Meeting of the State Board of Agriculture
College Board Room

February 3, 1904  10:30 A.M.
Present, Mr. Moore and President Snyder.

The previous being present, adjournment was taken
at 2:00 o'clock P.M.

College Board Room

2 P.M.

Present, Messrs. Moore and Watkins and President Snyder.

The previous being present, the minutes were
adjourned.

All Browne Gray
Meeting of the State Board of Agriculture
College Board Rooms
March 2, 1904  P.M.

Present: Vice-President Graham, Messrs. Moore, Wallace, Nuttens and President Snyder.

The reading of the minutes of the previous meeting was on motion, postponed.

Sidney: The bids for the construction of a power house and for the pump, special room made were opened.

On motion of Mr. Wallace, a committee consisting of

committee appointed by Mr. Graham and President Snyder was appointed with power to act on bids to act in reference to bids for power house, coal sheds and

On motion of Mr. Wallace, the appointment of Major Ellman of New as Commissary to succeed Major Pearson resigned, was approved. Salary to remain as before.

On motion of Mr. Nuttens, the recommendation of the

the salary of Mr. Director of Experiment Station that the salary of Mr.

On motion of Mr. Wallace, the recommendation of the

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A communication from the Alpha Beta Society asking for rooms was, on motion of Mr. Moore, referred to the Secretary.

A communication from Prof. U. P. Hedrick, in reference to previous was, on motion of Mr. Wallace, referred to the President and Secretary with power to act.

On motion of Mr. Wallace, the proposition presented by Prof. Hedrick in reference to a collection of bulleted monthly reports and directions given that the Prof. Hedrick be bound.

A communication from Prof. Shan in reference to revising the grade dairy barn was referred to the Committee on Farm Management.
A communication from Prof. B. A. Mann referred to the Standing stock exhibit at the 1871 State Fair, was also referred to the same committee.

College Board Minutes

March 3, 1874

3 o'clock P.M.

Secrecy of proceedings.

The question of Mr. Walling the recommendation of his stock exhibit at the State Fair was referred to the committee.

The question of Mr. Wallace, of Walling's recommendation for a scholarship was referred to the committee.

The committee on Exhibits gave the following report:

The Committee on Employees gave the following report:

The Committee recommends the election of Prof. A. B. Kemp, A. B., Professor of Physics and Electrical Engineering, at a salary of $3,000 per annum, as is heretofore understood that Henry L. Redd, Instructor in Chemistry, be granted leave of absence for the first six months of the school year, beginning March 20th, and that his salary continue until June 1st.

It is further recommended that the C. A. M. be the C. A. M. be elected Instructor in Horticulture for the remainder of the year at a salary of $3,000 per annum. The President is authorized to endeavor to make the salary $3,000, if necessary, to retain the services. He is authorized to make an additional offer of such an arrangement can be made satisfactorily.

The recommendation of the Finance Committee for the purchase of the State Fair and the amendment of the order of the Board of Directors of the Land Association was authorized to sell all college lands located in New York for 27½ 60c.

The question relating to the correction of description contained in the contract for the sale of salt spring lands in Kansas, as presented in a
communication from Mr. Charles W. Foster was on motion, referred to the committee, with power to act.

On motion, the following resolution was adopted:

Resolved, that $2,000.00 of the Riffe mill fund for the fiscal year ending June 30, 1902, be and is appropriated to the remaining balance of the account appropriated for the Riffe mill, being $4117.33, and the unexpended balance of the amount appropriated for water system, being $15,354.47 be set apart and appropriated for such improvements at the Agricultural College, in accordance with the provisions of Sec. 2, Act 232, Session Laws of 1901."

On motion of President Snyder, it was noted that the Union literary society be supplied with the same amount of coal that they had received in past years.

On motion of President Snyder, it was voted that $200.00 be paid Prof. Neil out of the fund for Power Plant for special services.

The following report of the special committee appointed, to consider the report of the State Accountant, was, on motion of President Snyder, read and placed on the file: "To the Members of the State Board of Agriculture.

Gentlemen,

The committee to whom was referred the report of Mr. Henry Humphreys, State Accountant of the State, of his examination of the accounts of the College, beg leave to report that said examination has

1st, That said accounts are correct.
2nd, The expenditures, the exactness with which the transactions in the secretary's office are found.
3rd, The offer some criticisms to which you are referred to his letter accompanying this report, and said letter and report are made a part of this report."

It will be observed that the criticism is that me to not report the entire official transactions caused by the secretary's duties to the state. While not particularly resenting from his views, we feel that there are paramount reasons of continuing the
present practice of keeping the W.A.C. accounts as at
present.

The college being three and one-half miles from
the city, the banking feature of the W.A.C. accounts
as kept, is a great convenience as it lessens expense
in the collection and payment of its numerous
accounts; besides being convenient and of especial
value to the students who as young men and the experience
of an expert institution distinct from their future
in furnishing them a ready place to deposit their
money, retaining there the identification required
by a bank and the saving in the hours of carrying their
money, or locating if large in the city and much
less liable to pilfering or contamination.

Again, the kind of indebtedness and withdrawing
small amounts by students tends to economize their
money.

We think the conclusion which may be due to
the Board's being familiar with the State Account and
of the trust thereby earned to make the expense of W.A.C.
accounts weigh less therein by paying the heavy
interest of the State account, the furnishing the
superintendent the same as Secretary Board. While
there are a large number of transactions and opportuni-
ties, the demands are fewer, thus the accounts
are grouped into a few general accounts easily examined
and answered. If this plan is followed, it will make
considerable that the Social funds be taken to keep
such a complete record of the State and W.A.C.
accounts that the State Accountant, having accurate
information, does not have any occasion to consider the W.A.C.
account, e. g., the examination of the State account
will be entirely self-pertaining and complete in itself
without its being necessary to inquire into the W.A.C.
account. The board will not scant to follow any
system which is clearly illegal but as we under-
stand at our strictly state colleges there into the
laws from the state or the United States. And
the lack of its transactions so much that entirely
out of the receipts and disbursements, present
the college by reason of its situation.

He recommended that the report of the State
Accountant be received and spread in full upon the
records, also duly filed with the accompanying
letter of Mr. Humphrey.
The committee also recommends that the M.A.C. accounts shall be carefully examined at least twice in each year by the Finance Committee or a special committee duly appointed.

(Par. 7. The list and report referred to above appears in the minutes of the meeting of December 9, 1953.)

The expense bills of Mr. Moore up to the present time are paid.

On motion of Mr. Hathorn, the salary of the President of the Agricultural College was raised to $5,000.00 per year, effective April 1, 1964.

The meeting adjourned.

A. M. Brown, Secy.
Meeting of the State Board of Agriculture
College Board Rooms

April 12, 1864
1:30 P.M.

Present: Vice-president Elbridge Niles, Niles, Ogle, Watson, Morse and President Snyder.

On motion of Mr. Morse, the minutes of the two previous meetings were adopted.

On motion of President Snyder, a communication, as Elementary lessons of Dr. B. R. in reference to elementary science, with the request of the Experiment Station Council.

A communication from Dr. B. R. in reference to the report of the Council of Examiners, on the subject of the wages of Louisianians, referred to President Snyder and the Secretary.

On motion of Mr. Morse, the appointment of Dr. D. B. S. was approved. The secretary's report was read and adopted.

On motion of President Snyder, the appointment of Dr. D. B. S. was recommended for publication.

On motion of President Snyder, it was voted that Senator B. D. be engaged to lecture at the college.

Appointments:

Dr. D. B. S. was appointed as Secretary of the Board of Agriculture, with the rank of Assistant to Dr. Marshall.

Publications:

Dr. D. B. S. was recommended for the publication of a bulletin on the subject of the wages of Louisianians, referred to President Snyder and the Secretary with power to act.

Lectures:

On motion of President Snyder, it was voted that Senator B. D. be engaged to lecture at the college.
The committee to whom was referred the bids for the boiler house and structural steel for the same, presented the following report:

Report of Committee to whom was referred the bids for the boiler house and structural steel:

1. The Secretary and Prof. Need are authorized to close contract with the Black Metal Works Company in case their bid be $2,500.00 or less.

2. The contract for coal shed is held in abeyance for the present.

3. The contract is awarded to Chas. H. Light for the Boiler House in accordance with the bid and deduction made.

The Secretary and Architect are instructed to go over the plans with the contractor and make deductions in plumbing and in all other ways possible without substantially affecting the building.

March 10, 1901.

J.H. Needham

The Secretary read the following report:

To the Honorable State Board of Agriculture,

Gentlemen:

We herewith present the following report of business transacted at our office since the last meeting of the Board:

Your presentation of the resolution passed by you for minor improvements, the State Department has seriously objected to the use of the time. Mind that I request you authorize the substitution of the wood building.

During the recent flood, the basement floor of the Woman's Building was seriously damaged. They have been repaired as best they could with the exception of the one in the Renwal Society room. This could be repaired but not in such a way as to make it suitable for dancing. I should like to have it constructed, as it is.

