Meeting of the State Board of Agriculture  
College Board Rooms  

Jan. 13, 1908  
Nine o'clock, A.M.  

Present: President—Abraham Messer; Secretary—Weller,  
Schroeder, Martin, and President—Snyder.  

On motion of Mr. Martin, the minutes of the previous  
meeting were approved without reading.  

On motion of Mr. Martin, the Secretary was authorized  
and directed to advertise for bids for the proposed Agricultural building,  
the due date February 11th at four o'clock, P.M.  

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

Resolved—That, after this year, no person will be  
employed or retained as a teacher who is affected with tuberculosis,  
except by special request of the college.  If a teacher is suspected of having and disease  
which he has not been able to produce evidence  
showing otherwise, in this particular.  

On motion of Mr. Schroeder, the resignation of Mr.  
Riner, as instructor in Domestic Art, was accepted to take  
effect when his successor is appointed.  President—Snyder  
was authorized to employ someone for this position.  

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

Resolved—That in view of the opportunity which  
the Board of Agriculture has to offer to Prof. A. H. Howard, and the  
resignation of Mr. Martin, the Board recommends that Prof. A. H. Howard  
be appointed, with the approval of the State Board of Agriculture,  
the Dean of the Agricultural College.  

Employment of field-forester:  

On motion of Mr. Martin: President—Snyder was  
authorized to employ a field-forester.  

Mr. Watkins, representing the Alumni Advisory Committee,  
appeared officially before the board and expressed the  
thanks of the committee for the courtesy of the board.
in requesting the cooperation of the Alumni in furthering the interests of the college, and judged the happiness of the committee in so possible way.

The motion of Prof. Bissell was adopted.

An inciting under the direction of President Snyder, to make arrangements be purchased for the purchase of a second engine for the experimental laboratory, and to be paid for out of the funds of the next fiscal year.

An motion of Mr. Waterbury, the recommendation of Mr. Bissell be employed as Chemist in regard to the employment of Mr. Bissell as Research Assistant in Chemistry, and Mr. Mr. D. Shriver, as Research Assistant in Botany, at salaries of $200.00 per annum, to be paid from the Adams fund, was adopted.

The motion of allowing the Union Literary Society to build an addition to its building was on motion of Mr. Waterbury, referred to the committee on Buildings and College Property.

The Secretary read a communication from the President and Secretary of the Michigan Agricultural Association requesting that an invitation be extended to the American Agricultural Congress to hold its next meeting at the College.

The Secretary was adopted.

Resolved: That the State Board of Agriculture of Michigan extend a cordial invitation to the American Agricultural Congress to hold its next annual meeting at the Michigan Agricultural College.

The motion of Mr. Waterbury the following resolution was adopted:

A communication from Prof. Kezie in regard to the departments, names of the men in the experiment station, was on motion of Mr. Waterman, referred to the President and Secretary, with direction to present a detailed scheme covering the entire subject.

On the advice of the Farm Committee, the recommendation of Prof. Shaw in regard to horses, and also in regard to a field agent to assist in the improvement of the state, were on
In reference to the recommendation concerning the
heading of an exhausted and worn-out firm, the Committee
offered no recommendation; and in motion, it was decided
that no man should be employed by the College to take
charge of the work at the present time, but otherwise the
matters should be left in the hands of Prof. Shaw.

In motion of Mr. Doherly, the following resolution
was adopted:

Resolved: That no class be the custod of policy of
the College to receive no limbs distinct from any outside
source, except and so is regularly purchased by the
College authorities.

On motion of Prof. Shaw, the motion of Prof. Shaw was made
Dean of the Technical work in Agriculture, including
Antarctic, Veterinary, and Botanical sciences, with the title
Dean of Agriculture.

On motion, adjourned to meet Tuesday, January 11th
at four o'clock P. M.

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

College Board Rooms

February 11, 1905, 11 o'clock A.M.

Present: President, Charles Means, Marion, Wabash County.

In motion of Mr. Means, the minutes of the previous meeting were approved without reading.

President Means presented a letter from Miss Feldkamp, Assistant in the Library, requesting release from her contract which was, by action, granted to take effect about the 15th of February.

In motion of President Snyder, the traveling expenses of Mr. Means were discussed and approved and the motion of the American Agricultural Association to March all agricultural was authorized to be paid out of the M. A. C. Circuit Board.

By motion of Mr. Snyder, the following report made by the special committee on the particular business:

Your committee to whose was referred the matter of name, to be used in connection with the several sub-divisions of the College and the term Division in connection with the several sub-divisions of the College, and the term Division in connection with the sub-divisions of the Experiment Station, and that this distinction be adhered to in all official publications.

Respectfully submitted,

J. L. Snyder.
W. M. Bellom.

In motion of Mr. Dolbeau, the bids for the Agricultural Building were opened and found to be as follows:

George J. Heman, Lansing

158, 224.00

H. C. Constable & Co., South Bend, Ind.

162, 688.00

Hagaman & Scully, Lansing

161, 715.66
H. V. Snyder & Sons, Chicago... 4,879.50.00
Empire, Pothscho, Nichols, Lansing...
A. L. Martin & Company, Lansing...
D. J. Smith & Sons, Port Huron...
Standard Construction Co., Chicago...
C. M. Reid & Co., Detroit...

Roses was taken to 7 o'clock P. M.

7 o'clock P. M.

Present, Governor Skinner, Messrs. Fratney, Holley, Marion, and President Snyder.

Governor Skinner was made acting chairman.

On motion of Mr. Holley, the stone for the Agricultural Building is to be blue stone, machine cut.

On motion of Mr. Fratney, the adament plaster was cut out and plaster satisfactory to the architect to be used.

On motion of Mr. Fratney, patent flooring was taken out of the basement.

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

Resolved that if Michigan Fireproof brick satisfactory to the architect can be used, it will decrease the cost of the building, then the Michigan brick be to be used.

On motion of Mr. Holley, recess was taken to 9 o'clock A. M., February 12th, at which time the meeting is to be held at the Governor's Office.

Governor's Office
February 12, 1907 9 o'clock A. M.

Same members present.

President Snyder was made chairman.

On motion of Mr. Holley, the Board adjourned to meet at the Guardian House, Detroit, Saturday, February 15th, at one o'clock P. M.

Guardian House, Detroit
February 15, 1907 2 o'clock P. M.

Present President Nabors, Governor Skinner, Messrs. Marion, Fratney and President Snyder.
An motion of Dr. Nunner, patent maincoating to
be used on the corridors and stairway.

An motion of President Snyder, reinforced concrete stairs
to be changed to stone walls with trim.

An motion of Mr. Matthews, gauge mortar to be
used in basement instead of cement mortar.

An motion of President Snyder, black painted stair rail
or be used instead of plated. Georgia pine floor_stept instead
of white pine and small stone panels at the top of pilasters
to be cut out.

An motion of Mr. Doblete, Thompson black are to be
used if a further reduction of $150 can be obtained.

The contract was awarded

H. E. Christie Co. Co. to the lowest bidder, H. E. Christie Co. for the sum of

$747.33.25 and the president and secretary of the Board
and the architect were authorized to close the contract.

An motion of President Snyder, it was noted that
when the Board adjoins, it adjourns to meet at the College
during the Round of buildings at a date to be fixed by
the Secretary.

An motion of Mr. Doblete, the bonds to be required
of the contractors due to be surety Company bonds of
Twenty-five thousand dollars each.

The motion, adopted.

All present signed.

J. H. Brown, Secy
Meeting of the State Board of Agriculture
College Board Rooms
February 26, 1908, 4 o'clock P.M.

Present, President Graham, Mra. Wallace, Masten, Natherby, and President Snyder.

The minutes of the previous meeting were read and approved with the exception that the contract price for the erection of the Agricultural Building is $147,250.00 was omitted in the resolution offered by Governor Warner at the meeting held in Detroit on February 15th for the awarding of the contract to F. A. Christian.

On motion of Mr. Masten, the exact location of the Agricultural Building was left with the president, secretary and architect.

On motion of Mr. Wallace, the following resolution was adopted:
Resolved, That Mr. P. W. Bank, of South Michigan, be employed as superintendant of construction for the erection of the Agricultural Building, at a salary of $110.00 per month during the course of construction as long as his services are satisfactory.

On motion of Mr. Natherby, the following resolution was adopted:
Resolved, That the actual and necessary expenses of one delegate from each County Institute Society to the State Round-up at the Agricultural College, February 25th to 28th, shall be allowed and paid, not a maximum limit of five dollars. Provided, that in case of delegations from the Upper Peninsula, the maximum limit shall be ten dollars.

On motion of Mr. Wallace, the following resolution was adopted:
Resolved, That under the provisions of Sec. 1, Ch. 20 of the Public Acts of 1907, Fifteen Thousand ($15,000) dollars are hereby set apart for the erection of an Agricultural Cultural Building at the State Agricultural College for classes of heating, lighting and plumbing, in addition to any amount already appropriated.
to the sum of One Hundred Thirty-five Thousand ($135,000.00) Dollars already appropriated for the same purpose, by a
previous resolution which is now on file at the office
of the Auditor General.

The secretary presented the following contract and
bonds covering the erection of the Agricultural Building:

Contract for
erection of
April 26th,

"This Agreement, made the Twenty-sixth day of February
in the year One Thousand Nine Hundred and Eighty-two
between H. W. Christian Co., of South Bend, Indiana, a
corporation organized under the laws of the State of Indiana,
party of the first part (hereinafter designated the Contractor),
and the State Board of Agriculture of the State of Michigan,
party of the second part (hereinafter designated the Owner),

Witnesseth that the Contractor, in consideration of the
agreements, terms and conditions of the
agreement herein made by the Owner, agrees unto the said
Owner as follows:

Article I. The Contractor shall and will provide all
the materials and perform all the work for the erection
and completion of a three story brick Agricultural Building
to be built on the grounds of the Michigan Agricultural
College, East Lansing, Michigan, as shown on the drawings
and described in the specifications and schedule I hereto,
published by Edwin B. Crowell, Architect, which drawings
and specifications and schedule A are identified by the signatures of
the parties hereto, and become thereby a part of this contract.

Art. II. It is understood and agreed by and between the
parties hereto that the work included in this contract is
to be done under the direction of the said Architect, and
that his decision as to the true construction and meaning
of the drawings and specifications shall be final. It
is also understood and agreed by and between the parties
hereto that such additional drawings and explanations
as may be necessary to detail and illustrate the
work to be done and to be furnished by said Architect,
and they agree to conform to and abide by the same as
far as they may be consistent with the purpose and
intention of the original drawings and specifications
referred to in Art. I.

It is further understood and agreed by the parties
hereto that any and all drawings and specifications pre-
pared for the purposes of this contract by the said
Architect or any other are his property; and that all
changes for the use of the same, and for the services of said Architect, are to be paid by the said Owners.
Act III. No alterations shall be made in the work
except upon written order of the Architect; the amount
to be paid by the Lessor or allowed by the Contractor by
virtue of such alterations to be stated in writing signed
by the Lessor. If the Lessor and Contractor do not agree as to
amount to be paid or allowed, the work shall go on under the
order required above and in case of failure to agree, the
determination of said amount shall be referred to arbitra-
tion, as provided for in Act XII of this contract.

