
				\$34,194 17	\$243,623 79
					\$84,825 68

\* Overdraft.

## SCHEDULE 34.

## STATEMENT OF APPROPRIATIONS FOR COLLEGE OF LIBERAL ARTS AND SCIENCES AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders.	Library orders outstanding.	Salaries.	Total.	Free balance.
Salaries .....	\$375,595 27	\$276,628 62					\$98,966 65	\$375,595 27	.....
Administration .....	2,101 79	1,238 45	\$ 237 13	\$ 45 25				1,520 83	\$ 580 96
Art and Design .....	600 00	410 69	76 12	12 25				499 06	100 94
Astronomy .....	700 00	737 15	48 67	70 00				855 82	*155 82
Bacteriology .....	2,102 77	1,463 89	191 59	201 30	\$ 33 50			1,890 28	212 49
Botany .....	6,400 00	4,739 04	244 22	93 10	45 50			5,121 86	1,278 14
Ceramics .....	6,906 25	4,544 18	572 33	715 37	266 00			6,007 88	808 38
Ceramics cooperative investigation .....	1,300 00	982 49						982 49	317 51
Chemistry .....	31,590 94	23,118 16	3,592 43	927 18	882 00			28,519 77	3,071 17
Classics .....	300 00	73 83	18 10	32 20		\$37 50		161 63	138 37
Education .....	3,508 74	1,244 29	477 61	102 25	14 00			1,838 15	1,038 40
Educational survey .....		567 10	55 09	10 00				632 19	
English .....	2,000 00	1,122 75	175 91	16 00	45 50			1,360 16	639 84
Entomology .....	928 18	655 80	25 68	50 00				731 48	196 70
Geology .....	1,600 00	725 69	93 60	373 25				1,192 54	407 46
German .....	200 00	73 73	72 79	3 00				149 52	50 48
History .....	225 00	50 31	96 38	50 00	6 00			202 69	22 31
Mathematics .....	700 00	450 03	122 90	5 00				577 93	122 07
Philosophy .....	100 00	28	11 86					12 14	87 86
Physiology .....	1,550 00	1,072 95	109 54	26 75	2 00			1,211 24	338 76
Political Science .....	125 00	42 75	24 76					67 51	57 49
Psychology .....	2,113 75	1,442 16	105 84	78 75				1,626 75	487 00
Romance Language .....	150 00	47 82	36 62	5 00	17 00			106 44	43 56
Sociology .....	300 00	65 76	19 27	3 50	4 00			92 53	207 47
Zoology .....	5,018 74	3,667 38	350 09	410 15	96 60			4,524 22	494 52
Museums—									
Classical .....	2,585 48	1,166 37	122 16	5 00				1,293 53	1,291 95
European Culture .....	2,500 00	174 06	31 40	427 52	20 00			652 98	1,847 02
Natural History .....	2,500 00	154 20	5 59	250 00			199 98	609 77	1,890 23
Total, Schedule No. 3 .....	\$453,701 92	\$326,659 93	\$6,917 68	\$3,912 82	\$1,432 10	\$37 50	\$99,166 63	\$438,126 66	\$15,575 26

\* Overdraft.