P.S. A new hard mud floor shall be put in.
In reference to the Porter land matter to which I called your attention at the last meeting and which was referred to me, I desire to pay it at once the following letter to Mr. Fred Darby and to Mr. Christian Roper of the Register of Deeds of Ingham County and receive from them the following reply:

March 15, 1904.

Mr. Fred Darby,
Launcey, Michigan.

Dear Sir,

It appears from the records of my office that you have applied for a deed Sept. 12, 1887 to the W. W. Quarter of the N.W. Quarter of Sec. 36, Launcey Township. It also appears that a contract was given to John Tobias for the W. W. Quarter of the N.E. Quarter of Sec. 35 same Township. Mr. Charles W. Suter, however, has a contract assigned to him which covers the land described in said document. I presume that this is an error. Dr. Suter knows whether Mr. Tobias has in fact claened his lands described as the W. W. Quarter of the N.E. Quarter of Sec. 35. If such is not the case, I propose to correct the same. Will you be kind enough to let me hear from you at your earliest convenience.

Yours truly,

A.M. Born, Secretary.

March 15, 1904.

Christian Suter, Esq.,
Register of Deeds,
Launcey, Michigan.

Dear Sir,

Will you kindly let me know why no record show that a deed was made to Mr. Fred Darby Sept. 12, 1887 to the W. W. Quarter of the N. W. Quarter of Sec. 36, Launcey Township from the State Board of Agriculture and also why the deed from the State Board of Agriculture has been made to my party the W. W. Quarter of the N. E. Quarter of Sec. 35 in a manner of Township.

Yours truly,

A.M. Born, Secretary.
Mr. A. M. Brown
Agricultural College

Dear Sir:

Mr. Panto makes me to answer your communication to him of the 18th inst.

The Panta sold the N. W. of N. W. Sec. 36, Larinig, Pomiana, and have held possession and paid taxes since

1887. Mr. John J. Potoch claimed to own the 40 acres directly

next on Sec. 36.

Yours truly,

Jason C. Nichols.

Mason, Mich.

Mr. A. M. Brown
M. A. Q.

Dear Sir:

The records of the office shows that the State
Board of Agriculture disallowed the N. W. 1/4 of N. W. 1/4 Sec. 36
Kankaing, D. P. to P. D. Panto, Sept. 22, 1887, further the
record do not show that any transfer has been
made by the State Board of Agriculture conveying the N. W. 1/4
of N. W. 1/4 of Sec. 36. Hon. L.

Yours truly,

C. M. Keene.

I think it would be proper to execute a deed to
Mr. Panto to show the contract of Mr. John J. Potoch was
assigned if the Board so desire, though it may be
doubtful whether the contract could be enforced at this time.

It is now time to consider the question of the oral
contract for the coming year and I suggest that the
conditions are unusually favorable for taking this
matter up at once.

In accordance with the report of your special
committee upon the boiler shops, contracts have
been entered into with the

Nos. 30 and 30 of Grand

Rapids for the erection of the buildings and the

M. J. R. & P. D. Company of Detroit, for the

and the contracts are as follows:

"This Agreement, made the 1st day of March,
in the year one thousand nine hundred and forty
and between C. Henry, foreman, Construction of Grand
Rapids, Michigan, party of the first part; the

designated the Contractor; and the State Board of
Agriculture, Agricultural College, Michigan, (hereinafter designated the "Owner") party of the second part.

Whereas, it is agreed by the Contractors, in consideration of the fulfillment of the covenants herein made by the Owners, to agree with the said Owners, as follows:

Art. I. The Contractors, under the direction and to the satisfaction of Silas A. Bond, Architect, acting for the Owners, shall construct as a part of this work, build, and shall at their own expense perform all the work mentioned in the specifications and plans on the drawings heretofore and hereafter furnished by the said Architect for the Men's Residence, Engineering Building, Dining Hall, Gymnasium, etc., for the Owners, at Agricultural College, Michigan, which drawings and specifications are hereby identified by the signature of the Owners hereto, and together with the specifications of said Contractors as attached hereto, and are made a part of this contract.

Art. II. The Architect shall furnish to the Contractors such further drawings or explanations as may be necessary to detail and illustrate the work to be done, and the Contractors shall conform to the same as part of this contract so far as they may be inconsistent with the original drawings and specifications referred to and identified, as provided in Art. I.

It is mutually understood and agreed that all drawings and specifications are and remain the property of the Architect.

Art. III. No alterations shall be made in the work shown or described by the drawings and specifications, except upon written order of the Architect, and when so made, the value of the work added or omitted shall be computed by the Architect, and the amount so ascertained shall be added to or deducted from the contract price. In case of dispute from such alleged by either party hereto, the valuation of the work added be omitted shall be referred to three disinterested arbitrators, one to be appointed by each of the parties to this contract, and the third by the two thus chosen, the decision of any two of whom shall be final and binding, and each of the parties hereto shall pay one-half the expenses of such reference.

Art. IV. The Contractors shall provide sufficient, safe and proper facilities at all times for the protection of the work by the Architect or his authorized representative. The shall, within twenty-four hours after receiving written notice from the Architect to that effect, procure to remove from the premises or buildings all materials
Art. II. Should the Contractor, at any time, refuse or neglect to supply a sufficiency of properly skilled workmen, or of materials of the proper quality, or fail in any respect to perform the work with promptness and diligence, or fail in the performance of any of the agreements herein contained, such refusal, neglect, or failure being certified by the Architect, the Owners shall have the right, after three days notice to the Contractor, to provide any such labor or materials, and to deduct the cost therefrom from any moneys then due or thereafter to become due to the Contractor under this contract, and if the Architect shall certify that such refusal, neglect, or failure is sufficient, ground for such action, the Owners shall have the liberty to terminate the employment of the Contractor for the said work and, to either upon the premises and take possession, for the purpose of completing the work contemplated under this contract of all materials, tools, and appliances therefor, and to employ any other person or persons to finish the work, and to provide the materials therefor, and in case of such discontinuance of the employment of the Contractor, he shall not be entitled to receive any further payment under this contract until the said work shall be wholly finished, at which time the unpaid balance of the amount to be paid under this contract shall exceed the expenses incurred by the Owners in finishing the work, such excess shall be paid by the Owners to the Contractor, but if such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the Owners. The expense incurred by the Owners as above provided, either for furnishing materials or for finishing the work, and any damage incurred through such default, shall be audited and certified by the Architect, whose certificate thereof shall be conclusive upon the parties.

Art. III. The Contractor shall complete the several portions and the whole of the work contemplated in this Agreement by and at the time or times hereinafter stated. To be completed not later than September 1st, 1864. The Contractor to pay to the Owners the sum of ten dollars ($10) for every day thereafter the building remains unfinished, subject as provided in Art. III. of this
Contract provided that permits or be given not later than March 15th, 1904.

Art. III. Should the contractors be prevented or delayed in the prosecution or completion of his work by the act, neglect, delay or default of the owner or the architect, or of any other contractor employed by the owner, or of the work by the elements, such as fire, lightning, subaqueous oil, floods, or by the abandonment of the work by the employees through no default of the contractors, then the time limited for the completion of the work shall be extended for a period equivalent to the time lost by reason of such delay or all of its causes aforesaid; but the such allowance shall be made unless a claim therefore is presented in writing to the architect within twenty-one days of the occurrence of such delay. The duration of such limitation shall be certified by the architect, and in the absence of his decision, may be made to arbitration, as provided by Art. III of this contract.

Art. IV. The contractors agree to provide all labor and materials not included in this contract, in such manner as not to delay the material progress of the work, and in the event of failure to do so, thereby causing loss to the owner, he is, in case, that he shall receive, the contractor for such loss, and the contractors agree that if such shall delay the material progress of the work as to cause delay or damage for which the owner shall become liable (as above stated), then they shall make good to the owner any such damage. The amount of such loss or damage, to either party, shall, in every case, be fixed and determined by the architect or by arbitration, as provided in Art. III of this contract.

Art. V. The parties hereby mutually agreed between the parties hereto that the price be paid by the owners to the contractors for said work and materials shall be $32,895.00. The work shall be performed in three hundred and sixty-five dollars, subject to addition and deductions, as hereinafter provided, and that such sum shall be paid in several funds by the owner to the contractor in installments, as follows:

On estimate as made by the architect as the work progresses, not often than once every thirty days, retaining twenty per cent (20%) of all estimates until the final completion and acceptance of the building. The final payment shall be made within thirty days after this contract is fulfilled.
All payments shall be made upon written certificate of the amount due, to the effect that such payment has become due.

If at any time there shall be evidence of any lien or claim for labor, if satisfied, the owner or the paid premises might become liable, and which is chargeable to the Contractor, the owner shall have the right to retain out of any payment then due or thereafter to become due, the amount sufficient to completely discharge him against such lien or claim. Should these prove to be any such claims after all payments are made, the Contractor shall refund to the owner all moneys that the latter may be compelled to pay in discharging any lien or said proceeds made obligatory in consequence of the Contractor default.