Act IV. The Contractor shall provide sufficient, safe
and proper facilities at all times for the inspection
of the work by the Architect or his authorized represen-
tative; shall notify twenty-four hours after receiving
written notice from the Architect to that effect, proceed
to remove from the grounds or buildings all materials con-
demned by said written notice, contained or concealed,
and to take down all portions of the work which the Architect
shall by like written notice condemn as unsound or
improper, or as in any way failing to conform to
the drawings and specifications; and shall make
good all work damaged or destroyed thereby.

Act V. 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,
when contained, such refusal, neglect or failure being
certified by the Architect, the Lessor shall be at liberty
after three days written notice to the Contractor, to
provide any such labor or materials, and to deduct
the cost thereof from any money 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 Lessor at all times be
at liberty to terminate the employment of the
Contractor for the said work and to enter upon the
premises and take possession for the purpose of
completing the work included 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 therefore, and
in case of such discontinuance of the employment
of the Contractor, they shall not be entitled to
receive any further payment under this contract
until the said work shall be wholly finished, at
which time, if the unpaid balance of the amount to be paid under this contract shall exceed the expense incurred by the Owner in furnishing the work, such excess shall be paid by the Owner to the Contractor, but if such expense shall exceed such unpaid balance the Contractor shall pay the difference to the Owner. The expense incurred by the Owner as herein provided, together with furnishing materials and furnishing the work, and any damage sustained through such default, shall be certified and paid by the Architect, whose certificate thereof shall be conclusive upon the parties. 

Art. X. The Contractor shall complete the several portions, and the whole of the work, as comprehended in this agreement, by and at the times hereinafter stated, viz.: The entire work, as circumscribed in this contract, to be completed not later than the first day of June, 1901. It is expressly stipulated by the parties to this contract, that for each day that the building shall remain unfinished after the date above specified, the Contractor shall pay to the Owner the sum of ten dollars, as provided in Article 7 of this contract, and provided further, that the Contractor is given possession not later than March 1st, 1901.

Art. XI. Should the Contractor be delayed in the prosecution or completion of the work, by the act, neglect or default of the Owner or the Architect, or of any other Contractor employed by the Owner upon the work, or by any damage caused by fire or other causes by which the Contractor is not responsible or by common action of workmen, or for any cause caused by or resulting from default or omission on the part of the Contractor, then the time herein fixed for the completion of the work shall be extended for a period equivalent to the time lost by reason of any or all the causes aforesaid, which extended period shall be determined and paid by the Architect, but no such allowance shall be made unless a claim therefore is presented in writing to the Architect within forty-eight hours of the occurrence of such delay.

Art. XII. The Owner agrees to provide all labor and materials essential to the conduct of this work, not included in this contract in such manner as not to delay its progress, and in the event of failure so to do, thereby causing loss to the Contractor, agree that they will reimburse the Contractor for such loss, and the Contractor agree that if they
shall delay the progress of the work so as to cause loss in which the Owner shall become liable, then they shall reimburse the Owner for such loss. Should the Owner and Contractor fail to agree as to the amount of loss contemplated in this Article, the determination of the amount shall be referred to arbitration as provided in Art. XII of this contract.

Art. IX. It is hereby mutually agreed between the parties hereto that the sum to be paid by the Owner to the Contractor for said work and materials shall be One Hundred Thirty seven Thousand Three Hundred Fifty Dollars, subject to additions and deductions as hereinafter provided, and that such sums shall be paid by the Owner to the Contractor in current funds, and only upon certificate of the Architect as follows: upon estimates made by the Architect as the work progresses not oftener than once every thirty days, retaining ten per cent on all estimates until the final completion of the building.

The final payment shall be made within thirty days after the completion of the work included in this contract, and all payments shall be due when certificates forthwith as above.

If at any time there shall be evidence of any lien or claim for which, if established, the Owner of the said 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, an amount sufficient to completely indemnify them against such lien or claim. Should there prove to be any such claim after all payments are made, the Contractor shall refund to the Owner all money that the latter may be compelled to pay in discharging any lien on said premises made obligatory in consequence of the Contractor's default.

Art. X. It is further mutually agreed between the parties hereto that no certificate given or payment made under this contract, except the final certificate or final payment, shall be conclusive evidence of the performance of this contract, unless wholly in fact, and that no payment shall be construed to be an acceptance of defective work or improper materials.

Art. X. The Contractor shall insure and keep inured the building in question as soon as said building
shall be sufficiently completed to receive insurance on
builder's risk, in some good and responsible company
to be approved by the State Board of Agriculture, against
losses and damages by fire, for the full amount from
time to time as the progress of the building will warrant
and given the giving to the State Board of Agriculture.

Art. XIII. In case the Lumber and Contractor fail to
agree in relation to matters of payment, allowance or
losses referred to in Art. XIII of this contract, or
should either of these differ from the decision of the
Arbitrator referred to in Art. XIII of this contract, which
decision shall have been filed in writing with the
Arbitrator within ten days of the announcement of such
decision, then the matter shall be referred to a Board
of Arbitrators to consist of one person selected by the
Lumber, and one person selected by the Contractor, thus
five to select a third. The decision of any two of the
Board shall be final, and binding on both parties
hence. Such jointly elected shall pay one-half of the
expense of such reference.

Art. XV. The Lumber shall have access to the building
at all times during the progress of the work.

Art. XVI. This contract to be accompanied by sixty
company endowment bonds given by the contractor for
sum of five thousand ($5000) Dollars each to insure the
faithful performance of the contract, and the payment of
all bills for labor and material.

Art. XV. The following Contractors are included in
this contract: Edward P. Biggs for cut stone, (P.M.R.
stone), Cider Brandy, S. Libell, H. F. P. Pint C., Horton
Hardman C., Detroit Concrete & slate C., Chrysler & Coffin,
Reinforced Concrete C. to be approved by Architect.

The said parties for themselves, their heirs, successors,
executors, administrators and assigns, do hereby agree to
the full performance of the contract herein contained.

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

H. B. Christiansen Co.
By H. B. Christiansen, Pres. (Bldg.)

State Board of Agriculture
By A. P. Holahan, President
By A. M. Brown, Secretary

(Seal of Board of Agriculture)
Schedule A

1. Patent flooring and manseoting and base on ground floor cancelled.

2. In place of patent flooring, more specified for ground floor, to be concrete sidewalk finish.

3. Oak base to be used on all plastered walls of ground floor.

4. All other cement flooring, manseoting and base throughout the building to be changed to asbestos.

5. Cement plaster to be changed to Teflon roll plastic, or as approved by the Architect.

6. Face brick to be changed to Saginaw Building Stone Brick, selected bricks and selected in color.

7. Floor strips to be changed to yellow pine.

8. Cement stone pavers at head of plastic, cancelled.

9. Cut stone changed from sand stone to the Bedford stone, stone, and to be machine cut.

10. Gravel mortar on ground floor in place of cement.

Know all men by these presents, that we, the undersigned

Principal

1. South Corp., in Iowa, a corporation created and existing under the laws of the State of Iowa, as Principal, and

Surety

1. South Corp., of New York, a corporation created and existing under the laws of the State of New York, as Surety, are

Hereby jointly and severally bind unto the People of the State of

Michigan in the full and just sum of Twenty-five Thousand ($25,000.00) Dollars, lawful money of the United States, to the payment of which sum, and truly to be

made, the said Principal and Surety bind themselves, their successors and assigns, jointly and severally, by these presents, signed, sealed and delivered this 24th day of February, 1988.

Whereas, the said Principal has entered into a

certain written contract or agreement with the State

Board of Agriculture of the State of Michigan, bearing date the Twenty-first day of February, A.D. 1988, to

furnish all materials, tools, machinery and labor and to erect an agricultural building as and upon the property herein described as the

State Agricultural College of Michigan, in accordance with the plans, specifications, conditions, etc., prepared thefor and mentioned in said contract and

Whereas, the said Surety by this instrument guarantees that the said Principal and its agents and
all and contractors shall fully pay, discharge and liquidate all claims, accounts, 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 and performing the same conditions, as the same may become due and payable.

For, therefore, the conditions of this obligation is such that if the said Principal, its agents and all subcontractors shall fully pay, discharge and liquidate all claims, accounts, and indebtedness of the said Principal, its agents and all subcontractors, for or on account of all labor performed or materials furnished in fulfilling said contract and performing the same conditions, as the same may become due and payable, then this obligation shall be void, otherwise to remain in full force and effect.

In witness whereof, the said Principal and Subs.

have caused these presents to be sealed with their corporate seal, duly attested, in the case of the Principal, by the signature of its President and in the case of the Subs., by the signature of its President, Vice-President and Secretary, this day and year first above written.

H. N. Christianan, Pres.
By H. N. Christianan, Exec.
American Society A. of New York

American Society A. of New York

Contract from the Record Book of the Board of Trustees of the American Society Company of New York

The first quarterly meeting of the Board of Trustees of the American Society Company of New York, after the Annual Stockholders meeting, was held at the office of the Company, No. 100 Broadway, New York City, on Wednesday, January 15, 1907, at 12 o'clock noon.

The secretary read the report of the Nominating Committee as follows: 'To the Board of Trustees of the American Society Company of New York: Gentlemen: The Committee appointed by the Eleventh Committee of this Company at their meeting held Wednesday, December 18, 1907, for the purpose of
nominating officers of the Company for the ensuing year, be here to report as follows: Nominees for 

Place: Indianapolis, Ind. Resident Vice-Pres.: Roscoe A. 

Harkins, Horace C. Smith, E. H. Clarke. Resident Assistant 


John A. H. Hunt.

Whereupon, it was Resolved, that the Secretary be 

authorized to cast one ballot on behalf of the Nominating Committee 

for the officers, members of the Executive Committee, Finance 

Committee, Committee on Accounts, Committee on Capital Stock 

and Council, as recommended by the Nominating Committee 

for the ensuing year; which was done, and therefore the 

aforementioned persons were declared to have been unanimously 

elected to their respective offices for the ensuing year.

The following resolution was adopted: Resolved, that 

the Resident Vice-Presidents be and they hereby are, and each 
of them is hereby authorized and encumbered to execute 

and to deliver, and to affix the seal of the Company 

to any and all obligations for or on behalf of the 

Company, such obligations, however, to be attested in 

very substance by the Resident Assistant Secretary.

Date of New York:

County of New York, SS.

S. H. Holmgren, Assistant Secretary of the 

American Mutiny Company of New York. Do hereby 

 certify that I have copied and the foregoing extracts 

and transcripts from the Record Book of the 

Board of Trustees of the American Mutiny Company of 

New York, with the original record of said Board, and 

that the same are correct extracts and transcripts 

thereof as they appear of record and are set forth 

and contained in said Record Book, and do hereby 

 certify, that I have compared the foregoing resolution 

with the originals thereof, as recorded in the Minute 

Book of said Company, and do certify that the same 

is a correct and true transcript thereof, and of 

the whole of said original resolutions, and that the 

said resolutions have not been varied or rescinded 

since under my hand and the seal of the Company, 

at the City of New York, this Jan. 29, 1928, S. H. 