## SCHEDULE 35.

## STATEMENT OF APPROPRIATIONS FOR AGRICULTURAL COLLEGE AND EXPERIMENT STATION AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders outstanding.	Library orders outstanding.	Salaries.	Total.	Free balance.
Buildings—									
Stock Pavilion .....	\$ 16,409 66	\$ 116 77	\$ 413 47					\$ 530 24	\$15,841 36
Horticultural Glass Houses .....		30 75						30 75	
Animal Nutrition Laboratory .....			5 56					5 56	
Feeding plant .....			1 75					1 75	
Clinic Building .....		4,925 72							
Cold storage .....	9,000 00								9,000 00
College—									
Administration .....	14,297 90	10,549 27	488 41	\$ 105 50	\$ 88 00		\$ 1,877 50	13,108 68	1,189 22
Agricultural Extension .....	20,518 78	15,024 05	642 97	1 00	31 00		3,249 96	18,948 98	1,569 80
Agronomy, Schedule 351 .....	53,116 98	34,037 38	1,884 10	364 63	527 50		8,479 86	45,293 47	7,823 51
Animal Husbandry, Schedule 352 .....	72,748 24	60,886 59	6,545 13	1,995 88	174 00	\$ 8 80	7,852 35	77,462 75	*4,714 51
Dairy Husbandry, Schedule 353 .....	80,193 21	48,262 57	14,365 95	860 71	5,878 00		4,974 93	74,342 16	5,851 05
Horticulture, Schedule 354 .....	59,068 39	45,219 25	2,076 70	368 10	151 00	40 27	10,874 83	58,730 15	338 24
Household Science .....	31,184 32	21,488 08	519 49	482 08	116 00	1 90	5,649 87	28,257 42	2,926 90
Cafeteria .....	11,563 16	7,355 63	849 52	403 00				8,608 15	2,955 01
Veterinary Science .....	3,009 62	1,878 57	14 78				624 99	2,518 34	491 28
Agricultural press service .....	3,937 06	2,732 87	217 23				574 98	3,525 08	411 98
Station—									
Agronomy—crops, Schedule 351 .....	25,602 60	17,055 50	488 83	108 65	15 00		1,149 99	18,817 97	6,784 63
Agronomy—soils, Schedule 351 .....	104,991 97	60,350 44	147 39	337 27	24 00		7,479 87	68,338 97	36,653 00
Dairy, Schedule 353 .....	35,703 63	26,351 34	3,737 73	380 89	120 00		2,514 96	33,104 92	2,598 71
Animal Husbandry, Schedule 352 .....	49,670 12	24,177 15	1,384 22	649 48	141 00		924 99	27,276 84	22,393 28
Horticulture, Schedule 354 .....	29,240 29	26,587 57					4,424 94	31,187 03	*1,946 74
United States Station—									
Hatch Administration .....	4,000 00	2,913 12					810 00	3,723 12	276 88
Hatch Botany .....	2,500 00	1,454 32		11 15	46 00		255 00	1,766 47	733 53
Hatch Agronomy .....	2,500 00	1,359 04					900 00	2,259 04	240 96
Hatch Dairy Husbandry .....	6,000 00	4,380 65		94 00			1,424 97	5,899 62	100 38
Adams Administration .....	2,000 00	1,103 54					800 00	1,903 54	96 46
Adams Animal Husbandry .....	8,500 00	4,172 62		18 60			2,199 96	6,391 18	2,108 82
Adams Horticulture .....	4,500 00	4,499 92						4,499 92	08
Adams receipts .....	274 83								274 83
Soil maps .....	18,699 82	12,248 53		4,175 95				16,424 48	2,275 34
Specimens—									
Animal Husbandry, Schedule 352 .....	3,666 69	1,167 01						1,167 01	2,499 68
Dairy, Schedule 353 .....	537 00								537 00
Total, Schedule 3 .....	\$678,359 99	\$435,402 53	\$33,957 75	\$10,356 89	\$7,311 50	\$50 97	\$67,043 95	\$554,123 59	\$124,236 40

\* Overdrafts.

## SCHEDULE 351.

## STATEMENT OF APPROPRIATIONS FOR AGRONOMY AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders outstanding.	Salaries.	Total.	Free balance.
College—								
1913-14 orders .....				\$ 62 00			\$ 62 00	
Crop production .....		\$ 3,286 68	\$255 05	32 90	\$160 00	\$ 749 97	4,484 60	
Farm mechanics .....		8,570 68	424 68	205 65	19 00	2,129 97	11,349 98	
Plant breeding .....		2,677 69	31 09		130 00	874 98	3,713 76	
Soil fertility .....		11,921 63	808 89	55 50	218 50	2,524 98	15,529 50	
Soil physics .....		7,580 70	364 39	8 58		2,199 96	10,153 63	
Total, Schedule 35. ....	\$53,116 98	\$34,037 38	\$1,884 10	\$364 63	\$527 50	\$8,479 86	\$45,293 47	\$7,823 51
Experiment Station—								
Agronomy Experiment Station—soils—								
Agronomy Experiment—fields .....		\$26,816 49	\$ 1 15	\$213 55		\$1,099 85	\$28,131 14	
Soil analysis .....		12,450 32	61 16	93 50	\$24 00	2,934 96	15,563 94	
Soil survey .....		19,079 11	85 08	30 22		2,994 96	22,189 37	
Soil extension .....		2,004 52				450 00	2,454 52	
Total, Schedule 35. ....	\$104,991 97	\$60,350 44	\$147 39	\$337 27	\$24 00	\$7,479 87	\$68,338 97	\$36,653 00
Agronomy Experiment Station—crops—								
Crop production .....		\$10,956 33	\$138 65	\$105 65	\$15 00	\$450 00	\$11,965 63	
Plant breeding .....		6,099 17	50 18	3 00		699 99	6,852 34	
Total, Schedule 35. ....	\$25,602 60	\$17,055 50	\$488 83	\$108 65	\$15 00	\$1,149 99	\$18,817 97	\$6,784 63
Hatch—Agronomy .....	\$2,500 00	\$1,359 04				\$900 00	\$2,259 04	\$240 96