Art. 5. It is further mutually agreed between the parties hereto that no certificate given or payment made under this contract, except the final certificate of final payment, shall be conclusive evidence of the performance of this contract, either wholly or in part, and that no payment shall be construed to be an acceptance of defecting masonry or subject to materials.

Art. 15. The Contractor shall, during the progress of the work, maintain full insurance on said work in their own name and in the name of the owner against loss or damage by fire. The policies shall be over all moneys expended in the building, and all materials for the same in or about the premises, and shall be made payable to the parties hereto, as their interest may appear.

The Board of Agriculture shall have access to the building at all times during the progress of the work. This contract is made subject to bonds of 60% of the amount of contract.

Bond to be satisfactory to the State Board of Agriculture.

Art. 39. The said parties for themselves, their heirs, executors, administrators, successors and assigns, hereby agree to the full performance of the contracts hereby contained.

In Witness Whereof the parties to these presents have hereunto set their hands and seals the day and year first above written.

[Seal of State of Michigan]

[Seal of C. Levy]

[Seal of State of Arizona]

[Seal of C. Levy]
Bond

Know all men by these presents, that we, Charles N. Hunt and William C. Hobbs, co-partners, doing business under the firm name of Charles N. Hunt & Co., of Grand Rapids, Michigan, as principals, and the United States Fidelity and Guaranty Company, a corporation created and existing under the laws of the State of Maryland, and whose principal office is located at Baltimore, Md., as surety, we will and severally bind ourselves, our heirs, executors and administrators, and the said surety, its successors and assigns, jointly and severally, firmly by these presents, to answer and pay to the said principals, their heirs, executors and administrators, and the said surety, heads itself, its successors and assigns, jointly and severally, the sum of three thousand dollars, and interest thereon, the sum of one hundred dollars, with costs of suit, which said sum of three thousand dollars plus interest shall be paid, the said principals, their heirs, executors and administrators, and the said surety, heads itself, its successors and assigns, jointly and severally, within the time hereinbefore agreed to.

Signed, sealed and delivered at the city of Grand Rapids, the 1st day of May, 1870.

[Signature]

We, the said principals and surety, have entered into a certain written agreement with the State Board of Agriculture of the State of Michigan, bearing date the 1st day of January, 1870, for the cultivation of soil, machinery, seeds, labor and livestock in said State, and the said principal, the State Agricultural College of Michigan, in accordance with the plans specifications, conditions, etc., prepared therefor and inserted in said contract, and

Whereas, the said surety, by this instrument, guarantees the faithful performance and adherence to the conditions of said contract in accordance with the plans specifications, conditions, etc., therein referred to and made a part thereof, and that the work hereunder shall be first class in every respect and shall be free from defective or improper materials or performance,

Now, therefore, the condition of this obligation is such that if the said principals shall furnish all materials, machinery and labor and livestock and complete said work in such manner as to make the property become as the State Agricultural College of Michigan, in strict accordance with the plans specifications, conditions, etc., therein mentioned and made a part thereof, and shall faithfully perform and fulfill the written conditions of the said contract, then this obligation shall be void, otherwise to remain in full force and effect.

In witness whereof, the said principals have hereunto set their hand and seals, and the said surety has caused these presents to be sealed with its corporate seal, duly attested by the signature of its Vice-President and its Assistant.
Said, sealed and delivered.}{Charles Hoity} (L. D.)
in presence of}{William C. Hoity} (L. D.)

Principal:
The United States Fidelity Guaranty Co.

A. C. Supplee, Asst. Secretary.

H. R. D. Johnson, President.

Albert H. Buck, Asst. Secretary.

Know all men by these presents, that we, Charles H. Hoity and William C. Hoity, co-partners doing business under the firm name of Charles Hoity & Son, of Grand Rapids, Michigan, as Principals and the United States Fidelity and Guaranty Company, a corporation created and existing under the laws of the State of Maryland, and whose principal office is located at Baltimore, Md., as Surety, are held and firmly bound unto the People of the State of Michigan, in the full and just sum of six thousand seven hundred, dollars ($6,700.00), lawful money of the United States, to the payment of which sum, well and truly to be made, the said Principals bind themselves, their heirs, executors and administrators, and the said Surety binds itself, its successors and assigns, jointly and severally, by these presents.

Signed, sealed and delivered this 8th day of April, A.D. 1904.

Whereas, the said Principals have entered into a certain written contract, or agreement with the State Board of Agriculture of the State of Michigan, bearing date the 1st day of March, A.D. 1904, to furnish all materials, labor, machinery, and labor and to erect a farm house in and upon the property herein and described as the State Agricultural College of Michigan, in accordance with the plans, specifications, conditions, etc., prepared therefor and mentioned in said contract, and,

Whereas, the said Surety, by this instrument, guarantees that the said Principals and their agents and all sub-contractors, shall fully pay, discharge and liquidate all claims, accounts and indebtedness of the said Principals and agents and all sub-contractors, for or on account of all labor performed or materials furnished.
in fulfilling and contract and performing its several conditions, as the same may become deemed payable.

Now, therefore, the condition of this obligation is, that if the said ( Principals, their agents and sub-
contractors, shall fully pay, discharge and indemnify all claims, accounts and charges of the said Principals,
their agents and sub-contractors for or on account of all labor performed or materials furnished, in fulfilling
said contract and performing its several conditions as the same may become deemed payable; then this
obligation shall be void, otherwise to remain in full
force and effect.

In Witness Whereof the said Principals have

duly attested, by the signatures of its Vice-President and its Vice-Secretary, the day and year above written.

[Signatures]

[Address]

[Place]

The United States of America to

[Signature]

[Title]

[Address]

[Place]

Contract

This Agreement Made this 21st day of March in the
gun of our Lord, one thousand nine hundred and four,

By and Between, The Russell Steel and Foundry Company

of Detroit, Michigan, a corporation formed under the laws of

the State of Michigan, party of the first part; and the State Board

of Agriculture, party of the second part.

Witness: First, That the said party of the first

part, for and in consideration of the covenants and agreements,

hereinafter contained and conducive to this agreement, specifically

hereby covenants and agrees to and with the said party of

the second part to furnish, deliver and erect with all labor and

at its own expense all structural steel required

for the frame house to be built on said plot on the property

therein described as the State Agricultural College of

Michigan, and in strict accordance to plans, specifi-
cations, etc., of the Consulting Engineer, etc.,

which plans, specifications, etc., are hereto attached

and are hereby understood to be incorporated in and

form a part of this agreement as if the same had been
embodied therein and to be binding as to all the conditions
therein contained upon the parties hereto.

Second. The said party of the first part further covenants
and agrees that it will enter upon the work contemplated
and provided for by this contract and said plans, specifications,
conditions, etc., at such time as will enable it to render
sufficiently perform, finish, and complete, and turn over the
same unto the said party of the second part free from claim or
charge of any kind whatsoever, on or before the first day
of September, 1904.

Third. The said party of the first part further covenants and
agrees that no payment made upon this contract shall be con-
strued as an acceptance of improper or defective material
or faulty workmanship.

Fourth. The said party of the second part hereby
agrees, in consideration of the covenants
and agreements herein mentioned, to be kept by the said
party of the first part, its heirs, executors, and assigns,
and all their successors, to pay to the said party of the first part, the sum
of Three Thousand One Hundred Ninety Four (3,190.94) Dollars.

Fifth. It is further covenanted and agreed by and be-

tween the parties hereto, that all alterations, changes, or detrain-
ents from the plans, specifications, conditions, etc., herein speci-

fied, and referred to, shall be first authorized by the Consulting

Engineer, and all the additional instructions in cost of
construction, including the furnishing of all material

and labor necessary therefor, shall be agreed upon in
miting before the work shall be done necessary to
make such alterations, changes, or detrainments.

Sixth. It is further covenanted and agreed by and be-

 tween the parties hereto, that this agreement becomes

valid and operative only upon the execution and
delivery of a security bond, for the sum of One Thousand
($1,000.00) Dollars, under and pursuant to the provisions
of Act No. 94 of the Public Acts of 1883, and also a surety

bond for the sum of One Thousand ($1,000.00) Dollars

to secure the performance of the terms of this agree-

ment, by the said party of the first part.

Seventh. It is further mutually covenanted and

agreed by and between the parties hereto, that no assignment

of this contract shall be made by said party of the

first part, except on the written consent of said party of

the second part.

Payments will be made on or before the tenth day of
each month for work done and materials furnished and


erected during the preceding month, certified to by the original
writing, as follows:

Sixty (60%) per cent of the brick materials for all buildings,
delivered at site.

Thirty (30%) per cent additional of such bricks to be paid
in cash as the timebuilding is completed. The remaining
five (50%) per cent to be paid within thirty days after the com-
pleted work has been accepted.

In Witness Whereof the parties to these presents have
signed, set their hands and seals the 20th day of June, 1884.

In Presence of

M. D. Johnson
W. H. Crow
P. E. W. Dewey

Board of Agriculture (R.D.)