Holmgren, Assistant Secretary. (Seal)."

"Know All Men By These Presents, that I, S. H. Holmgren, 

as a South Bend, Ind., a corporation created and existing 

under the laws of the State of Indiana, as Principal 

and American Mutiny Company of New York, a corpo.
In the presence of:

- Principal: Elanche B. DePuy (Seal) By H. G. Crumman, Sec.
- As to Principal: Blanche H. Long (Seal) By G. E. Clark, Resident Sec.

For extract of record, see previous bond.

- Board of approval: An motion of President Snyder, the above bonds were approved, subject to the opinion of the Attorney General, as to their form and correctness.

- Appoiment of Plant Department: An motion of President Snyder, $1,400.00 was added to the apportionment of the Botanical Department for the present six months, to cover the purchase of microscopes.

- An motion, adjourned: Hill Brown, Sec.
Meeting of the State Board of Agriculture
College Board Room.

March 18, 1808. 2 o'clock P.M.

Present, President Abraham, Alles, Marston, Hallace, Watsebag and President Snyder.

The minutes of the previous meeting were read and approved.

President Snyder presented a communication from Prof. Joff in reference to the matter of securing trains for the railroad institutes.

On motion of President Snyder, the secretary was instructed to address a communication to the Michigan Railroad Commission requesting them to give permission to the Ore, Marquette and Michigan Central Railroads to forward trains for the railroad institutes and allow them to give free passes to the lecturers.

President Snyder presented the following petition signed by some sixty farmers of Crawford County and the accompanying recommendations from Prof. Joff.

To the Honorable State Board of Agriculture of the State of Michigan,

In view of the fact that the College is conducting experiments on land signed, and also on land leased for that purpose, at South Haven, and on land owned in the upper peninsula, and on the farm at Kanneing, and also in view of the fact that they own land for such purposes, located at Bragging, and in view of the fact that the representatives of farmers of Crawford County have re-examined the fact that the soil of Crawford County is so adapted to agricultural purposes as to be capable of producing nearly all kinds of crops at a reasonable profit. We the better class of farmers of the State of Michigan and others, respectfully petition your Board, to at an early date, once more consider the operations in the way of experiments upon the said Experimental Farms located near Bragging, Crawford County, Michigan.
President J. H. Snyder,

Colleges:

It becomes my duty to forward to you a petition addressed to the Board of Agriculture, praying the Board to commence experiments again upon the farms near Strasburg.

I beg to call your attention in this connection to the fact that the experiments at Strasburg were not continued, first because the ground upon which they were planted was too poor to represent fittingly the good county of Fauquier. No matter if the good citizens of Fauquier County do desire experiments carried on in that county they certainly do not want them made when the details will profit away rather than attract them. I am confident there is no farm plan by which the particular piece owned by this college is not adapted to any kind of agriculture with the possible exception of forestry.

Remembering these things and without going into a large discussion of the matter, I see nothing in the body of any further experiments along agricultural lines he carried on at present but that the Forestry Department be allowed to set out trees on the area between railroad and the strip of forest across the strip. It might be well to try the matter of growing clover for seed.

Yours respectfully,

C. B. Smith, District

On motion of Mr. Wallace, the petition and recommender above referred to were referred to the Experiment Station Committee.

Appropriation for Forestry Dept.

On motion of President Snyder, $8,000.00 was appropriated for the period ending June 30, 1918, for the establishment of a summer school in the Forestry Department.

On motion of Mr. Wallace, Prof. Baker as head of the Forestry Department was authorized to sell, from time to time, such dead, down, and unmarked timber, wild hay, berries, etc., upon the forest reserve as may improve the existing forest conditions of the Reserve lands, all proceeds obtained from college reserve after having passed through the same.
schools appeal to us for help, but as far as we have been able to render them very little assistance.

(3) Many of the high schools of the state are anxious to introduce agricultural departments, and they are calling on us for help in arranging courses of study and training urgently by furnishing them with qualified teachers.

(4) Some of our professors have prepared bulletins for agricultural instruction which are being used in many rural schools. It is believed that this work could, under the guidance of a good man, be made very effective and helpful.

(41) The State College has urged us to give the boys and girls who cannot leave home to take even a similar course at the college some kind of a home study or correspondence course. This class of young people in each county could be organized and in addition to carrying on a course of study could carry on contests in economists, fruit growing, and other lines of work as might from time to time develop.

As evident to everyone that there is a great need to be done almost the lines suggested and also that it is incumbent upon this college to lead off in this work. If we do not, the Normal Schools in some other agency will present the call and the great opportunity, which is at present peculiarly ours, and ours alone, will pass into other hands.

I have been anxious to bring this matter to the attention of the Board for some time, but I have not been able to find until recently a man whom I felt safe in recommending to them for this undertaking. It is not a position for a young man, but a chief man. The one who undertakes it must almost know the state thoroughly, and particularly the public school system and the school work of the state. He must be thoroughly in sympathy with this type of education and the pecuniary needs and conditions of country life. To organize all these forces will call for a high degree of administrative ability. He must be forceful, helpful, and able to endure pain.

W. H. French, the Deputy Superintendent of Public Instruction, I believe is exceptionally well fitted both by training —
mest and training for this work. After months of
study as to what other States are doing, and the various
kinds of work to be taken up, he has concluded to under-
take this work of the Board; and it is left to this
hands. He fully appreciates both the magnitude of the
undertaking and the articles to be written. Therefore
concluded his engagement as Professor of Agricultural
Education at a salary of $2,500 per annum.

It is understood that if this meets with
your approval, he cannot enter upon his duties
until about the first of July.

J. L. Snyder,

The recommendation of Mrs. Manton, Mr. D. J. French,
was elevated to the position of Professor of Agricultural
Education at a salary of $2,500 per annum, be-
coming July 1st, in accordance with the above
recommendation of President Snyder.

President Snyder received the following letter of resigna-
tion from Prof. C. D. Batell, which was, on motion, accepted
according to the effect hereof.

Prof. C. D. Batell, President J. L. Snyder,

My dear sir,

You may well imagine the feelings of an in-
stitution which has served for nearly fifteen years.
I must conclude that the training of its roots, and the
cultivation of its vital connections, shall be painful. How
many students have been years of delightful service, with
most earnest connections with colleagues, with
students and with the people of the State, the effort
to break the ties which bind a man to the college
spires almost superhuman courage. I have delayed
making this to you my resignation as long as
perfectly could bear, because of this inability
to bring myself to the point of doing it. I am in-
expressibly sad, this morning, as I write it.

I am glad to say that my greatest anxiety are gone. What
have been three that I have not received the
lines of the former students of Michigan who have been
of the College the last fifteen years and in the past of
the late President; and I know that these lines mine has been
instructed in the school, and in my correspondence with
hers, and in my correspondence with the State.

[Rest of the text is not legible]
in prepared addresses, on the supposedly unimportant
some in the quiet of my own study, in the heart of
the individual student. What I had done, I could not
it cannot be changed. My hope is that God may make
the good seed to grow, and to bear much fruit in the
yard to come while suppressing the evil wilt desired,
Illinois.

3 thank you again for the battle you have fought for
me, for your continued courtesy to me and for the official
and personal consideration you have given me.

3 predict a more glorious future for the College. Its
growth from now on, as assured by its recent past, student
in increasing numbers must come to its hall, the
quality of instruction given must be better and better.
The State shall gather larger and better harvests
from the work of the College shall do. More and
larger buildings shall adorn the campus and
add to the efficiency of the instruction. In all
these achievements, may you continue to be
an important factor for many long and
pleasant years!

3 love the work of the short course. The
events of the past week have taught me how
much my heart is bound up in that work.
I suggest that you turn this phase of my past
activity over to Professor Shaw, who not only
understands what these young men need and
how to supply these needs, but also is teantly
and enthusiastically interested in the moment.

The Farm Home Reading Circles can be made a
great force for good in the state. I have gathered
the material for the issuing of a new Circular
but have withheld publication until my
successor might shape the course of the
undertaking. To put his personality, unless
they can the personal work, meeting of teachers
and student in the same room, and translation
of the written page into spoken words, the Cirl
cannot be as helpful as it ought. Farmes are
barns, primarily not readers. I hope upon you, there-
fore, the organization of circles of farmers who shall
head a good book, then meet an instructor from
the college who shall review the work with them
followed by an examination. These are other
directors in which this work may be developed.
I ought to be correlated with the extensive work

in schools, with the extension work directed to the improvement of live stock, of plants and of farm methods generally.

Concerning the December station I need say little in this letter, except when appointed by the Board, care in connection with this glorious work. Since I came to the College I have passed the mailing list from 12,000 to approximately 45,000; 22 hand sheets, the station appears from a scroll of suspicion and distinct

to an active force in shaping the methods of farm practice; the funds have increased; the staff has enlarged; the work has become more acute, and scientific; the station has grown in every helpful way. I wish to have some and like Garden "Morgan Park". But for that I have had some possible indication of your interest in the general welfare and the details of progress of the Station, I should find myself unable to maintain the control of it. I believed that your interests are very yet to The Board the proper course to secure a continued progress and satisfactory maintenance and a continuous, safe and constructive service.

Having accepted an appointment to the Presidency of the new State College of Agriculture at Champaign in the state of Illinois, I am called upon to resign my position. The organization of the new college of agriculture in the United States of America, I hereby resign my several offices in connection with the College, the resignation to take effect at the end of the Board.

The autumn in the Southern Hemisphere begins in April, the people are urging me to go South at once. I have therefore tenderly engaged passage on the steamship leaving New York April 20th. Arrive at Kansas City for my work here on the 25th of March. I shall present you a full report of the work accomplished since June 30th, 1907, in order that any studies of office may be fully informed of the present status of affairs in all departments which have been under my control.

Respectfully yours,

C. S. Fletcher, Director of State.
of Prof. Smith's services to the College to be presented at
the next meeting of the Board.

President Snyder presented the following report
and recommendation in regard to the Farm Home
Reading Circles, the short courses, and the Experiment
Station:

In accordance with the request made by Prof. Smith, I wish to place before you the following:

The Farm Home Reading Circles, which have been in his
charge for several years, should, in my judgment, be turned
over to the Professor of Agricultural Education in case such
a person is elected, otherwise it should be in charge
of the Dean of Agriculture to be handled in whatever
way he may think best.

The short courses should be placed in charge
of the Dean of Agriculture, where doubt will settle
them in charge of the professor directly interested.
Consequently, the Professor of Agricultural Education
will bear charge of the short courses in Horticulture, the Professor
of Plowing of the courses in that line of work, etc.