## SCHEDULE 352.

## STATEMENT OF APPROPRIATIONS FOR ANIMAL HUSBANDRY AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders.	Library orders outstanding.	Salaries.	Total.	Free balance.
College—									
Administration.....		\$23,361 79	\$ 467 67				\$7,452 36	\$31,281 82	
Animal Nutrition.....		4,379 17	111 54				150 00	4,640 71	
Beef cattle.....		9,331 02	548 30	\$957 00	\$55 00			10,891 32	
Education.....		939 61	3,681 65	60 41	14 00	\$8 80	249 99	4,954 46	
General and farming.....		4,906 20	215 00	7 45	10 00			5,138 65	
Genetics.....		61 98	298 44	10 25	69 00			439 67	
Horses.....		8,105 72	181 76	256 85	16 00			8,560 33	
Poultry.....		2,456 37	545 20	169 01				3,170 58	
Sheep.....		2,479 72	116 61	175 82				2,772 15	
Swine.....		4,865 01	378 96	27 09	10 00			5,281 06	
1913-14 orders.....				332 00				332 00	
Total, Schedule 35.....	\$72,748 24	\$60,886 59	\$6,545 13	\$1,995 88	\$174 00	\$8 80	\$7,852 35	\$77,462 75	*\$4,714 51
Station—									
Administration.....		\$2,794 00	\$163 82	\$ 20 00			\$624 39	\$3,602 81	
Animal Nutrition.....		4,969 98	481 86	62 30	\$141 00		300 00	5,955 14	
Beef cattle.....		4,206 10	26 50	8 25				4,240 85	
General and farming.....		2,766 90	402 88					3,169 78	
Horses.....		3,535 27		40 00				3,575 27	
Live stock system.....		1,834 73	8 45	8 00				1,851 18	
Sheep.....		1,131 33	4 32	226 00				1,361 65	
Swine.....		2,391 64	264 39	274 15				2,930 18	
Bulletins and publications.....		11 07						11 07	
Meat.....		536 13	32 00	10 78				578 91	
Total, Schedule 35.....	\$49,670 12	\$24,177 15	\$1,384 22	\$649 48	\$141 00		\$924 39	\$27,276 84	\$22,393 28
United States Experiment Station—									
Adams—Animal Nutrition.....		\$2,337 28					\$1,599 96	\$3,937 24	
Adams—Genetics.....		908 33		\$18 60			600 00	1,526 93	
Adams—Swine.....		927 01						927 01	
Total, Schedule 35.....	\$8,500 00	\$4,172 62		\$18 60			\$2,199 96	\$6,391 18	\$2,108 82

Specimens—									
Swine.....		\$112 16		\$45 00				\$157 16	
Horses.....		903 28						903 28	
Sheep.....		151 57						151 57	
Total, Schedule 35.....	\$3,666 69	\$1,167 01		\$45 00				\$1,212 01	\$2,454 6

\* Overdraft.

## SCHEDULE 353.

## STATEMENT OF APPROPRIATIONS FOR DAIRY HUSBANDRY AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders outstanding.	Salaries.	Total.	Free balance.
College—								
Administration.....		\$ 7,036 55	\$4,220 22	\$ 1 00		\$1,849 98	\$13,107 75	
Creamery.....		23,894 04	1,300 57	512 87	\$2,910 00	675 00	29,292 48	
Technology.....		3,179 91	82 63	9 40	75 00	624 99	3,971 93	
Bacteriology.....		3,527 49	6,183 21	62 50	2,850 00	199 98	12,823 18	
Pure bred herd.....		7,999 64	2,579 32	274 94	43 00	750 00	11,646 90	
Experiment herd.....		2,624 94				874 98	3,499 92	
Total, Schedule 35.....	\$80,193 21	\$48,262 57	\$14,365 95	\$860 71	\$5,878 00	\$4,974 93	\$74,342 16	\$5,851 05
Station—								
Official testing.....		\$6,271 69	\$ 34 25				\$ 6,305 94	
Bacteriology.....		1,275 32	172 40	\$ 43 00		\$ 249 99	1,740 71	
Experiment herd.....		6,345 92	2,939 78	117 70		1,149 99	10,553 39	
Farm Station.....		4,452 45	469 06	121 19	\$120 00		5,162 70	
Economics.....		3,323 73	88 24	24 00		390 00	3,825 97	
Technology.....		3,989 11				724 98	4,714 09	
Testing Association.....		693 12	34 00	75 00			802 12	
Total, Schedule 35.....	\$35,703 63	\$26,351 34	\$3,737 73	\$380 89	\$120 00	\$2,514 96	\$33,104 92	\$2,598 71
United States Experiment Station—								
Hatch—Bacteriology.....		\$2,075 63		\$94 00		\$624 89	\$2,794 62	
Hatch—Chemistry.....		1,305 08				450 00	1,755 08	
Hatch—Economics.....		999 94				349 92	1,349 92	
Total, Schedule 35.....	\$6,000 00	\$4,380 65		\$94 00		\$1,424 97	\$5,899 62	\$100 38
Specimens.....	\$537 00							\$537 00