Accomplished By These Parties, Plaintiff, Defendant, Michigan
Railroad Company of Detroit, Michigan, a corporation
suitably and lawfully made in the name of the State of Michigan
and Amended in accordance with the laws of the State of
New York, and whose principal office is located at 160
Broadway, New York, N.Y., as parties, are bound and fully
bound unto the said Board of Agriculture of the State of Michigan
in the sum and just sum of five thousand ($5,000.00) dollars,
carefully and in good faith, the payment of which said sum
well and truly to be made, the said Principal and
Surety respectively bind themselves, their successors and
assigns, jointly and severally, to the said parties, their heirs,
heirs and assigns, in the sum of five thousand ($5,000.00)
dollars, the said Principal and Surety respectively

Whereas, the said Principal has entered into a certain
written contract with the said Board of Agriculture
of the State of Michigan, bearing date the 21st day of March,
1894, to furnish, deliver and erect, with its own labor
and at its own expense, all structural steel required for
the Power House to be built in and upon the property
herein, and described as the State Agricultural College
Michigan, in accordance with the plans, specifications,
conditions, etc., prepared therefore and mentioned in said
contract, and

Whereas, the said Surety, by this instrument guarantees
the faithful performance and completion of the conditions of
said contract in accordance with the plans, specifications,
conditions, etc., therein referred to, and made a part thereof, and that the work thereunder shall be first class in every respect and shall be free from defective or inferior workmanship or material.

Now, Therefore, the conditions of this obligation is such that if the said Principal shall furnish, deliver and erect with its own labor and at its own expense said structure, as for said purposes, and shall faithfully perform and fulfill the several conditions of said contract, then this obligation shall be void, otherwise to remain in full force and effect.

In witness whereof, the said Principal and the said Surety have caused these presents to be sealed with their corporate seals this day, attested by the official signatures of their proper officers, the day and year first above written.

(Seal)

In Presence of: Russell Newell, Foundry Co.

Principal


Attorney: Luman Newell, D. of New York

Attorney: John O. Lincoln, D. of New York

[Signature]

Resident: L. W. Co. 7 day

State of New York: ss.

County of New York

William A. Brandt, being duly sworn, says: That he is the Assistant Secretary of the American Surety Company of New York; that said Company is a corporation duly licensed, existing and engaged in business as a surety company, under and by virtue of the laws of the State of New York, and has duly complied with all the requirements of said laws; that said Company is solvent and capable of paying all its debts and liabilities without benefit of creditors; that the within is a true copy of the last statement of the assets and liabilities of said Company as required pursuant to section 4 of said Act of Congress, that said American Surety Company of New York, to-wit, more than $2,500,000.00, and all its debts and liabilities and such exemptions as may be allowed by law.


Bond

Know all men by these presents, that me, The Driscoll, of said City of New York, a corporation created and existing under the laws of the State of New York, as principal, and American Surety Company of New York, a corporation created and existing under the laws of the State of New York, as surety, are held and firmly bound unto the People of the State of Michigan in the sum of 25,000 dollars, unto the payment of which sum will and truly to be made, the said principal and surety bind themselves, their successors and assigns jointly and severally firmly by these presents.

Sealed, signed and delivered this 21st day of March, 1904.

Whereas, the said principal has entered into a certain written contract or agreement with the State Board of Agriculture of the State of Michigan, dated the 21st day of March, A.D. 1904, to furnish, erect and set in place and at its own expense, all structural steel required for the Power House to be built in and upon the property, known and described as the State Agricultural College of Michigan, in accordance with the plans, specifications, conditions, etc., prepared therefor, and mentioned in said contract, and

Whereas, the said surety by this instrument guarantees that the said principal and its agents and all sub-contractors, shall fully pay, discharge and liquidate all claims, accounts and indebtedness of the said principal and agents and all sub-contractors, for the money, interest and cost of all labor performed or materials furnished in fulfilling said contract and performing its several conditions, as the same may become due and payable.

Now, therefore, the condition of this obligation is such that if the said principal, its agents and all sub-contractors shall fully pay, discharge and liquidate all claims, accounts and indebtedness of the said principal and agents and all sub-contractors, for or on account of all labor performed or materials furnished in fulfilling said contract—

Subscribed and sworn to this 18th day of January, 1904.

Walter B. Brandt

Walter Plummer, New York Society.
My dear Mr. Blake,

I am glad to hear that you have arrived safely. The weather was quite rough on the journey, but it seems that you have found a comfortable place to stay. If you need anything, please let me know.

Yours sincerely,

Mr. Smith
premium (and $2,000.00 is here mentioned as a reasonable amount under present conditions) for the purpose of advertising the College in the wanted sense and that the expenditure of the amount for such a purpose is a proper function of the governing body and should not be questioned.

On motion of President Snyder, the appropriation for heating for the present period was increased $8,000.00; for the Physical Department $200.00 and for the M.A.C. Record, $100.00.

The following resolution was, on motion, adopted:

Resolved, That Fifty Thousand ($50,000.00) Dollars of the amount arising and becoming available for building and other extraordinary purposes under the provisions of sections 1 and 2 of Act 232, R. S. 1921, be set apart and appropriated for the construction of a Pomona House at the Agricultural College and its equipment exclusive of electrical apparatus.

On motion, adjourned. ills Brown, Secy.
Meeting of the State Board of Agriculture
College Board Rooms
May 14, 1904. 1:30 P.M.

Present: President McEwen, Morris, Abraham, Nallcox, Mathews and President Snyder.

The minutes of the previous meeting were read and approved.

On motion of Mr. Abraham, Prof. Neil and the Secretary, the following were authorized to purchase and lay the pipe in the tunnel:

- Sandgrain
- Steel gratings
- Water supplies

On motion of Prof. Mathews, the purchase of stack and grain for the stack house was referred to Prof. Neil and the Secretary, with power to act, the stack to be of brick.

The resignation of Miss Carrie A. Leford, as Instructor in Domestic Science, and Mr. John M'Intosh, as Instructor in Drawing, was accepted.

On motion of Mr. Mathews, the recommendations of Prof. Snyder in reference to appointments and salaries were adopted.

The following roster of employees as shown in the following roster of employees:

<table>
<thead>
<tr>
<th>President's Office</th>
<th>College Exp. Stated</th>
<th>Total</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>J.R. Snyder, President</td>
<td>$7,000.00</td>
<td>$7,000.00</td>
<td>Hours</td>
</tr>
<tr>
<td>Chief Clerk, Clerk</td>
<td>$500.00</td>
<td>$500.00</td>
<td></td>
</tr>
</tbody>
</table>

Agricultural Department

- Robert S. Shaw, Professor: $3,200.00
- Joseph A. Jeffery, Prof. Supervision: $2,000.00
- George F. Martin, Prof. Research: $700.00
- Inspectors: $2,000.00
- Chief Clerk, Clerk: $300.00
- Chief Clerk, Clerk: $500.00

Botanical Department

- Charles E. Hildreth, Professor: $1,000.00
- Thomas R. Brown, Instructor: $500.00
- H.A. Hight: Instructor: $100.00

Total:

$8,700.00

Hours: 900.
<table>
<thead>
<tr>
<th>Department</th>
<th>College</th>
<th>Exp. Station</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W. A. Beals, Professor</td>
<td>850.00</td>
<td>1500.00</td>
<td>2350.00</td>
</tr>
<tr>
<td>James S. Hinkle, Asst. Prof.</td>
<td>115.00</td>
<td>1150.00</td>
<td></td>
</tr>
<tr>
<td>Burton L. Longyear, Instr.</td>
<td>750.00</td>
<td>100.00</td>
<td>850.00</td>
</tr>
<tr>
<td>Chemical Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frank J. Reid, Professor</td>
<td>1700.00</td>
<td>300.00</td>
<td>2000.00</td>
</tr>
<tr>
<td>Henry J. Reed, Instr.</td>
<td>850.00</td>
<td>850.00</td>
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</tr>
<tr>
<td>P. F. Edwards</td>
<td>650.00</td>
<td>650.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3350.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drawing Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H. S. Holdsworth, Professor</td>
<td>2500.00</td>
<td>2500.00</td>
<td></td>
</tr>
<tr>
<td>Caroline H. Holt, Instr.</td>
<td>750.00</td>
<td>750.00</td>
<td></td>
</tr>
<tr>
<td>Carter Kemper, Pitched, Mich.</td>
<td>900.00</td>
<td>900.00</td>
<td></td>
</tr>
<tr>
<td>English Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horace Edwards, Professor</td>
<td>1800.00</td>
<td>1800.00</td>
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</tr>
<tr>
<td>E. G. Kelly, Asst. Prof.</td>
<td>1000.00</td>
<td>1000.00</td>
<td></td>
</tr>
<tr>
<td>Frederick A. Sanfill, Instr.</td>
<td>850.00</td>
<td>850.00</td>
<td></td>
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<tr>
<td>Bertha M. Shellman</td>
<td>600.00</td>
<td>600.00</td>
<td></td>
</tr>
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<td></td>
<td>3850.00</td>
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<td>Forestry Department</td>
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<td></td>
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<tr>
<td>Ernest G. Pogue, Professor</td>
<td>1500.00</td>
<td>1500.00</td>
<td></td>
</tr>
<tr>
<td>Agricultural Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W. P. Hedrick, Professor</td>
<td>2000.00</td>
<td>2000.00</td>
<td></td>
</tr>
<tr>
<td>Lewis Hume, Instr.</td>
<td>1000.00</td>
<td>1000.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. A. McCree, Asst. Garden</td>
<td>400.00</td>
<td>400.00</td>
<td></td>
</tr>
<tr>
<td>H. B. Shumway, Forestry and Game</td>
<td>500.00</td>
<td>500.00</td>
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</tr>
<tr>
<td></td>
<td>800.00</td>
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<tr>
<td>Horticulture of Exp. Station</td>
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</tr>
<tr>
<td>W. A. Hedrick, Asst. Prof.</td>
<td>1200.00</td>
<td>1200.00</td>
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</tr>
<tr>
<td></td>
<td>550.00</td>
<td>550.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1750.00</td>
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<td></td>
</tr>
<tr>
<td>Library</td>
<td></td>
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</tr>
<tr>
<td>Linda G. Hurd, Librarian</td>
<td>880.00</td>
<td>120.00</td>
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</tr>
<tr>
<td>Caroline P. Allen, Asst. Librarian</td>
<td>400.00</td>
<td>400.00</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Rank</td>
<td>Salary</td>
<td>Total</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------</td>
<td>--------</td>
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</tr>
<tr>
<td>Mathem. of Department</td>
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<tr>
<td>H. M. Linder, Professor</td>
<td></td>
<td>$1500.00</td>
<td>$1500.00</td>
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<tr>
<td>Warren Roberts, Ass't Professor</td>
<td></td>
<td>$1250.00</td>
<td>$1250.00</td>
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<tr>
<td>Richard Stimson, Instructor</td>
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<td>$300.00</td>
<td>$300.00</td>
</tr>
<tr>
<td>J. M. Hartwell, Instructor</td>
<td></td>
<td>$350.00</td>
<td>$350.00</td>
</tr>
<tr>
<td>F. E. Jones</td>
<td></td>
<td>$600.00</td>
<td>$600.00</td>
</tr>
<tr>
<td>Military Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major W. H. Dell, Professor</td>
<td></td>
<td>$750.00</td>
<td>$750.00</td>
</tr>
<tr>
<td>Miscellanea</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>George A. Bond, Architect</td>
<td></td>
<td>$1500.00</td>
<td>$1500.00</td>
</tr>
<tr>
<td>J. A. Allen, Surveyor</td>
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<td>$1250.00</td>
<td>$1250.00</td>
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<tr>
<td>Geo. Miller, Plumber</td>
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<td>$150.00</td>
<td>$150.00</td>
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<tr>
<td>Charles Fox, Watchman</td>
<td></td>
<td>$450.00</td>
<td>$450.00</td>
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<tr>
<td>Ernest Macomb, Editor W. A. Bond</td>
<td></td>
<td>$1000.00</td>
<td>$1000.00</td>
</tr>
<tr>
<td>E. D. Smith, Dean Kindergarten</td>
<td></td>
<td>$450.00</td>
<td>$450.00</td>
</tr>
<tr>
<td>Physical Culture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Claude H. Barn, Teacher</td>
<td></td>
<td>$1300.00</td>
<td>$1300.00</td>
</tr>
<tr>
<td>Secretary's Office</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>A. M. Stearns, Secretary</td>
<td></td>
<td>$300.00</td>
<td>$300.00</td>
</tr>
<tr>
<td>Fred C. Ramsey, Clerk</td>
<td></td>
<td>$250.00</td>
<td>$250.00</td>
</tr>
<tr>
<td>Lena M. Martin, Bookkeeper</td>
<td></td>
<td>$350.00</td>
<td>$350.00</td>
</tr>
<tr>
<td>J. A. C. Earl, Clerk</td>
<td></td>
<td>$450.00</td>
<td>$450.00</td>
</tr>
<tr>
<td>C. H. M. Haynes</td>
<td></td>
<td>$480.00</td>
<td>$480.00</td>
</tr>
<tr>
<td>Department</td>
<td>Name</td>
<td>Salary</td>
<td>Bonus</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------</td>
<td>--------</td>
<td>-------</td>
</tr>
<tr>
<td>Veterinary</td>
<td>G. A. Mathews, Prof.</td>
<td>$1200.00</td>
<td>$300.00</td>
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<tr>
<td>Chemistry</td>
<td>Dr. M.T. Hume, Prof.</td>
<td>$1400.00</td>
<td></td>
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<tr>
<td>Physics</td>
<td>W. P. Carleton, Prof,</td>
<td>$500.00</td>
<td>$500.00</td>
</tr>
<tr>
<td>Agriculture</td>
<td>S. B. Casey, Prof.</td>
<td>$650.00</td>
<td></td>
</tr>
<tr>
<td>Agricultural</td>
<td>W. H. Barrows, Prof.</td>
<td>$1800.00</td>
<td></td>
</tr>
<tr>
<td>Physical</td>
<td>H. D. Best, Prof.</td>
<td>$300.00</td>
<td>$600.00</td>
</tr>
<tr>
<td>Physical</td>
<td>J. J. Myers</td>
<td>$800.00</td>
<td></td>
</tr>
</tbody>
</table>

The filling of all subordinate positions was on motion of Mr. Hare, referred to the President and Secretary, with power to act.

On motion of President Snyder, summer courses in the Mechanical Department were authorized in case there is a sufficient number of applicants, in accordance with the recommendation contained in the following communication from Professor Hare:


President Snyder,

Dear Sir:


These classes should extend over a period of eight weeks and be so arranged that a student could secure a maximum of three courses.

I would recommend charging a fee of ten dollars ($20.00) for a single course and thirty-five dollars ($35.00) in each a Student took three courses.

Yours truly,

Chas. L. Neil."
On motion, the Secretary was directed to secure bids for
hilliform military uniforms.

On motion of Mr. Graham, it was voted that the bulletin
Bulletin of the Institute of Michigan in preparation by Prof. Parson, be
of Michigan published.

On motion of Mr. Parson, Secretary Brown and Prof. Parson
compensation were directed to report at the next meeting on the expense
but a feature of putting six stove heat on Faculty Room and also on
Mrs. Supperly's furnaces and putting present means of heating
in proper condition.

On motion of Mr. Nathaniel, President Moxey and Mr. Graham
officers of the department to consider the violation of the
Nursery laws, nursery law, and take such steps as may be necessary in
the premises.

On motion, it was voted that when the Board adjourn
again to its adjourn to meet Thursday, June 23rd at 9 o'clock A.M.
June 23rd at the College Board Room.

On motion, adjourned.  

A. W. Brown, Secy.
Meeting of the State Board of Agriculture

Held at Land Commissioner's Office

June 1, 1904, 3 o'clock P.M.

President, President Moore, Messrs. Graham, Wallace, Moore and President Snyder.

On motion of Mr. Moore, the following appraisal of college lands in Cerro County was adopted:

Appraisal

<table>
<thead>
<tr>
<th>Description</th>
<th>Acreage</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.E. 1/4 of S.W. 1/4, Sec. 6,</td>
<td>40</td>
<td>1207.50</td>
</tr>
<tr>
<td>T. 4, R. 11, S. 6.5.</td>
<td>40</td>
<td>1225.60</td>
</tr>
<tr>
<td>E. 7 1/2, S. 6.5.</td>
<td>40</td>
<td>1081.50</td>
</tr>
</tbody>
</table>

On motion, the appointment for the Soil-pest Department was resubmitted $150.00 for the present period, at an account of expenses connected with the preparation of the Bird Bulletin.

Board adjourned to meet June 22nd at 9 o'clock A.M.

On motion of Mr. Moore, the matter of the inspection of the wing of the Iowa fair was referred to the Secretary, Mr. Jones.

Herbert J. Moore

On motion of Mr. Graham, President, he was given authority to attend the Jubilee Exercises of the Mississippi State University at Madison, Wis.

On motion of Mr. Graham, the class of 1904 was given permission to erect a memorial fountain on the college grounds in such place as the President and Secretary may direct.

On motion, adjourned.

J. M. Brown, Secy.
Meeting of the State Board of Agriculture.
College Board Room.

June 22, 1907. 9 o'clock A.M.

Present: President Monroe, Messrs. Moore, Allis, Graham, and President Snyder.

The reading of the minutes of the previous
meetings was postponed.

On motion of President Snyder, it was noted that
the Degree of Bachelor of Science be conferred upon
the following persons:

Adler, Arthur, m.
Aher, Archie R., m.
Allison, Alvin L., m.
Albach, Edward, m.
Allison, Robert J., a.
Arnolds, Margaret, m.
Aretz, Lewis B., a.
Baldwin, Chauncey L., a.
Bremer, Clifford D., a.
Brisen, Lott B., a.
Carleton, William E., m.
Carlin, Albert R., m.
Clark, Lawrence R., a.
Coffey, Frank A., m.
Dodge, Arthur C., m.
Hollen, Harry M., a.
Piatt, Paul M., a.
Scovill, Dayton A., m.
Scott, Harley D., a.
Naimch, A. Kenton, a.
Horn and George R., m.
Johnson, Elizabeth, m.
Johnson, Frederick E., m.
Lincoln, Louis, Jr., m.
Lyons, Joel P., m.
McElveen, Malcolm A., a.
Mellby, Robert D., a.
Martin, George E., m.
McNally, George J., a.
McNally, Reuben, a.