To change a satisfactory for the work of the
Experiment Station is a greater problem. This im-
portant work has developed rapidly during the
last few years. This is particularly true not
reliance on the scientific part of the work. Ten
years ago Dr. Hedgire gave part of his time to this
work, which led to much original investigation. The
work has four or five good men giving all their
time to this work and four or five others giving a
large part of their time to purely scientific work.

The Federal Government, by the passage of the
Adams Act in 1905, doubled its appropriations to the
Experiment Station, with the distinct and emphatic
assertion that the money accruing from this
act should be spent for scientific work. This means,
I presume, that the purely scientific work of the Station
must not only be carefully guarded, but must in-
crease as the amount of money received from the
Adams Act increases. To guide along these lines the
development of the scientific work of the station during
the last few years is one of the chief difficult
problems confronting the Experiment Station. Men
in scientific work must be judged and directed, if
direction is necessary, by a scientific man, by one who understands and appreciates fully the difficulties with which they must contend and who is not expecting nor asking for immediate results or information, which may be obtained by the public before absolute truth has been arrived at. They must be under a man who realizes a study of scientific problems, who is acquainted with the most advanced work in these lines as it is carried on in the great scientific laboratories of the world. It seems to me beyond question that the various lines of scientific work as carried on in our agricultural stations can be most suitably directed along sober lines by a scientific man who has been trained in the field and who has the inclination to make a deep study of these subjects. A man of scientific training would inspire confidence among the staff of scientific workers and would call forth their utmost efforts.

If the entire work of the Station is devoted to research, the Director should, in my judgment, be a scientific man, but this scientific work is only a part of the larger work of the Station. A large amount of experimental work must be carried on, which does not come under the head of research work. The live stock demonstration in sheep, breeding and dairy beef production as carried on recently by Prof. Shaw are good examples of this class of work. This type of work is of great practical value and should be undertaken with as much care as the scientific work. It must be handled by a man of affairs, by one who knows the farmers of the State and their needs, who can meet them and inspire their confidence by his lectures on practical farm problems.

The Director should have a thorough knowledge of farming from the farmer's stand point, should be able to think in dollars and cents as well as by the rules laid down in the books. He should have a broad knowledge of the various lines of experimental work as carried on in the different States and should be able to plan nicely, and direct wisely in working force. He should be big enough and strong enough to recognize and give due credit to the least work on his staff. His personality should be such as to command without effort on his part the confidence and cooperation of all his subordinates and that their criticisms and antagonism. It is no doubt evident to you that
it would be next to impossible to find a man who could
meet all these conditions. Thus all good scientific men
and also men who are well endowed with the other
qualifications, but to find all these qualifications in one
man is practically out of the question.

We have among our members several men
in each of the lines described and if it were entirely
in my hands I would not hesitate to adopt the
following plan:

I would place the station in charge of Prof. Shaw
as director. I believe he has all the qualifications
except those possessed only by the man devoting all
his time to purely scientific work. He has a good
appreciation of scientific work and would as doubt
less distinction had he entered that field. He has
always the ability to select lines of work which
meet the needs of the farmers. He is clear-headed,
knows a good thing when he sees it and is
not afraid to put it into operation. He is a
good business man. These would be no enthu-
siastic expenditures and no silly waste of effort
on unimportant matters. He would command
at once the confidence and cooperation of the
farmers of the State.

No doubt it occurs to you as it did to
me that Prof. Shaw is already a very busy
man. This is true, and the addition of
more work, surely, means that he would have
to drop some of the work which he is now doing.
He now does too much detail work. He is too
valuable a man to spend much time in the same
Laduree. As I know you do, the spirit of the
man at the head of a department who is not
afraid of dirtying his hands and who is ready
at any time to do any sort of drudgery that
needs to be done. This is the way I like to
see every man begin but the good becomes
too valuable to be allowed to spend time and
energy in that way.

On a number of states and some of them among
the leaders the same person is both Dean of Agriculture
and Director of the station. This is true in Illinois,
Minnesota, Iowa, Illinois, New York, Pennsylvania and a
number of other states. There are many mutual advantages
derived from uniting in one person the Deanship and
Directorship. The entire farm can be used if necessary for demonstration or experimental work. Data can be kept on every crop, if desirable, and on all live stock work and each result as are thought worthy can be sent out to the public under the Director's advice. Exchange of fields, if help of trains can be made easily when they are all under one head. On the other hand, the Station can help the class room work by making available for the benefit of the students the results of experiments before they are published.

In order that the valuable work of the station may be encouraged and carefully guarded I should create a new position and would designate its occupant as 'Scientific and Vice Director.' He would in all matters and at all times be under the authority of the Director of the Station. His relation to the Director would be the same as the relation of the head of a department to the President of the College, except that in addition to his duties as Scientific Director he would also hold the position as Vice Director, and act officially in the absence of the Director. He would be charged with the responsibility of receiving and directing, under the authority of the Director, the research work of the Station and especially the work carried on by virtue of the Adams Act. I would place Dr. Marshall in this position.

Such an organization as just suggested would place our Station in the front rank. It would command the attention and the approval of both the scientific men throughout the country as well as the workers among practical lines. The Station has never in the past had the means of anything like the number of good men as it has at present. Under proper management our Station will be able to do a grade of work of a very high order during the next five years.

The salary now paid Director Smith and two of his helpers will employ a clerk at twelve or fifteen hundred dollars per year who will be able to relieve Prof. Shaw of the details of the station work, and also will pass a good man to carry on the work in agronomy, and under the direct charge of the Director. My recommendation, therefore, is that Prof. A. L. Shaw be made Director of the experimental Station, and that Dr. O. C. Marshall be made Scientific and Vice Director with authority and duties as defined in this report.
Recommendation—On motion of Mr. Wallace, the recommendations contained in the report were adopted and Prof. Smith was elected Director of the Agricultural Station and Mr. C. E. Marshall was made Scientific and Vice-Director with authority and duties as defined in this report.

President Snyder, in the absence of Mr. Wallace, read the following, which was, on motion of Mr. Martin, laid on the table until the next meeting of the Board:

As we are led to believe from reliable sources that the advisability of the erection of a large number of fraternity houses for rooming purposes is being seriously questioned by college and university authorities throughout the country, be it resolved, that we grant to the literary societies of this college the privilege of erecting buildings on the college grounds for literary, social and boarding purposes. These buildings may also contain normal rooms for the convenience of the alumni. That no lease be for a long term of years, provided that there is no legal objection, a suitable piece of ground shall be secured for the purposes of the societies. That we agree to furnish heat, water and light to such buildings at no expense and to maintain as far as possible, the same democratic life which has characterized the institution in the past and to further this end it shall be our purpose as long as our finances will warrant it, to erect a large central dining hall, additional dormitories and a gymnasium with parlors and meeting rooms, which may be used for social purposes.

On motion of Mr. Martin the following resolution was adopted:

Resolved: That A. M. Bronn, Secretary of the State Board of Agriculture be authorized and instructed to secure such an agent for the county as he shall deem best fitted for the purpose.
to execute a bond on behalf of said Board to the United States Government to guarantee the safe keeping of said rice and rice seed stocks valued at $6,456.49, the amount of said bond to be $18,912.96.

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

Resolved: That all reports required to be made by the several departments of the College and the several Divisions of the Experiment Station, for publication in the Report of the State Board of Agriculture, as well as the biennial inventories, shall be placed in the hands of the Secretary not later than the 15th of July following the close of the fiscal year for which the reports and inventories are made.

On motion of President Snyder, Messrs. Maude and Much were employed as Clerk to the Secretary at a salary of $600.00 for the year from April 15th to September 1st and then after $700.00.

On motion of President Snyder, the traveling expense accounts of the Board members were approved.

On motion, adjourned.  

William Brown, Secretary.
Meeting of the State Board of Agriculture

College Board Room

May 7, 1905

2 O'clock P.M.

Present: President Graham, Messrs. Wallace, Shattuck, and
President Snyder.

The minutes of the former meeting were read and
approved.

The following resolutions in regard to the resignation of
Prof. C. D. Smith, were adopted on motion of Mr. Shattuck:

Whereas ... and,...

Therefore, be it resolved, that in accepting this resignation, the State
Board of Agriculture have a deep appreciation of the long
appointed by the institution, to which they have, and in the State at
large. His loyalty to the College, his love of Agriculture, his work
in agriculture. With his practical advice, and his great enthusiasm
in the field of agricultural education, have rendered him a signifi-
cant and lasting influence to Agriculture. Generally, as well as in
promoting the growth and development of Agricul-
tural Education.

Resolved: That we extend our very best wishes for his future in his new
field of labor, the same measure of success as we attended his work at
Michigan Agricultural College, and that he take it.

Resolved: That these resolutions be entered upon the
records and a copy sent to Prof. Smith.

Resolution regarding expenditures for

On motion of President Snyder, the resolution in
regard to the Society was presented at a longer meeting.

On motion of President Snyder, the Society was

On motion of President Snyder, the Society was

On motion of President Snyder, the Society was

Summer School authorized to start from the Summer School for teachers,

Centralized Purchasing Committee, to submit to the Board. At the next meeting, a scheme for

Centralizing Purchasing of College Supplies, the same to take effect

July 1, 1905.
On motion of Mr. Wallace, the following resolution was adopted: Resolved, That the revision and laying off the town of East Lawrence, Wick. be, and the same are hereby established to be held by the Board of sometime surveyed the section of land included under the name of the Board adjourn, it adjourned to meet at.Dec. 24th

*Diary of the proceedings of the President of the Board of School Directors for the city of Lawrence, Mass. on motion of Mr. Doane, it was voted that the Board adjourn. On motion of Mr. Doane, it was voted that the Board adjourn. On motion of Mr. Doane, it was voted that the Board adjourn.

The resolution of the Board for the annexation of the land included under the name of the Board adjourn, it adjourned to meet at Dec. 24th.

Communications from Mr. Doane and Director Shaw:

Lett. F, T. Dec. 24th

Director T. H. Shaw,
East Lawrence, New.

I have been trying for a number of years to understand the experimental conditions and work. The results have not been satisfactory. I am writing to express my regret that the work could not be done thoroughly and at the proper time, however much the subject merits further consideration.

I feel sure that the result would rival the experiments of some other writer in the same line. The results of the experiments have been such that the work could not be done thoroughly and at the proper time, however much the subject merits further consideration.

I feel certain that the result would rival the experiments of some other writer in the same line. The results of the experiments have been such that the work could not be done thoroughly and at the proper time, however much the subject merits further consideration.
The lines of investigation.

For some kinds of work, I have been somewhat haphazard in securing the cooperation needed. While most of the
obstacles are readily to be overcome, experiments carried on the several
stations of which had been demonstrated, with the same regard
to the results, are of no value unless there is any question about the results, much
difficulty has been experienced. The land at South Heard is
practically all used for pecan tests, and while only two trees of
a kind it is difficult to calibrate the work along other lines.
If a tract of land of any forty acres could be secured within
some thirty or forty miles from the Audubon Station, part of which
is in your charge, and where the remaining land could be
utilized for experimental purposes, it would greatly facilitate
investigations in horticultural lines.