## SCHEDULE 354.

## STATEMENT OF APPROPRIATIONS FOR HORTICULTURE AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders outstanding.	Library orders outstanding.	Salaries.	Total.	Free balance.
College—									
Administration.....		\$7,477 23	\$248 54	\$20 00	.....	.....	\$2,044 98	\$ 9,790 75	.....
Landscape extension.....		7,511 76	794 36	19 75	.....	.....	2,199 93	10,525 80	.....
Landscape gardening.....		8,008 50	343 38	45 00	\$109 00	.....	1,999 99	10,505 87	.....
Pomology.....		2,657 15	105 49	15 90	.....	.....	679 98	3,458 52	.....
Floriculture.....		5,428 11	390 12	85 10	42 00	\$40 27	2,414 97	8,400 57	.....
Olericulture.....		5,921 68	49 24	59 80	.....	.....	1,534 98	7,565 70	.....
Olney Farm.....		1,523 91	.....	.....	.....	.....	.....	1,523 91	.....
Urbana Farm.....		3,519 88	4 50	34 75	.....	.....	.....	3,559 13	.....
Forestry.....		173 70	.....	.....	.....	.....	.....	173 70	.....
General and farming.....		2,997 33	141 07	87 80	.....	.....	.....	3,226 20	.....
Total, Schedule 35.....	\$59,068 39	\$45,219 25	\$2,076 70	\$368 10	\$151 00	\$40 27	\$10,874 83	\$58,730 15	\$338 24
Experiment Station—									
Pomology.....		\$11,689 87	\$77 48	\$ 71 70	.....	.....	\$2,074 98	\$13,914 03	.....
Olericulture.....		544 01	.....	25 50	.....	.....	.....	569 51	.....
Plant breeding.....		5,196 05	74 59	.....	.....	.....	2,349 96	7,620 60	.....
Extension.....		87 53	.....	.....	.....	.....	.....	1,135 23	.....
Olney Farm.....		1,135 23	.....	.....	.....	.....	.....	87 53	.....
Floriculture.....		7,934 88	22 45	.....	.....	.....	.....	7,957 33	.....
1913-14 orders.....		.....	.....	210 00	.....	.....	.....	210 00	.....
Total, Schedule 35.....	\$39,240 29	\$26,587 57	\$174 52	\$307 20	.....	.....	\$4,424 94	\$31,494 23	*\$2,253 94
United States Experiment Station—									
Adams—Pomology.....		\$ 750 00	.....	.....	.....	.....	.....	\$ 750 00	.....
Adams—Plant breeding.....		3,749 92	.....	.....	.....	.....	.....	3,749 92	.....
Total, Schedule 35.....	\$4,500 00	\$4,499 92	.....	.....	.....	.....	.....	\$4,499 92	\$0 08

\* Overdraft.

## SCHEDULE 36.

## STATEMENT OF APPROPRIATIONS FOR ENGINEERING COLLEGE AND EXPERIMENT STATION AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Job orders.	Library orders outstanding.	Salaries.	Total.	Free balance.
College—									
Salaries.....	\$202,017 69	\$148,055 67					\$53,962 02	\$202,017 69	
Administration.....	4,033 19	1,562 83	\$ 569 99	\$ 138 50				2,271 32	\$1,761 87
Architecture.....	3,900 00	2,998 55	621 20	1 50	\$ 36 00	\$138 42		3,795 67	104 33
Civil Engineering.....	1,802 00	536 86	409 85	27 00	45 00			1,018 71	783 29
Electrical Engineering.....	5,816 50	2,334 19	656 86	431 36				3,422 41	2,394 09
General Engineering Drawing.....	1,100 00	854 76	115 21	41 33	50 00			1,061 30	38 70
Mechanical Engineering.....	12,043 97	7,756 07	1,459 45	433 77	17 00			9,666 29	2,377 68
Mining Engineering.....	5,500 61	2,195 12	892 53	537 40		14 40		3,639 45	1,861 16
Physics.....	6,008 85	3,422 69	289 44	964 55	160 00			4,836 68	1,172 17
Railway Engineering.....	3,500 00	1,461 03	161 61	540 04	64 00	14 40		2,241 08	1,258 92
Theoretical and Applied Mechanics.....	5,438 43	1,552 38	346 17	514 40	6 00			2,418 95	3,019 48
Station—									
Salaries.....	17,436 86	13,406 96					4,029 90	17,436 86	
Administration.....	11,607 85	4,935 74	89 85	520 00	15 00		1,500 00	7,045 59	3,985 73
Chemistry.....	400 00	461 29	100 24					576 53	200 50
Civil Engineering.....	1,600 00	1,356 31	47 28	48 35				1,451 94	148 06
Electrical Engineering.....	1,200 00	61 92	5 00	116 12				183 04	1,016 96
Mechanical Engineering.....	2,000 00	30 75		68 35				30 75	1,969 25
Railway Engineering.....	2,627 70	1,330 60	127 04					1,525 99	1,101 71
Theoretical and Applied Mechanics.....	600 00	130 00	75					130 75	469 25
Mining Engineering.....	5,000 00	2,817 66	40 44	16 58			600 00	3,474 63	1,525 32
Cooperative mines.....	21,170 01	14,886 79		290 66	18 00		3,024 99	18,220 44	2,949 57
Mechanics' and Miners' Institutes.....									
Total.....	\$314,803 66	\$212,347 67	\$5,932 91	\$4,689 91	\$411 00	\$167 22	\$63,116 91	\$286,665 62	\$28,138 04