Died: June 5, 1907.
Meet. Hendel, I.
Miller, Nelson I.
Moffat, George C.
O'Brien, James T.
Park, Paul B.
Petit, Jacob A.
Robbins, Harold J.
Rogers, Arthur E.
Rude, Alvin A.
Ross, Henry J.
Safford, W. Elbert A.
Schneider, Henry J.
Schutte, Herbert A.
Selby, Elwin A.
Selkirk, Howard A.
Sight, Meriwether
Sight, Katherine
Baker, Robert W.
Ruff, Grace A.
Taylor, Charles B.
Thompson, William C.
Wells, Harry G.
White, George A.
Wright, Charles A.
Wright, Willard J.

And also that the same degree be conferred upon Mr. Robert G. Ferguson as soon as his work is completed.

On motion, adjournment was taken to 2 o'clock P.M.

College Board Room.

2 o'clock P.M.

Same members present.

The Committee on Employees recommended that the salary of Miss Hollman be increased $50.00 and that an additional instructor be appointed for the Drama Department at a salary of $600.00 per year, which recommendation, on motion of Mr. Massie, was adopted.

President Snyder read a letter from a committee of
At a meeting of the class of 1900, presenting a drinking fountain to the
University of Chicago, the Secretary was requested to make a summary
of the work done on behalf of the Board.

At a meeting of President Snyder, Prof. Goddard was
authorized to give permission to attend the meeting of the Society
meeting for the promotion of engineering education to be held
of engineers at St. Louis, September 8th and following.

A motion of Mr. Arahane, the expense bills of
Mr. Wallace and Mr. Moore were allowed.

An act of President Snyder the following
special appropriations for the purchase of apparatus
for the Department, as follows: Mathematical Department, $150.00; Physical
Department, $15.00.

A motion of Mr. Arahane, the report of the
special procedure was received and directed to be
printed in the Board Report.

The bid for the military uniforms was opened and
the bid found to be as follows:

<table>
<thead>
<tr>
<th>Bidder</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morgan and Morris</td>
<td>$16.50</td>
</tr>
<tr>
<td>Robert Barnes</td>
<td>$19.50</td>
</tr>
<tr>
<td>The Greenwood Company</td>
<td>$15.85</td>
</tr>
<tr>
<td>Henderson and Sons</td>
<td>$18.50</td>
</tr>
<tr>
<td>fielder and Sons</td>
<td>$15.40</td>
</tr>
</tbody>
</table>

Cost: $91.95.

On motion of Mr. Arahane, the question of the
contract was referred to the committee on contract for the military uniforms was
reported to President Snyder and the secretary, with form.

The special committee appointed to report in regard
of the committee on Faculty Row, made the following
report:

Your committee, to whom a report was referred, the question
of leasing the licenses in Faculty Row respectfully
report that we have concluded four methods of
leasing as applied to the licenses and the buildings
in Faculty Row, as follows: First, by lease from
central power house; second, by hot water from
same source; third, by individual hot water
...
systems and plants by hot air. He said that there
will be no great difference in the cost of installing any
one of the three, and this is estimated at
$115.00 to $150.00. It was of the opinion that hot water, in a
place from us, all things considered, would be
the best medium for carrying heat for this purpose. As
between individual heating systems for the science
and heating from the central plant, we are disposed to
form the former, chiefly for the reason that occasional
may arise when the individual needs cannot be
readily be compatible with the method of operating
the central plant. The cost of installing hot air
furnaces will be about $150.00 for each house, and
there are four of these that need new equipment
but hot air is both uneconomical and unsatisfactory. Your committee would recommend as
the policy of the college, to replace the hot air
furnaces with individual hot water equipment as
soon as the former come to serious repair. He
would suggest, however, that it would be entirely
feasible and less objectionable to have it
in some of the other buildings, it being located as near the end of
the tunnels.

All of which respectfully submitted.

W. M. Green
Chas. H. Neil.

On motion of Mr. Oakes, the Secretary was
appointed to install hot water systems in all
houses as required near heating plants.

On motion of Mr. Stedal, it was voted that
Mr. Balch be employed continuously as inspector
on the Pont house.

On motion, the following additions to the
appropriations of the several departments were
made for the present period: Mechanical
Department, $25.00; Horticultural Department,
$20.00; Drawing Department, $40.00; M. E. C.
Record, $120.00; Military Department, $175.00;
President’s Office, $130.00; Geological Department,
$100.00 and Special Courses, $125.00.

The following appropriation for the period...
<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex</td>
<td>1/1/1900</td>
<td>$1000.00</td>
</tr>
<tr>
<td>Bob</td>
<td>2/1/1900</td>
<td>$2000.00</td>
</tr>
<tr>
<td>Charlie</td>
<td>3/1/1900</td>
<td>$3000.00</td>
</tr>
<tr>
<td>David</td>
<td>4/1/1900</td>
<td>$4000.00</td>
</tr>
<tr>
<td>Elaine</td>
<td>5/1/1900</td>
<td>$5000.00</td>
</tr>
<tr>
<td>Frank</td>
<td>6/1/1900</td>
<td>$6000.00</td>
</tr>
<tr>
<td>George</td>
<td>7/1/1900</td>
<td>$7000.00</td>
</tr>
<tr>
<td>Helen</td>
<td>8/1/1900</td>
<td>$8000.00</td>
</tr>
<tr>
<td>Isaac</td>
<td>9/1/1900</td>
<td>$9000.00</td>
</tr>
<tr>
<td>Julia</td>
<td>10/1/1900</td>
<td>$10000.00</td>
</tr>
</tbody>
</table>

Note: The amount for Bob on 2/1/1900 was corrected from $1000.00 to $2000.00.
Meeting of the State Board of Agriculture

Inniskin Hotel, Pontiac, Michigan
September 14, 1904. 8 o'clock P.M.

Present: President Monroe, Moess, Bliss, Graham, More, Hathens, and President Snyder.

The minutes of the May and June meetings were adopted.

On motion of Mr. Bliss, Dr. D. Bird was appointed as
Assistant in Animal Husbandry at a salary of $100.00 per
year, beginning September 1, 1899, the appointments
between the College and Experiment Station to be fixed
by the
President and Secretary.

On motion of Mr. Bliss, the salary of Mr. Robinson was
increased to $1,100.00 per annum and rooms, beginning
September 1st, the motion being based upon the recommendation of
President Snyder.

President Snyder presented a communication from a
committee of the Club Boarding Association in reference to a
lake shown, which was, on motion of Mr. Bliss, referred to
a committee consisting of Messrs. Monroe, Snyder and
Moess, with power to act.

A communication from Prof. Hedrick, in reference to
the artificial pond was, on motion of Mr. Bliss, referred
to the same committee.

Dr. Bird decided to
consult the Attorney General and obtain a written opinon
in reference to the sale of fish, poles, etc., upon the
lands of the U. S. Experiment Station.

On motion of Mr. Bliss, it was voted to put in
a gasoline gas plant for the Agricultural Laboratory.

On motion of Mr. Graham, it was decided to
extend the tunnel for the heating system so as to
connect the Armory, Bath House, and A.T.T. Hall.

On motion of Mr. Graham, it was voted that
Director Smith be requested to make a detailed and
comprehensive report, at the next meeting of the Board of the entire work and expenditures of the U. P. Experiment Station from July, 1903, up to the present time.

The report of President Snyder, the superintendent of the South Haven Experiment Station for the fiscal year, for the year ending June 30, 1904, showed a surplus of $12,777.00.

The report of Mr. Todd, on charge of the Experiment Station at South Haven, be read and adopted. The board are requested to direct a report for the South Haven Station for the year ending with the year to be made by Professor Smith for the U. P. Station.

The motion of President Snyder, the expense bill of number eleven, approved.

Adjournment was taken at 8 o'clock A.M., September 13th.

September 13, 1904. 8 o'clock A.M.

Some members present.

The motion of Mr. Abraham, it was noted that Mr. McNaughton, auditor, requested that the Board at the soliciting of the National Farm Journal, of President and Experiment Station makes, at the request of the Board at the soliciting of the National Farm Journal, of President and Experiment Station makes, the request be made of the Board to hold at Des Moines, Iowa, the first week in September.

The motion of Mr. Abraham, the question of the salaries of Miss Yackle and Miss A. Clark, was referred to President and Secretary, with powers.

The motion, adopted.

All members present.
Meeting of the State Board of Agriculture

College Board Rooms

September 30, 1904, 8 o’clock P.M.

Present: President Moore, Misses Graham, More, Bliss. Watkins and President Snyder.

The minutes of the previous meeting were read and approved.