I would recommend that a field assistant, in
horticulture be secured, who should also be available for
institute work and for various inspections, at a salary of
$20.00 per year, and shall be glad to have you bring it to the
attention of the State Board of Agriculture.

I also recommend the purchasing of such
forty acres of land, or the leasing of such land for a long term
of years, so that at once the work may be at what can be
obtained.

Yours very truly,

In the interest of horticulture.

[Signature]

Recommend to President J.L. [Signature]

[Signature]

Dear sir:

I hereby recommend that himself for the position of the
Professor of Horticulture of the College, and that he be added to
the Board of Directors. I also recommend that the
Superintendent of the South Heard Sub-Station remain under
the management of the Professor, and that he continue to be
a member of the Board of Directors, and also as consul-
ting horticulturist. The following reasons are given in
support of these recommendations: viz.-

1. Under the present organization it is practically
impossible to get anything new to come to the head of the
Horticultural Department. I do not believe in trying to
force the Professor of Agriculture, unless to educational work, the
educator of horticulture is in an investigation, and Vice Versa. At present
the Professor of Horticulture is small, except in a small degree, to
reach the horticultural people of the state, and extend the
educational influence of the several institutions, departmental
influence is centered within the boundaries
of the College grounds. Therefore, upon it, it is essential that
the restrictions inherent in the Department of Agriculture
be removed, and the field work of the state opened up to him.

2. Since the year 1876, about twenty topological
laws have been issued by the Experiment Station Agricultural
or in addition to several agronomic sundries, with great ten
good results. These must be adapted to the existing facts
into which they are to be read and published results of scientific
research work, in this respect and institution is badly
lacking. There is great need for such additional forms of
operation, and a knowledge of character, which would
benefit the farm. Governor, Director, and principal, work for
also a great need for practical demonstration throughout the
state, i.e., equal work as the regulator of neglected orders.

3. The Agricultural Department of the College
is already engaged in the operation of a new and efficient
equipment with much credit due to a large extent in
station and field work, thus avoiding unnecessary expenditure
for equipment in organizing the new work.

Respectfully submitted.

[Signature]

Recommendations of Director Harron were adopted.

Respectfully,

[Signature]
### Agricultural Dept.
- R. S. Kendall: 460
- George Brown: 500
- Bertha Marshall: 600

### Bacteriological Dept.
- Cha. E. Ingalls: 1800 (Campbell)
- Otto Jahn: 1000 (Campbell)
- Assistant in Bacch: 900
- Cha. W. Brown: 750 (Anderson)

### Botanical Dept.
- W. J. Seel: 2000
- J. S. Dambo: 1800
- W. W. Lawrence: 900

### Chemical Dept.
- George A. Rider: 2800
- Henry B. Reid: 1800
- J. D. Donley: 800
- W. J. Ehrlich: 1150

### Drawing Dept.
- Head of Dept.: 2200
- Ruth D. Schwan: 1200
- Assistant in Drawing: 900
- Ge. H. Forster: 800
- Caroline McD.: 500

### English Dept.
- E. King: 1500
- H. R. Geiger: 900
- Frank R. Foreman: 750
- Bernard H. Keld: 600
- Assistant in English: 700
- John C. Patten: 750
- Mrs. T. Levinsohn: 750
## Entomological Dept.

- Prof. Pitts 800 (Current)
- J. P. Percival 500 (Current)
- W. H. K. Shew 300 (Special)

## Forestry Dept.

- C. F. H. Davis 250
- W. H. Stamp 100

## Agricultural Dept.

- H. F. T. Harrop 250
- W. T. Balley 125
- H. E. Willard 75
- E. W. Davis 600

## History & Political Econ.

- W. C. Harland 2000
- H. A. T. Foler 100
- Secretary Harland 75
- Instructor 75

## Institute Professorship

- 1. Mr. Crafts 150 (Current)
- 2. Mr. Crafts 500 (Current)

## Librarian

- Linda E. Landen 800 (Current)
- A. H. Armstrong 800

## Mathematical Dept.

- H. T. Wilder 1200
- Warren Barrows 1500
- J. C. Leaden 1200
- W. D. Irwin 750
- W. D. Brown 850
- S. Grundum 1100
- A. L. Lees 800
- A. L. Lees 600
- C. T. W. 800
- Instructor in Math. 700
- Instructor 700
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<tr>
<td>E. M. McDonald</td>
<td>$900</td>
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<tr>
<td>Grace C. Chapman</td>
<td>$700</td>
</tr>
<tr>
<td>Louis Youngson</td>
<td>$1000</td>
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<tr>
<td>Bessie Remis</td>
<td>$700</td>
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<td>Assistant</td>
<td>$600</td>
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</table>
...
A. M. Brown

State Agricultural College

East Lansing Mich. May 10, 1888

My Dear Mr. Brown:

I am enclosing herewith an additional opinion rendered by the Attorney General relative to the provisions of Act No. 292 of the Acts of 1907 to allow, for the first time, $10,000 for the establishment of the Michigan Agricultural College, in accordance with Act No. 66 of the Acts of 1881, for the establishment of said college.

I am, therefore, requesting you to forward a copy of this opinion to the Board of Agriculture and to the State Treasurer, for the purpose of obtaining the necessary funds from your current surplus funds for the establishment of said college. The funds thus obtained will be placed in your hands for the benefit of the State Agricultural College.

Very respectfully,

[Signature]

Auditor General

Dated by:

J. B. Bradley

General Accountant

Ap. 20, 1908

Dear Sir:

Under date of April 2nd, 1888, I gave you an opinion relating to the establishment of the Agricultural College, by Act No. 246 of the Acts of 1881, for the maintenance of the Michigan Agricultural College, etc. The funds required for the establishment of said college were to be raised by the sale of the lands belonging to the Agricultural College, and the proceeds from such sale were to be used for the purpose of creating a fund to be used for the establishment of the Agricultural College.

In accordance with your request, the Secretary of the Michigan Agricultural College has requested that the funds be returned to the University, and that the Board of Agriculture has authority to expend current funds for re-forestation and other purposes, including the purchase of land and the establishment of a land bank, for the purpose of creating a fund to be used for the establishment of the Agricultural College.

As stated in my former opinion of April 2nd, 1908, the Appropriation made by Act No. 292 of 1907, for the establishment of the Michigan Agricultural College, is for the purpose of raising funds to be used for the establishment of the Agricultural College, and the proceeds from such sale are to be used for the purpose of establishing a land bank, for the purpose of creating a fund to be used for the establishment of the Agricultural College.

I am, therefore, requesting you to forward a copy of this opinion to the Board of Agriculture and to the State Treasurer, for the purpose of obtaining the necessary funds from your current surplus funds for the establishment of said college. The funds thus obtained will be placed in your hands for the benefit of the State Agricultural College.

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Very respectfully,

[Signature]

Auditor General
except certain parts that are especially appropriated for their special purposes.

I beg to call on the part of the Dialogue, Agricultural College Authorities, that it is essential for the

proper education of the Students in said College.

And in order that their many and practical experiences, paid farmers' reserve, should be utilized and that

the Students in certain departments may be used in

refining both horses, hay setting, surveys, and

draining properties as essential to the farming as well as the farm,

contemplated by the act withdrawing such lands from

age. My doubt the State Board of Agriculture regards

the raising authority over such lands with respect to

the protection of the Farms. That said Board call prior to

the language of Acts No. 298 of 1867. To advise said

reservoir, subject, see the figures attached to the

governing Board, will also make paid reserve to all

institutes and express any requirements. Said

With respect to the point, it seems the expenditure

of the money appropriated by said act No. 268, is

intended to those reasons mentioned in the act, or which

had been established at the time said act became a

law. A careful examination of said act No. 268 leads me

to the conclusion that it was the intent of the Legislature

that paid reserve reserve should be paid to each main

one. For lands in the withdrawal from Bald said a

reservoir reserve granted therefor to the benefit of the College.

We apparently raise from the intent of the Legislature

that reserved reserve be termed to each, rather than

that Current expense Appropriation Reservoir be devoted to

for its development and progress. There is certainly

the absence of authority for using the Current

expense funds of said institution for re-investing paid

reserve. This being true, the remedy must still with the

Legislature. The fact that. In the words of the said

by the Students of the Michigan Agricultural College in

certain departments, is not sufficient to authorize an

appropriation of State funds for a scheme so contested by the

Legislature. The fact that these funds are not, after the situation

in my opinion, I am unable to escape the conclusion

therefore, that did it from the intent of the Legislature to authorize an expenditure of Current Reserve Reserve is the

re-senting act of paid reserve, it would have made

some provision therefor.

Yours very truly,

Geo. H. Bird, City Common.
Meeting of the State Board of Agriculture

Oscoda, Michigan

June 3, 1901. 4 o'clock P.M.

Brouard, President; Graham, Secretary; Wallace, Marton; Waterbury, Smith, and President Snyder.

The minutes of the previous meeting were approved without reading.

On motion of President Snyder, the action of the Farm Committee and Prof. Shaw in arranging the terms of rental of sixty-six acres of land with John Torley, was approved, with John Torley and Confidential, and the President and Secretary of the Board Torley were authorized to execute a lease for the same.

On motion of Mr. Marton, all matters of detail in connection with Governmental Expenditure were left entirely in the hands of the President.

On motion of President Snyder, Professor Parkinson was invited to be a member of the faculty.

On motion of President Snyder, Professor Parkinson was allowed $200 as an addition to his salary in place of the rooming fees now charged. The member to date from June 1st.

On motion of Dr. Dehny, it was decided to confer the degree of Master of Science on Dr. E. A. A. Gough at the Commencement.

On motion of Dr. Dehny, President Snyder was authorized to confer degrees upon the graduating class in case of absence from the meeting of the Board. Should the Board fail to hold that meeting.

On motion of Mr. Waterbury, the action of the President and Secretary of the Board in granting the right of way was confirmed.

Mr. Brouard

On motion of Mr. Marton, the policy of Mr. Brouard, taking bonds is to be $2,000 per year, beginning September 1st.
On motion of Mr. Doherty, it was voted that another
town meeting be held at the Board adjourned, at adjournment towards June 22. at 2.0 Clock
Collegium. P.M.at the College.

The Secretary presented a preliminary report upon
the matter of purchasing college supplies. On motion
made by Mr. Wallace (the Secretary of the Committee) it was urged to Cooper
with him with the Secretary Manager of Post Farms, to investigate
the reports of purchasing I

On motion adjourned. Chas Brown, Secy.

Meeting of State Board of Agriculture.
College Board Rooms.

Jun 22, 1905
2.0 Clock P.M.

Present: President Graham, Mr. Osterhoffer and
President Snyder.

On motion of President Snyder, an adjournment
was taken until 3.30 O clock P.M.

3.30 P.M.

Present the same members as above, and Messrs
Marston and Doherty.

The minutes of the previous meeting were read and
approved.