SCHEDULE 37.  
STATEMENT OF APPROPRIATIONS FOR GRADUATE SCHOOL AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders outstanding.	Library orders outstanding.	Salaries assigned.	Total.	Free balances.
Salaries and Fellowships.....	\$29,613 96	\$21,273 96				\$8,340 00	\$29,613 96	
Administration.....	1,500 00	779 41	\$89 59	\$ 24 25	\$ 3 30		896 55	\$ 603 45
Library equipment—								
Bagley.....	500 00	375 08					375 08	124 92
Carnahan.....	129 16	129 16					129 16	
Blondheim.....	150 00	29 90			73 12		103 02	46 98
Fitz-Gerald.....	400 00	75 38			324 62		400 00	
Greene.....	75 00				30 00		30 00	45 00
Jones.....	175 00	158 99					158 99	16 01
Loomis.....	205 00	132 52			45 30		177 82	27 18
Moore.....	225 00							225 00
Reitz.....	17 00	17 00					17 00	
Schoepperle.....	220 00	64 81			46 66		111 47	108 53
Sherman.....	500 00	499 41					499 41	59
Stoek.....	400 00	400 00					400 00	
Ward.....	100 00	4 34			53 00		57 34	42 66
Unassigned.....	403 84	*1 50			186 30		187 80	216 04
Research—								
Balke.....	88 00	88 00					88 00	
Bayley.....	100 00	100 00					100 00	
Blondheim.....	100 00	70 00					70 00	30 00
Carman.....	1,000 00	3 56		707 00			710 56	289 44
Fairlie.....	150 00	122 00					122 00	28 00
Forbes.....	100 00	64 98		9 60			74 58	25 42
Loomis.....	60 00							60 00
Savage.....	197 83	197 83					197 83	
Shelford.....	330 00	246 13	3 72	20 70			270 55	59 45
Stebbins.....	300 00	96 27	35 38	25 00			156 65	143 35
Trelease.....	100 00	99 45					99 45	55
Washburn.....	322 15	282 15		17 00			299 15	23 00
Ward.....	25 00	25 00					25 00	
Zeleny.....	200 00	54 00					54 00	146 00
Unassigned.....	2,647 02	†604 00					604 00	2,043 02
Illinois survey.....	3,072 44	1,756 72	22 76	365 14	63 65	420 00	2,628 27	444 17
University studies.....	4,000 00	1,576 18	41 55	1,632 00			3,239 73	760 27
Journal of English and Germanic Philology.....	1,500 00	919 10					919 10	580 90
Crockerland expedition.....	2,500 00							2,500 00
Total, Schedule 3.....	\$51,406 40	\$30,246 83	\$183 00	\$2,800 69	\$825 95	\$8,760 00	\$42,816 47	\$8,589 93

\* Dr. Meyer. † Speculum Regale.

## SCHEDULE 38.

STATEMENT OF THE ACCOUNTS OF THE COLLEGES OF MEDICINE AND DENTISTRY AS AT MAR. 31, 1915, AS SUBMITTED BY J. S. TOMLINSON, CASHIER.