President Snyder presented the question of the lease of a portion of the College Campus for the erection of houses by members of the faculty, in accordance with the plan adopted at Cornell University, and the Secretary was requested to take legal counsel as to the authority of the Board to make such leases.

President Snyder reported the following employees and their salaries:

- Ellen Bach, Instructor in Botany: $600.00
- C. A. Boyer, Instructor in Chemistry: $550.00
- B. A. Pearce, Clerk to President: $100.00
- C. O. Foster, Instructor in Painting: $1,000.00
- Carl Henderson, Instructor in Mathematics: $700.00
- T. J. Knowles, Instructor in Chemistry: $550.00
- E. E. Miller, Instructor in Civil Engineering: $750.00
- William G. Palmer, Instructor in Mechanical Drawing: $550.00
- Mrs. Virginia Perrine, Instructor in Domestic Science: $500.00
- Walter S. Ratcliff, Instructor in Diet and Hygiene: $1,000.00
- C. H. Springer, Instructor in Chemistry: $550.00
- George S. Smith, Instructor in Mathematics: $550.00
- Chas. S. Hillhouse, Jr., Instructor in Chemistry: $750.00
- H. H. Wells, Instructor in Mechanical Engineering: $1,000.00
- Oto N. Blair, Instructor in Mechanical Engineering: $750.00

President Snyder presented the following report from the U.P.

Professor Smith, Director of the Experiment Station:

September 28, 1904.

Station from President Snyder,

July 1, 1903.

My dear Sir:

At the last meeting of the Board, on motion of Mr. Graham, it was noted that Director Smith be requested to make a detailed and comprehensive report at the next meeting of the Board, of the entire work and expenditures during the past year.

Yours truly,

[Signature]

[Address]
of the U. S. Experiment Station from July 1, 1903, to the present time. 

Complying with this request, I have submitted the following report of

Expenditures:

In the year ending June 30, 1904.

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postage &amp; Printing</td>
<td>$111.15</td>
</tr>
<tr>
<td>Freight</td>
<td>$76.93</td>
</tr>
<tr>
<td>Seeds and plants</td>
<td>$93.41</td>
</tr>
<tr>
<td>Seeds</td>
<td>$25.76</td>
</tr>
<tr>
<td>Seeds &amp; plants</td>
<td>$35.10</td>
</tr>
<tr>
<td>Seed, including two sets of Printers</td>
<td>$74.50</td>
</tr>
<tr>
<td>Papers, labels, etc.</td>
<td>$162.55</td>
</tr>
<tr>
<td>Dynamite</td>
<td>$26.95</td>
</tr>
<tr>
<td>Labor</td>
<td>$389.17</td>
</tr>
<tr>
<td>Dynamite since July</td>
<td>$70.50</td>
</tr>
<tr>
<td>Freight</td>
<td>$12.30</td>
</tr>
<tr>
<td>Seeds</td>
<td>$8.35</td>
</tr>
<tr>
<td>Seeds &amp; plants</td>
<td>$3.00</td>
</tr>
<tr>
<td>Payroll</td>
<td>$371.05</td>
</tr>
</tbody>
</table>

**Total Expenditures:** $371.05

**Monthly Payroll:**

- **July, 1904:** $706.34
- **August:** $874.22
- **September:** $842.63
- **October:** $274.12
- **November:** $252.30
- **December:** $50.00
- **January:** $50.00
- **February:** $50.00
- **March:** $76.67
- **April:** $368.79
- **May:** $177.67
- **June:** $383.54
- **July:** $524.24

**Total Payroll:** $4,779.64

**Herschel's salary (11/1903):** $80.00

**Total:** $4,869.64

Note: $1.75 for seeds and $4.00 for seeds and plants.

The above account is not accurate to a dollar but is approximately correct, as is also the classification.

N. B. Accomplished.

Naturally, the bulk of the $4,779.64 spent for labor wages is for pay for implements, for cleaning and detailing, but it should not be forgotten that we have been conducting experiments...
...a vast multitude of small plots. This means the melting of
seeds, fertilizers, and woods and an attention to details not thought
of in actual farm practice. It is all relative. Without a
meaningful system, even the most beautiful of gardens cannot
be kept. In this case, the land was divided into small plots,
with each plot having its own unique characteristics.

The area was cleared of all vegetation and
preparation began. The first step was to prepare the
land for planting. This involved the use of plows and other
farm equipment, which were moved in and out of the
fields as needed. Soil samples were taken to determine
the best crops for the area, and fertilizers were applied to
improve the soil quality.

The next step was to build the fences. This
required a lot of labor, as the fencing material had to be
transported by horse and cart. The fences were
constructed using poles and wire, and were
attached to posts driven into the ground. The fences
protected the crops from animals and other
pests.

The irrigation system was also installed,
with ditches and canals dug to carry water to the
fields. The ditches were lined with stone to prevent
erosion, and the water was supplied by wells dug into the
ground. The irrigation system was crucial for the
success of the crops.

The crops were then planted, with each
plot having its own unique set of needs. The
plants were carefully tended to, with regular
fertilization and irrigation. The harvest was
then ready, and the crops were harvested with
diligence and precision. The harvested
produce was then sold to local markets or
processed for further use.

Overall, the successful farming
practices used in this area
were based on careful
planning, hard work,
and attention to detail.
This allowed the
farmers to produce
abundant crops, even in
the face of harsh
conditions.
came the filled portion and 5½ acres had been used as
looting grounds. The condition of this land was bad enough
because, in addition to the mud which naturally drained into
the area, there had been several pieces of earth thrown around
stands of hay wire and a heavy manure used for fasting
loads on that same. The machinery used had been
thrown with the old shop, and building side tracks and the
recept were used as a road. The men were not
satisfied until the same work and much rubish as
accumulated around a milestone.

However, practically every piece of the fire area in this railroad track had to be dug out. With a pickax, the
clay was taken by the removal of enough stones to make even
shallow plowing possible. The clay was fine, and the
aggregates one hundred major loads which were handled between
the main tracks and the present side tracks of the rail-
road. Plowing revealed a ridge 80 rods long and west
and a couple of rods wide. An almost continuous and
solid belt of stone at a depth of one to four inches. This
stone made it appear that it would be best to dig down to the railroad and in full view of every one
passing. The mud to cover the whole lot of stone
and fix the same not. A wood train taken to
bring to railroad them to the railroad, so they were
dumped along the railroad. This was done at
the railroad, where the station was first located
and therefore partly notice the change for
dynamite, not only about 50 rods from and
of eight acres.

We have now a frontage on the railroad of 40
rods cleared with from 200 to 300 feet
covered of stumps.

The cost of clearing has been immense largely because
it has been impossible to get anyone besides Indians
to do the work and it is a hopeless task to teach them
out of the work. They rely upon brute
force rather than skill, but they are good workers
in situations where an American would refuse
work.

Considerable sand was hauled for grading about
the same, one hundred major loads last December
and an equal amount this year in the attempt
to regrade the 2000 feet near the creek, which
has been a continual eyesore and which cannot
be readily drained. This result has been fairly satisfactory
as we have a good catch of alkaline and troubled, or alkaline.
and not top.

Considerable work has been done in the grove of large maples northwest of the house, clearing off underbrush and removing the taller pine for fences, all done by yourself.

Not counting this, a practical twenty acres have been cleared in the time covered by this report.

Ditching:

As already reported, 411.5 ft. of main ditch and 390 ft. of laterals were completed last year on the terrace north of the creek and south of the building. During the present season a ditch 375 ft. long has been put on the same terrace which will require 350 ft. more to finish the job as it ought to be done.

South of the school one main ditch 510 ft. long had been completed this year and a lateral 695 ft. long is in process of construction with a 50 ft. completed and the soil and soft rock removed from the remainder. The soil is scarcely 6 in. deep in part of this ditch and there is less than 3 in. of soft rock which can be taken out with pickaxes and steel bars. To obtain a fall of 2.5 in. to 100 ft. requires the removing of 30 in. of hard rock, usually dolomite, for the most part on a slope where ditching is like granite and excelling hard. For this we are using dynamite, putting in a drill hole every ten to thirteen feet, one half pound of dynamite for each hole. The rock requires more dynamite. The railroad company furnishes the tile. Therefore the whole area south of the creek has been too wet for any results of value but these ditches will remove the surplus water.

It has been necessary to fence the recently cleared areas and to do this the first holes have been blown out with dynamite except near the headquarted house where dynamite has been forbidden.

Mr. Guegan says that he estimates the cost of the clearing of 17 acres at least $125.00 per acre. This is more than double what it should have cost to clear an average acre with groom stakes and the greatest part of the extra cost is due to the extraordinary conditions mentioned. The cost of the other four acres will not exceed $50.00 per acre. The ditching south of the creek will average eight cents per foot while the cost on the south side will average 35c.