On motion of President Snyder, he was authorized
to confer the degree of Bachelor of Science upon the following


And upon M. Frank Breggs, the degree of Civil Engineer; upon
J. P. Proctor, the degree of Electrical Engineer; upon W. D. Knowl
the degree of Master of Agriculture; upon A. I. Bissell, the
degree of Doctor of Medicine, and upon Dr. E. A. Green, the
degree of Doctor of Medicine.

The bids for supplying military uniforms were opened
and found to be as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dreman &amp; Athens (Inc.)</td>
<td>Detroit</td>
<td>94.20</td>
</tr>
<tr>
<td>Detroit Hygea Co.</td>
<td>Chicago</td>
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<tr>
<td>J. P. Ingram &amp; Co.</td>
<td>Philadelphia</td>
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<td>Queen City Co.</td>
<td>Cleveland</td>
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<tr>
<td>J. H. Arnold &amp; Co.</td>
<td>Cincinnati</td>
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<tr>
<td>J. P. Ginn &amp; Co.</td>
<td>Columbus, O.</td>
<td>14.70</td>
</tr>
<tr>
<td>M. C. Martin &amp; Co.</td>
<td>Columbus, O.</td>
<td>14.70</td>
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</table>

Contract for

J. Reed home.

On motion of Mr. Doherty, the contract for armories
for the next college year was awarded to J. W. Reddell.

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

Resolved: That the resolution proposed at a meeting
of the State Board of Agriculture held July 7, 1907, by which
Certification was made to the State Auditor, that $600,
which had been included in the amount of $10,000,000 of
The tenth state fund required by
resolution of the General Assembly at Agricultural College
During the financial year, be amended so as to read
$10,000,000 instead of $600,000.

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

Resolved: That the resolution proposed by the State Board
of Agriculture at a meeting held February 26, 1908, by which
$3,000 was added to the provision for an Agricultural
Building, be amended so as to read $3,000 instead of
7,000.

A Communication from Prof. T. H. in regard to
Farmers Institute was referred to the Committee on Institute

Report of the

A motion of Mr. Marion, the report of Prof. Ridge
laboratory, for certain repairs in his laboratory, was referred to the
Secretary, with power.
On motion of Mr. Martin the following recommendation of Professor Heming in regard to the rich farmers was adopted.

President J. L. Snyder, East Lansing, Mich.

Dear Sir,

I am pleasure you this line merely as a reminder of the fact that I am strongly of the opinion that a supply of good, well constructed, easy to handle from the Atlantic coast to the farm lands on the south side of Grand River. All things considered, I feel that Mr. Gummere's work satisfactory for the work done at the farm. I should be very pleased to see the work undertaken at once, and any assistance that the farm department can give will be furnished gladly.

Yours very truly,

(P.S.) J. L. Snyder, Director.

On motion of Mr. Martin the following recommendation of Professor Heming in regard to the classification of Experimental Station Bulletin's was adopted.

President J. L. Snyder, East Lansing, Mich.

Dear Sir:

The Experimental Station, Council recommends that the Station publications be classified into four groups as follows:  
1. Popular Bulletin, comprising those of a practical nature, such as can be largely read and clearly understood by the farmers and others who shall have a direct bearing upon the practices of this State. This group will bring publication of the General Group, and numbering 200, which has included the popular bulletin list.  
2. Special Bulletin, comprising such as are for Station report, historic material, limited editions, for special interests. This type is chiefly for the direct distribution, but at the same time, available to all, upon application.  
3. Technical Bulletin. Comprising reports of progress or results of work to scientific for distribution on application by the General Farmers. These can be furnished to the Press, scientific investigators, or anyone making.
Special report of the Secretary.

- Comprising four to eight pages
- Pamphlet or word.
- Discussing practical facts of modern animal husbandry.
- Thus may be supplied to farmers. Three weeks supplied to the farmers in answer to correspondence, and even itself into general circulation along with publications issued when the conditions seem to warrant such action.

Yours faithfully,
P.S. Shaw, Director.

On motion of President [signature] for the following:

A report of funds accumulated by Director Shaw for the experimental station during the past fiscal year, and the classification of experimental station work was adopted.

**Experimental Station Apportionments**

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<tr>
<td>Directorship</td>
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<td>Botanist</td>
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<td>Chemist</td>
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<td>Position</td>
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<tr>
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<tr>
<td>Stenographer</td>
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**Total:** 1563

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**Positions and Titles in Experiment Station**

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<th>300</th>
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<tr>
<td>Stenographer</td>
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*Plant Physiology Section 1500.00  State 54.75 00  Adams 1, 800.00*
The report and recommendation of Dr. Shaw in regard to the re-organization of the General Office of the Farm Department, etc., was referred to the Joint Committee consisting of the Committee on Employees and the Committee upon the Farm Department.

On motion of Dr. Marston, the two rooms in the Agricultural Building, known as the Board Rooms, are to be abandoned for the purpose of Board meetings, and disposed of in such a way as the President may direct.

A petition of certain residents of Leonard Terrace, relating to heating apparatus in regard to heating apparatus, was on motion referred back to the Committee on Buildings and College Property.

On motion, the meeting was adjourned to meet at 8 o’clock A.M. on June 23.

All present agreed.

June 23, 8 o’clock A.M.

Present: Messrs. Oohroff, Spath, and President Snyder. No quorum being present, the meeting was adjourned.
Meeting of State Board of Agriculture

Office of the President of the College

August 6, 1918, 2 o'clock, P.M.

Present: President Snyder, Messrs. Marion, Bliss, Waterbury, Deherty, and President Snyder.

The minutes of the previous meeting were read and approved.

President Snyder reported verbally the appointment of Prof. J. E. Evans, as Professor of Horticulture and Horticulturist of the Experiment Station.

The joint committee to whom was referred the report of Dean Shaw in regard to the reorganization of the Agricultural Department reported recommending the adoption of the report with the following exceptions in the case of salaries: The salary of Prof. Jefferson to be $2,100 instead of $2,200. The salary of A. A. Anderson to be $1,950 instead of $1,600. The salary of W. L. Smolens to be $2,400 instead of $3,500. The salary of H. C. Nonnum to be $1,500 instead of $1,600. The report as amended was as follows.

June 22, 1918.

President J. L. Snyder
East Lansing, Mich.

Dear Sir:

In effecting a reorganization, necessitated by the combination of the office of Dean of Agriculture and Director of the Experiment Station, it was hoped that plans could be matured slowly, conservatively and safely, but conditions seem to have forced an early adjustment. An attempt has been made to formulate a plan of permanent organization, symmetrical throughout all departments, with one department head for each, avoiding the division of responsibility for certain lines of work. We have endeavored to unify the interests of the Agricultural Department and the Experiment Station, which have in the past been widely separated at times. This has afforded opportunity to economize in the use of labor, equipment, men and money. Some departments are now about complete in their organization and equipment; others will have to be
developed. So some care must have been devoted for certain lines of work and it is of the utmost importance that they should be retained for the same. The following recommendations are made after the most careful consideration by Dr. Marshall and myself and the consultation of interested parties whenever necessary.

To abolish:

1. Therefore the Experiment Station and the title of Agricultural Engineer have both had a prominent place in agriculture somewhat similar lines of work in soils and farms, and their work is still necessary. It would seem desirable to retain this plan and give up the titles, as agrology, as so well defined. It seems better to separate entirely the work in soils and farm crops, establishing separate divisions for each, thereby developing each man along some specific line.

2. Therefore I recommend that Professor Jeffery's title be changed to that of Professor of Soils and Soil Physiology, that he be considered the head of the division of soils and also made a member of the Station Council and Soil Physicist of the Experiment Station. I should like to see Professor Jeffery's salary placed on a par with those of full professors. His long service and work would seem to warrant this. (Salary $2,100). Up to the present time we have been unable to select a suitable man to head the division of Farm Corps, and in the meantime I should recommend that Mr. Stone, who has been handling the work of the Farm Department, be retained for the ensuing year as Instructor in Farm Corps, and that his salary be advanced from $1,500 to $1,600.

3. Therefore the responsibility for the various phases of dairy work had too divided among two or three different departments, during the year. I should like to recommend a plan by which one man will eventually become responsible for the dairy work as a whole and that a complete dairy division be organized in the near future. Looking forward, I should like to recommend that Mr. Stone, Mr. Anderson be appointed Assistant Professor of Dairy and that Mr. Anderson, in charge of the Dairy Division, be also the de facto member of the Advisory and Assistant Staff, and Assistant Dairy Husbandman. Likewise the Experiment Station, also that his salary be advanced from $1,350 to $1,500. I recommend that Mr. Livernose, the Instructor in Dairy, be retained, and that his salary be advanced from $1,000 to $1,200. Mr. Livernose would have charge of the instruction and cheese manufacture, etc., in the Division of Dairy.
3. Sales recommends that J. H. Norton be placed in charge of Animal Husbandry, made Assistant Professor of Animal Husbandry and that his salary be advanced from $1,350 to $1,500; that he be made a member of the Advisory and Assistant Staff and assistant Animal Husbandman of the Experiment Station. Mr. Norton would assume direct charge of the division comprising instruction and investigation in horses, beef cattle, sheep and swine. The college has not hitherto recognized an official position in animal husbandry, one of the most important branches.

4. The Farm Department of the Experiment Station during the past year has concentrated its efforts on plant breeding, the object being to produce superior varieties of wheate, legumes, sugar, etc., to be tested and introduced throughout the State by means of 5. Mr. Eggert of the organization of an Experimental Union, consisting of students and M. A. & B. graduates, short course men and farmers. This in turn helps Mr. Eggert, through his most persistent, painstaking, salaried, unceasing effort, and others, marked results. I recommend that he be retained as assistant in Farm Crop (Plant Breeding) and that his salary be advanced from $1,000 to $1,200.

I am sure that in this line is more disinterested than in almost any other. I believe this Station is bound to achieve results, and distinction in this branch of the work if followed up without interruption.

5. I believe that if the services of Mr. Pattin, Station Chemist, are to be retained, it will be necessary to advance his salary to $2,000, and I hereby recommend the same. For conversation with this department I enclose a recommendation from Mr. Pattin relative to his research assistant, Mr. Jodlidi. Relative to Mr. Jodlidi I wish to call your attention to a previous communication relating to permanent salary scale for research assistants.

6. I greatly appreciate the provision made for assistance in the Director's office by authorization in Director's file to employ an expert clerk. Future developments will undoubtedly justify procuring such assistance, but for the coming year I am sure that it will be possible to get along satisfactorily with the services of Miss Ada Scott, the present stenographer, who has become thoroughly familiar with the work. Because of added duties I recommend that she be employed for the coming year at $50 per month.

Respectfully submitted,

R. S. Shaw
Director
On motion of W. B. Bliss, the salary of Miss Mary Smith was made $360.00 per year, inclusive of $320.00 for all office work. On motion of W. F. Houston, the following resolution was adopted:

"Resolved: That it shall hereafter be the settled policy of the Board to hold the annual Round-Up Band Concert at the college."

On motion of W. B. Bliss, the following resolution was adopted:

"Resolved: That of the total amount appropriated for printing, printing and binding, $135.00, of the Agricultural College under the provisions of Act 266, Public Acts of 1909, not more than one hundred Twenty-Five Thousand Dollars ($125,000.00) will be required for accrued expenses during the fiscal year ending June 30, 1909."