	Allotments and credits.	Cash dis- bursements.	Transfer charges.	Open market orders out- standing.	Contracts outstanding.	Salaries assigned.	Total.	Balances.
General—								
Salaries.....	\$43,242 00	\$26,302 49				\$16,939 51	\$43,242 00	.....
Administration.....	2,060 00	1,758 52	\$ 177 05	\$ 196 39	\$ 58 60		2,190 56	\$ *130 56
Physical plant.....	28,541 00	17,986 53	106 27	240 96	7,580 43		25,914 19	2,626 81
Laboratory supplies.....	3,000 00	282 06	86	18 75			301 17	2,698 83
Anatomy.....	1,525 00	596 28	426 32	10 83	240 32		1,273 75	251 25
Physiology.....	1,000 00	505 43	56 08	17 83			579 34	420 66
Chemistry.....	3,050 00	1,062 60	1,629 34	158 33			2,850 27	199 73
Laboratory stores.....	4,965 46	8,047 55		1,542 20			9,589 75	*4,624 29
Microscopes.....	6,000 00	2,762 20		69 70			2,831 90	3,168 10
Medical—								
Salaries.....	29,870 00	21,375 49				8,494 51	29,870 00	.....
Administration.....	4,435 00	3,547 52	175 09	85 59	428 07		4,236 27	198 73
Pathology.....	1,200 00	613 19	342 24	116 82			1,072 25	127 75
Pharmacy.....	1,000 00	356 54	208 97	82 55			648 06	351 94
Research.....	1,737 00	504 14	542 90	189 28			1,236 32	500 68
Medicine.....	700 00	279 40	10 70	1 20			291 30	408 70
Surgery.....	1,400 00	201 84	191 08	18 70			411 62	988 38
Obstetrics.....	1,500 00	1,036 25	10 20				1,046 45	453 55
Roentgenology.....	1,400 00	464 43	97	57 00			522 40	877 60
Dispensary.....	2,000 00	1,132 64	709 73	29 50			1,871 87	128 13
Library.....	4,050 00	1,670 85	34 15	1,337 81			3,042 81	1,007 19
Bacteriology.....		8 50					8 50	*8 50
Dental—								
Salaries.....	18,940 00	13,244 65				5,695 35	18,940 00	.....
Administration.....	2,576 00	1,796 47	109 68	12 15	375 47		2,293 77	282 23
Oral Surgery and Pathology.....	300 00	37 26	9 07	34 50			80 83	219 17
Operative Dentistry.....	200 00	25 65		150 00			175 65	24 35
Prosthetic Dentistry.....	300 00	186 82	91	1 10			188 83	111 17
Histology and Orthodontia.....	500 00	29 28	102 78	1 50			133 56	366 44
Bacteriology.....	700 00	34 80	77 14				111 94	588 06
Infirmary.....	3,600 00	2,565 72	42 68	191 07			2 799 47	800 53
Radiology.....	700 00	170 86	1 75	5 00			177 61	522 39
Mortgage and interest.....	13,541 40	6,679 71					6,679 71	6,861 69
	\$184,032 86	\$115,265 67	\$4,965 46	\$4,568 76	\$8,682 89	\$31,129 37	\$164,612 15	\$19,420 71
Deduct Dental No. 233 in process of payment.....		38 32					38 32	38 32
Total, as per B. O. books.....	\$184,032 86	\$115,227 35	\$4,965 46	\$4,568 76	\$8,682 89	\$31,129 37	\$164,573 83	\$19,459 03

\* Overdraft.

## SCHEDULE 39.

## STATEMENT OF APPROPRIATIONS FOR OTHER SCHOOLS AND DEPARTMENTS AS AT MAR. 31, 1915.

	Appropriations and credits.	Cash disbursements.	Transfer charges.	Open market orders out-standing.	Job orders out-standing.	Library orders out-standing.	Contracts.	Salaries.	Total.	Free balance.
Commerce—										
Salaries.....	\$31,033 08	\$22,548 15						\$8,484 93	\$ 31,033 08	
Expense.....	5,000 00	3,243 60	\$261 94	\$ 6 50		\$1,510 08			5,022 12	*\$ 22 12
Law School—										
Salaries.....	23,232 90	17,283 01						5,949 89	23,232 90	
Expense.....	3,300 00	686 44	84 09						770 53	2,529 47
Pharmacy—										
Salaries.....	10,891 46	7,891 52						2,999 94	10,891 46	
Expense.....	13,358 45	10,250 90	60	206 32			\$1,000 00		11,457 82	1,900 63
Library School—										
Salaries.....	6,879 80	5,329 85						1,549 95	6,879 80	
Expense.....	1,000 00	639 01	26 60	38 00					703 61	296 39
Music—										
Salaries.....	18,349 88	13,189 91						5,159 97	18,349 88	
Expense.....	1,860 00	1,280 38	102 23	16 00	\$43 00				1,441 61	418 39
Water survey and investigation.....	31,895 62	23,757 11	572 63	83 50	13 00			5,289 97	29,716 21	2,182 41
Summer Session 1914.....	23,804 63	23,796 73	7 90						23,804 63	
Summer Session 1915.....	25,000 00	764 29	111 50	173 00					1,048 79	23,951 21
Accountancy Committee.....	3,152 69	659 46	10 00	3 00					652 46	2,500 23
Law Library.....	5,000 00	2,870 60				1,191 23			4,061 83	938 17
Stores and transfer accounts—										
Office supplies stores.....	5,936 82	9,044 31	46 50						†9,090 81	*3,153 99
Physical plant stores.....	71,840 21	84,605 64	263 16						84,868 80	*13,028 59
Postage stores.....	6,499 15	7,536 60							†7,536 60	*1,037 45
Printograph.....	463 45	578 33	8 52						586 75	*123 40
Labor.....	97,409 05	104,565 70							†104,565 70	*7,156 65
Total.....	\$385,910 19	\$340,501 54	\$1,495 67	\$526 32	\$56 00	\$2,701 31	\$1,000 00	\$29,434 65	\$375,715 49	\$10,194 70