I have shown you briefly what has been accomplished in the way of clearing and other work.
proven, you are also interested in the question what the
Station has done to help advance in the Mass of the
things accomplished. It has been shown
That certain varieties of apple trees are adapted to that
northern climate which other varieties are not. It is
therefore necessary to form an early idea of the
varieties and the work of the Station.
The apple trees should be planted on account
of the early fruit and that certain varieties of
flowering must be adopted that can take
measures that certain varieties of other fruits are as well
in that the Station has tried and all the publicity cannot be
excluded from the list.
That all of the small fruits do well, as well as
berries and that certain varieties are more resistant
as others.

That apple trees do an exceedingly profitable crop
resist the late frosts and make a very profitable
conditions

That vegetables fall buds after their maximum
and that varieties in England of growing are
necessary. That potatoes, for instance, do better if
planted in the fall, that many, but may be left in
the ground and wintered, that onions and beets cannot
be selected for early planting and robber vines. Our work
has been and may still be done in these

that mustard was good and other early crops

does remarkably well, done as practically a total
failure, while wheat are forcing.

The curves of the climate in the fact that finds
some without noticing almost at not quite every
month in the year. The are keeping careful records
and are publishing the facts exactly as they are.
A record that sometimes is the excessive rain fall,
especially in August and September, making the

difficult, sometimes impossible.

I submit these facts without comment.

Yours respectfully,

W. D. Bruell, Director

On motion of Mr. More, the following resolution

"Resolved, That we hereby certify to the
Auditor General that of the excess bonded balance
of the $100, 000, 00 bond under the provisions of
Act 282. Laws of 1901, for the fiscal year ending June 30, 1902, no specific amount will be required to cover the current expenses of the Agricultural College for that year.

Resolved, That there be hereby appropriated, under the provisions of Act 282, Laws of 1901, the sum of $2,000.00 for the extension of tunnels and additional equipment.

An motion, the expense accounts of Board member were allowed.

Adjournment was taken at 8 o'clock A.M. October 1st.

College Board Minutes:

October 1, 1904. 8 o'clock A.M.

Present: President Moore, Messrs. Graham, Hathaway, More and President Snyder.

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

Resolved, That operations at the Upper Peru Valley Experiment Station, during the ensuing fall, be confined solely to experimental work only, unless otherwise specified by the Board.

On motion of President Snyder, $500.00 was added to the appropriation of the English Department for additional assistance in the correction of papers.

On motion, adjourned.

Will Brown, Secy.
Meeting of the State Board of Agriculture.

College Board Room.

November 16, 1874 11:30 o'clock P.M.

Present: President Moore, President Martin, President Bache, President Kibbey.

The minutes of the previous meeting were read and approved.

The resolutions of the Board of Agriculture of the Philadelphia Convention of December 21st, 1873, at Philadelphia, to the Governor of Pennsylvania, authorizing the Secretary of the American Society of Agriculture, at Washington, to issue and conduct the proceedings of the American Society of Agriculture, at Washington, were read and approved.

$180.00 added to the budget of the American Society for the purchase of the names and addresses of state agricultural colleges.

Mr. Smith moved the adoption of Mr. A. H. Smith's request of the American Society for the purchase of the names and addresses of state agricultural colleges.

In reply, Mr. A. H. Smith said that the request of the American Society for the purchase of the names and addresses of state agricultural colleges was granted.

The president read the following report:

Report of Secretary.

The secretary presented the following report of the proceedings of the American Society of Agriculture.

During the latter summer and early fall months, the society met in the following places: Baltimore, Washington, Detroit, the General's, the Hotel and the great hall of the State Senate, conferring four weeks of session, at an average cost of about $300.00.

And as the present report is rapidly approaching an end, it is not necessary to extend it seriously.
by you. The boiler house contract was considerably delayed through the failure of the Russell Shoe & Company to execute their contract in accordance with the specifications. The boilers, as originally built, were inadequate and unsatisfactory and unsound. Additional work was required to be done, before the contractors were permitted to erect them. Finally the company was asked to reduce the contract price, in consideration of difference in material, delays, and expenses, by the amount of $1325.00, which it consented to do. Much credit is due to Mr. Neil for the zeal and energy with which he followed up this matter, which might have been overlooked, and brought about the final terms of settlement. The principle, assumed more responsibility, and a deeper interest, than his position required and, if so, I trust that you will take this into consideration. The new boilers are here, the stack completed, the contract for the stokers has been signed and the work on the boiler house will soon be completed.

I wish to call your attention to the condition of our water supply. I have been told that, the two wells which are now here, have failed to supply all the water that is required, notwithstanding the fact that no one has been supplying the Bath House with water from the river through the old main. At frequent intervals, it has been impossible to raise the water to the third floor, thus causing great trouble with the clerks, and especially with the kitchen of the Wickersham Building. If it be necessary, I think, to put down another well at once.

As directed by you, at a previous meeting, I consulted with the Attorney General, or rather with his Deputy, Mr. Crane, in reference to the ceiling of the U.P. Station, and was advised that we might sell the same at once and I accordingly asked Mr. Merriam to secure a bid on it. In the meantime, a letter has been received from the attorney of the Cleveland-Cleve.

I have also consulted the same authority in reference to the Lowell plan of leasing lots for building purposes and was advised that in his opinion, the Board of Agriculture had not the requisite authority to make such leases without a special act of the Legislature.

The city of Lawrence have asked to lease us a part of the old dynamo which we arc
no longer using and I bring the matter to your attention at this time to take such action as you may see fit.

As the layout improvement account is to be permanent one, it will be necessary to supplement the appropriation for it. It will also be necessary to take land of the appropriation for the U.P. station for which some was turned for the same and the amount may be paid out of $300.00. The appropriation of the Chemical Department is also provided for in $250.00.

All of which is respectfully submitted.

A. M. Page, Secretary.

The matter of Mr. Wallace, the secretary was directed

in an agreement, to take with the Attorney General the question of settle-

for issue with the Cincinnati Iron Co. But under this contract

whence the Upper Musquana station deports, also the matter

relates to the contract of the Musquana company with

the College for the clearing of lecture spots of the

race lands.

Sale of old dynamo

The question of Mr. Wallace, the question of the sale

of old dynamo was referred to the president and

Secretary for action.

Appropriation.

The appropriation of Mr. Hunse, there was appropriated

for U.P. station in the U.P. station, for the period ending June 30, 1900.

The sum of $350.00.

The following resolution was on motion, adopted:

Resolved, 1st, That there is hereby appropriated, under

the provisions of Act 192, Session Laws of 1901, the sum

of $500.00 for layout improvements, at the Agri-
cultural College.

Resident and laymen

The motion of Mr. Hunse, the president and secretary

was given authority to put down one or two new

hose wells as, in their judgment, may secure best.

$350.00 added.

The motion of Mr. Hunse, $350.00 was added to the

appropriation of the Chemical Department, for the same

period.

The motion of Mr. Hunse, the following resolution

was adopted:

WHEREAS, By provisions of Act 194 of the Public

Acts of 1903, the Commissioner of the State Land
Office is authorized and empowered to sell the timber from the Agricultural College lands under such rules and regulations as may be prescribed by the State Board of Agriculture.

Whereas, one of the provisions of the said act is that the said lands, from which it may be proposed to sell any timber, under the provisions of said act, shall have been offered at public sale pursuant to Act 21 of the Public Acts of 1873, and to have been held by the State, one year after such public offering, and

Whereas, there has been this day, offered to this Board by the Commissioner of the State land Office, a list of such lands at said in Bereda County, and which have been so offered at public sale, and held for at least one year after such public offering, therefore be it

Resolved, That said State Board of Agriculture hereby authorizes the Commissioner to sell within next week, all timber in the following descriptions, at not less than the apportioned value fixed upon these lands, by the said Board on November 4, 1903, to wit:

- N 1/4 - N 1/4 Section 10, $910.23
- S 1/2 - N 1/4 Section 23, 131.11.35
- S 1/2 - N 1/4 Section 22, 2161.48
- S 1/2 - S 1/2 Section 24, 1017.22
- S 1/4 - N 1/4 Section 25, 1824.74
- N 1/4 - S 1/4 Section 25, 1163.40, All in 27. N. 26

Berea County.

The motion of President Snyder, the expense bill of all members, was approved.

The motion adjourned.

[Signature]

[Signature]
Meeting of the State Board of Agriculture.
College Board Rooms.

December 10, 1904.
1:30 P.M.

Present: President Minor, Messrs. Walls, Moore, and Moreau.

No persons being present, the meeting adjourned.

All Brown Secretary.

Meeting of the State Board of Agriculture.
College Board Rooms.

January 3, 1905.
10 o'clock A.M.

Present: President Minor, Messrs. Walls, Moore, Moore, Nutting, and President Snyder.

The minutes of the previous meeting were read and approved.

President Snyder presented the resignation of Mr. Minor, as foreman of the grounds which was accepted.

Appointment of Mr. Liberman as foreman of the grounds for a period of five years, to take effect January 1, 1905, at a salary of $50.00 per year, and course.

Sugar beet course

Unfinished course 25.00 increased for one year.

Recommend for purchase of microscopes for the Botanic Department was referred to President Snyder, with report.

A communication from Prof. Heffin referred to a special appointment for the Mechanical Department was referred to the Mechanical Department Committee.