On motion of W. F. Doberley, the following resolution was adopted:

"Resolved: That there is hereby appropriated out of the funds granted to the Agricultural College under the provisions of Act 266, Public Acts of 1909, as amended, the sum of Thirty Thousand Dollars ($30,000.00), for an additional appropriation to the agricultural building, in addition to the amount already appropriated for that purpose, making a total of $175,000.00.

The Secretary reported the employment of J. P. B. B. W. as purchasing agent at a salary of $100.00 per month.

On motion of W. B. Bliss, the following appropriations for the period ending December 31, 1909, were adopted:

- Advertising: $12.00.00
- Athletics: 1.00.00
- Bacteriology: 10.00.00
- Botanical: 7.00.00
- Chemical: 7.00.00
- Cleaning: 15.00.00
- Contingent Building: 6.00.00
- Department of Agr. Education: 4.00.00
- Electric Lighting: 5.00.00
- English: 15.00.00
- Entomology: 4.00.00
- Farm: 20.00.00
- Forestry: 12.00.00
- Heating: 10.00.00
- History: 5.00.00
- Horticulture: 2.00.00
- Library: 15.00.00
Mathematical:  $1,000.00
Mechanical: $500.00
M. A. A. Record: $350.00
Military: $300.00
Miscellaneous:

Office, President: $500.00
Secretary: $500.00
Physical:
Registrar: $300.00
Librarian: $500.00
Special Courses:
Telephones: $200.00
Veterinary: $100.00
Nurses: $100.00
Geological: $400.00

Appointments for fiscal year ending June 30, 1907:
BULLETINS: $400.00
Farmer's Institute: $500.00
South Haven Agriculture Station: $1,500.00
U. P. Experiment: $2,000.00

An motion of Mr. Deerty, the Secretary was instructed to erect an addition to the Post Office to give room for the additional books.

The following letter from Mr. G. S. Bond, Architect, was on motion entered on the records, and the substitution therein mentioned, agreed to.

Lansing, Mich., June 22, 1907.

To the Honorable State Board of Agriculture, East Lansing, Michigan:

Gentlemen:

After work had been commenced on the new Agricultural Building, I discovered that the specifications called for common sand brick for common brick work. The reason for its being specified in that way was because of the fact that in the first set of plans and specifications made for this building, the building was not plastered, but finished with a brick showing, and of sand brick was specified because it was a better shaped brick than the clay brick.

In revising the specifications, this was overlooked. The word "sand" should have been omitted as the building is lined with tile and plastered. Where the building is finished, this clay brick is far superior in strength to
the sand brick, and I would prefer using them. As far as cost is concerned, there is no difference between the sand and clay brick.

Before taking any action in this respect, I went with President Snyder and Secretary Brown, and took the matter up with them.

I call your attention to this so you will understand the reasons for our clay brick being used instead of sand brick.

Very respectfully,

E. W. Bown, Architect.

The secretary presented a resolution adopted by the Machinac Island State Park Commission, requesting the advice of the Board of Agriculture of the State to examine the lands and shores of the State Park. On motion of President Snyder, Professor Baker was directed to go to Machinac Island, investigate and make recommendations to the Committee.

On motion of Mrs. Bliss, the matter of the petition of the County Drain Commissioners asking for the right of way to be used in connecting the drain with the college cement conduit on the north side of the campus, was referred to Messrs. Graham, Watson and the Secretary with power.

On motion of Mrs. Bliss, Mr. Doherty was authorized to adjust the matter of the highway along the northern boundary of the Upper Peninsula Experiment Station Farm.

On motion of Mr. Bliss, the bond of Fidelity Trust Company, and Deposit No. Maryland on behalf of Mr. Fidel B. Kennedy, was released as cashier, was released.

On motion of Mr. Watson, Rev. Marshall was authorized to expend an amount up to $500.00 in the interests of his department.

On motion of Mr. Bliss, the secretary was directed to install an electric freight elevator in the Women's Building in place of the one now in there.

On motion, Mrs. Bliss, the secretary was authorized to employ such stenographic help in his office as may be required.

On motion of President Snyder, the next
Meeting of the State Board of Agriculture.

Administration Building, State Fair Grounds,
Detroit, Michigan.

Wednesday, September 9, 1904, 10 o'clock, A.M.

Present: Messrs. Bliss, Doherty, Marston,
Aberdoff and Resident, Snyder.

In the absence of President Graham, Mr. Bliss was made chairman of the meeting.

The minutes of the previous meeting were approved without reading.

On motion of Mr. Doherty, the resolution adopted at the last meeting of the Board, at which the Board of Directors of the Round-Up Institute was to be permanently held at the Agricultural College, was reconsidered; and in so far as the meeting held at present year is concerned, and this meeting was called at Mt. Pleasant.

On motion of Resident Snyder, Mr. Doherty was detailed to represent the State Board of Agriculture at the meeting of the National Association of College Presidents and Experiment Station Workers, to be held at Washington, D.C.

The committee of employment made the
following report on instructors employed under the direction of the Board.

To the Honorable State Board of Agriculture:

To fill the vacancies in the teaching staff caused by resignations, I have the honor to report the following, the salaries of each position being fixed by the Board at a former meeting.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Merrill A. Guthrie</td>
<td>Entomology</td>
<td>8700.00</td>
</tr>
<tr>
<td>Jacob Marshaw</td>
<td>Chemistry</td>
<td>750.00</td>
</tr>
<tr>
<td>Ward A. Parker</td>
<td>Chemistry</td>
<td>750.00</td>
</tr>
<tr>
<td>Thomas H. Mason</td>
<td>Chemistry</td>
<td>750.00</td>
</tr>
<tr>
<td>Charles A. Woodcock</td>
<td>English</td>
<td>750.00</td>
</tr>
<tr>
<td>Herman Annes</td>
<td>English</td>
<td>750.00</td>
</tr>
<tr>
<td>Nora A. Hackett</td>
<td>German English</td>
<td>750.00</td>
</tr>
<tr>
<td>Helen Michaelides</td>
<td>French English</td>
<td>650.00</td>
</tr>
<tr>
<td>Arthur E. Fish</td>
<td>English</td>
<td>750.00</td>
</tr>
<tr>
<td>Lee H. Harington</td>
<td>Botany</td>
<td>700.00</td>
</tr>
<tr>
<td>Ruth E. Canty</td>
<td>Biochemistry and Botany</td>
<td>800.00</td>
</tr>
<tr>
<td>W. E. Laycock</td>
<td>Physics</td>
<td>700.00</td>
</tr>
<tr>
<td>Lillian L. Alford</td>
<td>Endemic Science</td>
<td>700.00</td>
</tr>
<tr>
<td>Walter E. Hawes</td>
<td>Mathematics</td>
<td>700.00</td>
</tr>
<tr>
<td>Phillips Rosengren</td>
<td>Mathematics</td>
<td>700.00</td>
</tr>
<tr>
<td>H. L. Stoff,</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The motion of Mr. Marschall the expense accounts of the Board Members and the Secretary were allowed.

The Secretary presented the following detailed report on the preparation of Marshall in serum to be used in connection with hog cholera.

To the State Board of Agriculture:

Admit me to present before you a statement of accounts in connection with the production of serum for vaccination against hog cholera. For the formation of this statement, we have placed a value of $1,000 on accounts of serum, and 14% on some of would be established only production of our work, and one which the present statement confirms, serum very closely as the actual cost, disregarding investment and a reserve.

You are convinced, doubtless, as to the real value of the serum. A year will give us a better notion of this than these weeks of actual experience. In the first place, it must be considered as a vaccine rather than a curative agent. What is its value in Michigan?
We found at M. A. E. withstand the virus of hog cholera, such as we are using in manufacturing.

Mr. Brown’s hogs at Grand Rapids withstood this same virus. For both instances, the hogs furnished had withstood a natural epidemic of hog cholera. This is the best of evidence (indirect) that the virus in these two epidemics is identical with the virus we are using in the manufacture of serum.

At Flint some pigs have been vaccinated and mixed with a herd of pigs sick with some epidemic disease (presumably hog cholera). Two who have passed and they are still sound.

The extensive epidemic about Three Rivers has received considerable attention, what the disease is just starting in a herd, thus far, very favorable reports have been returned. Where the disease had spread through the herds more or less, as would be expected, the results have not been favorable.

For our own work, that in the manufacture of serum, we have been immuring right along so that at 1 kg that will ordinarily die with the injection of 2 cc. of virus, will withstand 1,000 cc. or more of the virus.

My own conviction at present is that the prospects are very encouraging.

One word about the future manufacture of serum.

Dr. Bosei, in a letter received today says:

"They are all of the opinion that the work should be taken up by the state, and the serum distributed free of charge at a cost price to the farmers." He refers to representations from Pennsylvania, Virginia, Tennessee, Alabama, Mississippi, Louisiana, Colorado, North Dakota, South Dakota, Oklahoma, and Kentucky. I have been in direct communication with Indiana, Missouri, Iowa, Nebraska, Arkansas, Minnesota and Kansas. There states are of the same opinion and preparing to manufacture serum on quite an extensive scale in some instances.

If most states take up this matter and produce serum at cost, there will be little opportunity for commercial firms. The price of serum cannot be made excessive. Because of the value of the hog. Again, there are technical objections at present which will interfere with reliable commercial firms undertaking this work. However, it is my purpose to take this matter up with commercial parties both here and very will acquainted, in order to secure their feeling, but I do not want to do this until I
have the matter well in hand.

As the work progressed in the various states, there will be a great many developments, mostly technical, which will change the completion of this work to a great extent. I do not wish to commit myself in any particular way, so offer false assurances.

My recommendation is that, should our own

寇里氏, the results from our satisfied, at an early date, and should the

reliable, commercial firm not see anything in it for them, we

turn to the manufacture at about the same rate as at present, for the purposes of testing, during the season when jigs are easily secured and the climatic conditions are

not unfavorable for handling, virus, and serum products, to

meet the demand, as it is when they published in front.

We could have used several times over the

produce of our manufacturing upon the Three River epidemic above.

I further recommend that twenty liters of the

serum be kept in reserve to be used in demonstration, full

for just distributing the serum, upon widely scattered epidemics, and that all be

sold over this amount be placed on sale at $2 per liter, for

serum, and $1 per liter, for virus, until such a time as

may be deemed wise to change.

I am not convinced in my own mind how the

expense of treatment should be borne, other than serum and

virus. At present, I do not feel that the serum and virus

can be placed in the hands of farmers or local veterinarians.

Perhaps this matter can be worked out better by demonstration before regular students, short courses, many

veterinary meetings and such other gatherings as will be

interested.