\* Overdraft. † Value of stock on hand and accounts not closed out.

## SCHEDULE 301.

## TRUST FUND TRANSACTIONS AS AT MAR. 31, 1915.

	Balance July 1, 1915.	Receipts to Feb. 27, 1915.	Receipts March, 1915.	Total receipts.	Disburse- ments Feb. 27, 1915.	Disburse- ments March, 1915.	Total disburse- ments.	Balance Mar. 31, 1915.
Trust Funds—								
B'nai B'rith—								
Library Fund.....	\$ 64 85	\$ 50 00	.....	\$ 114 85	\$ 114 85	.....	\$ 114 85	.....
Prize Fund.....	50 00	.....	.....	50 00	.....	.....	.....	\$ 50 00
Bryan Prize.....	250 00	.....	.....	250 00	.....	.....	.....	250 00
Class of 1895.....	78	.....	.....	78	.....	.....	.....	78
Llewellyn Prize.....	.....	.....	\$ 50 00	50 00	.....	.....	.....	50 00
McDowell Memorial Fund.....	4 57	.....	.....	4 57	.....	.....	.....	4 57
McKinley Loan Fund—								
Interest.....	48 79	330 96	106 66	437 62	1,250 00	225 00	1,475 00	261 41
Principal.....	.....	1,069 00	181 00	1,250 79	.....	.....	.....	5,550 00
Margaret Lange James Loan Fund.....	.....	5,520 00	30 00	5,550 00	.....	.....	.....	2,000 00
Plym Fellowship.....	1,200 00	1,000 00	.....	2,200 00	200 00	.....	200 00	.....
Snyder Loan Fund—								
Interest.....	.....	467 40	11 12	478 52	300 00	300 00	600 00	*121 48
Principal.....	774 17	1,497 62	60 00	2,331 79	1,900 00	100 00	2,000 00	331 79
Wilson Lectureship.....	100 00	.....	.....	100 00	.....	.....	.....	100 00
Woman's League Loan Fund—								
Interest.....	.....	7 59	.....	7 59	.....	.....	.....	7 59
Principal.....	91 40	40 00	.....	131 40	130 00	.....	130 00	1 40
Trust Deposits—								
Graduate School Thesis Deposits.....	575 00	50 00	.....	625 00	50 00	.....	50 00	575 00
Key deposits.....	.....	200 00	3 50	203 50	6 50	.....	6 50	197 00
Military suits deposits†.....	.....	19,332 85	16 20	19,349 05	19,251 80	16 20	19,268 00	81 05
Parr deposits.....	.....	490 20	2,286 25	2,776 45	407 98	1,450 48	1,858 46	917 99
Towel fund deposit.....	291 75	585 00	.....	876 75	25 00	.....	25 00	851 75
Total.....	\$3,451 31	\$30,640 62	\$2,744 73	\$36,836 66	\$23,636 13	\$2,091 68	\$25,727 81	\$11,108 85

\* Overdraft. † Reported Feb. 27, as \$19,300.45. \$32.40 collected in February and entered in General Fund. Transferred to Trust Fund in March.



## SCHEDULE 4.

## RECONCILIATION WITH UNIVERSITY TREASURER AS AT MAR. 31, 1915.

General fund—		
Treasurer's balance .....	\$270,599	31
Add: Receipts credited by Treasurer in April.....	413	64
	<u>\$271,012</u>	<u>95</u>
Deduct: Receipts credited by business office in April.....	1,939	40
	<u>\$269,073</u>	<u>55</u>
Deduct: Unpaid warrants—		
Issued before July 1, 1913.....	\$ 341	37
Issued 1913-1914 .....	47	65
Issued 1914-1915 .....	14,043	40
	<u>14,432</u>	<u>42</u>
Business office corrected balance.....	<u>\$254,641</u>	<u>13</u>
Add: Error warrants No. 6622-54.....		02
Business office balance .....	<u>\$254,641</u>	<u>15</u>
United States Agricultural Experiment Station—		
Treasurer's balance .....	\$5,464	51
Deduct: Unpaid warrants .....	2,395	51
Business office balance .....	<u>\$3,069</u>	<u>00</u>
College of Medicine Fund—		
Treasurer's balance .....	\$133	75
Deduct: Unpaid warrants .....	133	75
Business office balance .....	<u>\$000</u>	<u>00</u>
Trust fund—		
Treasurer's balance .....	\$11,176	35
Add: Receipts credited by Treasurer in April.....	7	50
	<u>\$11,183</u>	<u>85</u>
Deduct: Unpaid warrants .....	75	00
Business office balance .....	<u>\$11,108</u>	<u>85</u>

## SCHEDULE 5.

## RECONCILIATION WITH STATE AUDITOR AS AT MAR. 31, 1915.

Operation, maintenance and equipment—		
Auditor's balance .....	\$283,784	08
Add: Vouchers C1077-95 incorrectly charged to this fund.....	785	64
Auditor's corrected balance .....	<u>\$284,569</u>	<u>72</u>
Deduct: Unpaid vouchers .....	747	65
Business office balance .....	<u>\$283,822</u>	<u>07</u>
Buildings, land and equipment—		
Auditor's balance .....	\$261,959	46
Deduct: Vouchers C1077-95 charged to wrong fund.....	785	64
	<u>\$261,173</u>	<u>82</u>
Add: Error .....	200	00
Auditor's corrected balance .....	<u>\$261,373</u>	<u>82</u>
Deduct: Unpaid vouchers .....	658	45
Business office balance .....	<u>\$260,715</u>	<u>37</u>
Water survey—		
Auditor's balance .....	\$6,123	49
Deduct: Unpaid vouchers .....	59	51
Business office balance .....	<u>\$6,063</u>	<u>98</u>
Miners' and Mechanics' Institutes—		
Auditor's balance .....	\$6,238	01
Business office balance .....		
Apr. 7, 1915.		

## APPOINTMENTS MADE BY THE PRESIDENT OF THE UNIVERSITY.

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

Abraham, Effie G., Temporary Cataloger in the Library, on one-third time, beginning April 2, 1915, or as soon as she reports for duty, and continuing until June 1, 1915, at a salary of twenty dollars (\$20) a month. (April 3, 1915.)\*

Alvord, Clarence W., Director of the Illinois Historical Survey, without salary, beginning April 1, 1915, and continuing until further notice. (April 2, 1915.)

Leonard, Faith, University Secretary in the Department of Animal Husbandry, at a salary of seventy-five dollars (\$75) a month, beginning March 15, 1915, or as soon as she may report for duty, and continuing until further notice, subject to the rules of the Civil Service Commission. (March 12, 1915.)

Muhleman, Elizabeth, Typist in the Business Office, at a salary of fifty dollars (\$50) a month, beginning March 1, 1915, and continuing until further notice, subject to the rules of the Civil Service Commission. (March 11, 1915.)

Riggs, Bess, Stenographer in the Department of Animal Husbandry, at a salary of forty-five dollars (\$45) a month, beginning April 1, 1915, and continuing until further notice, subject to the rules of the Civil Service Commission; this appointment superseding her former appointment in the general office of the College of Agriculture at thirty-five dollars (\$35) a month. (April 12, 1916.)

Rowland, F. E., Graduate Assistant in Chemistry, at a salary of thirty dollars (\$30) a month, beginning April 16, 1915, and continuing until June 30, 1915; this appointment superseding his former appointment as Student Assistant. (April 16, 1915.)<sup>1</sup>

Smith, Dey B., Temporary Cataloger in the Library, on one-third time, beginning April 2, 1915, or as soon as she reports for duty, and continuing until June 1, 1915, at a salary of twenty dollars (\$20) a month. (April 3, 1915.)

Welo, Lars A., Research Assistant in Astronomy, on one-third time, beginning April 20, 1915, and continuing until June 30, 1915, with salary at the rate of thirty-five dollars (\$35) a month. (April 26, 1915.)

Wilson, L. T., Instructor in Mathematics, for ten months beginning September 1, 1915, at a salary of one hundred twenty dollars (\$120) a month. (April 23, 1915.)

Woelfel, Albert, Instructor in Physiology in the College of Medicine for the rest of the current academic year, at a salary of six hundred dollars (\$600) for the period. (March 25, 1915.)

The Executive Committee adjourned.

W. L. ABBOTT, *Chairman*.

H. E. CUNNINGHAM, *Clerk*.

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

<sup>1</sup> Appointment made by Vice President Kinley.