Very respectfully submitted,


<table>
<thead>
<tr>
<th>Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
</tr>
<tr>
<td>-------------</td>
</tr>
<tr>
<td>Feed</td>
</tr>
<tr>
<td>Pigs (8 v)</td>
</tr>
<tr>
<td>Labor (This is the lowest estimate possible up to the present time)</td>
</tr>
<tr>
<td>Travelling Expenses</td>
</tr>
<tr>
<td>B. E. M.</td>
</tr>
<tr>
<td>W. M.</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>Name</td>
</tr>
<tr>
<td>-----------------------</td>
</tr>
<tr>
<td>Charles M. Leacy, enhancements</td>
</tr>
<tr>
<td>620 C.C. Sera</td>
</tr>
<tr>
<td>32 C.C. Virus</td>
</tr>
<tr>
<td>Total</td>
</tr>
<tr>
<td>Rev. A. T. Peters, enhancements</td>
</tr>
<tr>
<td>1200 C.C. Sera</td>
</tr>
<tr>
<td>120 C.C. Virus</td>
</tr>
<tr>
<td>Total</td>
</tr>
<tr>
<td>James Nisbet, Stockcraft, Michigan</td>
</tr>
<tr>
<td>560 C.C. Sera</td>
</tr>
<tr>
<td>27 C.C. Virus</td>
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<tr>
<td>Total</td>
</tr>
<tr>
<td>Amy Randolph, Constantine</td>
</tr>
<tr>
<td>230 C.C. Sera</td>
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<td>23 C.C. Virus</td>
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<tr>
<td>Edgar Mooney, Constantine</td>
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<td>646 C.C. Sera</td>
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<tr>
<td>64.6 C.C. Virus</td>
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</tr>
<tr>
<td>Harry Meyer, Constantine</td>
</tr>
<tr>
<td>920 C.C. Sera</td>
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<tr>
<td>92 C.C. Virus</td>
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<tr>
<td>Total</td>
</tr>
<tr>
<td>Elmer Mathews, Nottawa</td>
</tr>
<tr>
<td>560 C.C. Sera</td>
</tr>
<tr>
<td>56 C.C. Virus</td>
</tr>
<tr>
<td>Total</td>
</tr>
<tr>
<td>Benj. A. Taylor, Nottawa</td>
</tr>
<tr>
<td>125 C.C. Sera</td>
</tr>
<tr>
<td>12.5 C.C. Virus</td>
</tr>
<tr>
<td>Total</td>
</tr>
<tr>
<td>T. H. Baker, Flint</td>
</tr>
<tr>
<td>1000 C.C. Sera</td>
</tr>
<tr>
<td>100 C.C. Virus</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>
Mr. A. C. Young
2,000 CC Serum  44.10
100 CC Serum  1.00  45.10

On hand:
2,000 CC Serum  427.10
500 CC Serum

Estimated serum from 3/15 ready for testing

Total Income

Report filed.

On motion of Mr. Martow, the above report was
received and placed on file, and Director Shaw and Mr.
Marshall were instructed to continue their line of work and
report to the Board from time to time. $200.00 was added
to Mr. Marshall's appointment to cover the necessary expense.

On motion of Mr. Martow, Director Shaw was
asked to report on the practicability of melting machines.

On motion of Mr. Abadaffer, the Secretary was
authorized to heat the east end of Howard Terrace with
steam from the steam mains, and also to construct a high
pressure steam line leading to the chemical Laboratory, Hall:
also to move Hall and Nis Engineering Building, if it was thought desirable.

As to the put in steam into the planed

Eng. Abag.

On motion adjourned, subject to call of the President.

All Brown City
Meeting of the State Board of Agriculture
Office of the President of the College
East Lansing, Michigan

Saturday, October 31, 1907

10:30 a.m. - clock. @ M

Present - President Snyder, Messrs. Meader, Merriam, Deputy, Waterbury and President Snyder.

The minutes of the previous meeting were read and approved.

President Snyder presented the following report:

Report of
Chairman

To the Honorable State Board of Agriculture:

In order that the Board Records may be complete, I wish to report the appointment of the following persons:

Mr. W. J. Wilson, as Professor of Drawing to take

The place of William Holdsworth, deceased. Mr. E. B. McWhirr was appointed to the place in drawing vacated by Mr. Holdsworth. Mr. Adams, at a salary of $720. Miss. Elizabeth Sallgrove, at a salary rate of $360, but to serve only until the end of the winter term.

Mr. C. O. C. W. was appointed to the professorship in botany, made vacant by the resignation of Dr. Fitchett. Mr. Shepherd, Telford was appointed instructor in political economy, at a salary of 

$720, to take the place of Mr. McAlvery, resigned. Miss Eliza Abley was appointed registrar, at a salary of 

$700, and Mr. Fuller, instructor in mathematics, at a salary of 

$700. Mr. J. H. Rand, purchasing agent, at a salary of 

$1,000, and Miss E. Harrison, clerk in the Secretary's office, at a salary of 

$500. Mr. T. A. Beal, physical instructor, at a salary of 

$700, to take the place of Miss Chapman, resigned. Miss

Rosamond Hildreth was appointed assistant in domestic arts, at a salary of $350. Mr. P. M. Peghmidt was appointed assistant in English, at a salary of $750. The Director of the Experiment Station employed Mr. G. B. Collingwood as assistant in chemistry, at a salary of $700.

All these positions were provided for by previous Board actions, and the appointments have been made at

the salaries designated by the Board, with the exception of Mr. Fuller, in mathematics, at a salary of $700 and

Sallgrove for the term of six months at a rate of

$800.

J. S. Wall
It was necessary to have these additional instructors on account of the increased attendance. It has been very difficult in some departments to handle the number of students with the present teaching force. We have, however, succeeded in doing so but may be compelled in one or two departments to employ additional help at the beginning of the next term.

Very truly yours,

J. L. Snyder.

A motion of Mr. Doherty, the following resolution was adopted:

Resolved: That under the authority granted by Act Number 94 of the Public Acts of 1917, the president and secretary of the State Board of Agriculture are hereby directed to cause a preliminary agreement and sales order for the sale and conveyance to the United States government, to be made out by the State fore a weather station, the following described land, situated in the City of East Lansing, Ingham County, State of Michigan and more particularly described as follows:

To Wit: — Beginning at a point in the south line of the land described in the Eastern and Aswell plank road 40 ft. exactly where the intersection of south line of said road with the Township line between T. 14 N., R. 1 W. and T. 15 N., R. 2 W., thence N. 79° 03′ W., 217 ft.; thence S. 79° 21′ E., 220.68 ft.; thence S. 65° 43′ E., 77.66 ft.; thence N. 8° 33′ E., 216.0 ft. to the point of beginning; the exact of land so described containing 49.03 acres more or less.

A motion of Mrs. Doherty, the rental for the post office was fixed at $600.00 per month or $6000.00 per year. The term of rental not to exceed five years.

It having been shown by Doctors Marshall and Burge, who appeared before the board, that a great emergency exists in connection with the isolation and care of students suffering with contagious diseases; the following resolution was adopted on motion of Mrs. Doherty:

Resolved: That the president and secretary are hereby authorized to erect at once a sufficient number of small one story hospital cottages not exceeding four to meet the present needs of the institution in that respect.

On motion of Mrs. Doherty, President Graham and the secretary were requested to look up the practicability of purchasing an electric truck for the use of the college.
Doctors Marshall presented a tabulated financial statement concerning the hospital work up to the present time, showing an expenditure of $17,49,25 and an income, including stock on hand, of $2,577.32. Also a report on kinds of hops treated.

On motion adjourned.

A. M. Brown, Secy.

Meeting of the State Board of Agriculture.

Office of the President of the College.

East Lansing, Michigan.

Saturday, November 28th, 1915. 11:30 o'Clock A. M.

President — President Graham, Messrs. Hartshorn, Akersoff, Waterbury and President Snyder.

The minutes of the previous meeting were approved without reading.

Application for an increase in the salary of Mr. Cassell, clerk of the mechanical department, which was referred to the committee on employees.

On motion of Mr. Akersoff, the following report of Dr. Shaw on milking machines, was accepted and placed on file:

—Report on Milking Machines.—

President J. L. Snyder:

The following is my report in response to the request of the State Board of Agriculture, relating to the use of the milking machines. In preparing this report I have consulted all the experiment station bulletins relating thereto, and have also secured opinions from the principal men of these machines in the state.
The first bulletin on this subject was issued by the Farm Journal, in October 1917, and concluded largely from the opinions of the editors of those machines. The conclusion that -
1. The milking machine has reduced the necessary labor by 50 to 75%.
2. The machines are as efficient as hand milking, both from a standpoint of quantity produced and after effects on quality.
3. Milk drawn by machine remained sweet longer than that hand-drawn.
4. Reliability of the machine depends on its simplicity.
5. For a small farm, the investment is warranted, but would be for fifty or sixty.
6. Even should he select one and be to respond to machine milking.

Bulletin 47, Experiment Station, Brookville, Conn.

1. In the majority of cases the machine drawn milk kept longer than that secured by hand.
2. They do not draw conclusions relative to effect of machine and hand milking as regards effect on quantity.

Bulletin to Ontario Dept. of Agriculture, July 1907

1. For comparative tests for short periods, the results were in favor of hand milking.
2. When machine drawn milk, we have not materially different.
3. General tendency, particularly with the cows, was to go down street after hand milked.
4. Under strict sanitary conditions hand and machine drawn milk showed about the same bacterial content.
5. Would not advise installation of machines unless farm is prepared to fulfill sanitary conditions essential to pure milk production.


1. No difference in yield of milk from machine or hand method was found.
2. No injury is caused attributable to machine.
3. Quality of milk of individual cows remained practically constant whether hand or machine milked.
The following are summaries of private practice using milking machines.

Mr. James M. Zeno - Believes the Burrell machine is at present the only practical horseless machine. It is working well when we have someone to take proper care of it, which is difficult.

F. H. Zeno - The Burrell milking machines are considered the most successful in the field, and are used by large and small farmers. They are compact, easily operated, and produce milk of high quality. The milking machines are all in good condition.

E. W. Ream - The Burrell milking machine is the only one we have used. It is very satisfactory. The cows are milked in one and a half hours, and the labor is less than when using hand milking. The milk is very clean, and the cows are very content.

Frank Ketch - The Burrell milking machines are not too expensive, and are easy to operate. We have had them for several years and are very satisfied.

O. H. They do all that is claimed for them.

J. C. Richarson - I have used the Burrell milking machine for the past year, and I am very satisfied with it. It is easy to operate, and the milk is very clean.

E. W. Ream - We have used the Burrell milking machine for two years, and have been very satisfied. It is easy to operate, and the milk is very clean.

Frank Ketch - We have had the Burrell milking machine for several years, and have been very satisfied.

Frank Ketch - We have had the Burrell milking machine for several years, and have been very satisfied.

Aaron Washington - All the cows in the herd are now milked with the Burrell milking machine.

W. Schleder - We have had the Burrell milking machine for several years, and have been very satisfied. It is easy to operate, and the milk is very clean.
machines for two years and found them all right when operated by careful, competent men; ordinary forms of coal cannot do it.

The writer of the above may not have given much of unsuccessful parties, though they did not know what information I was seeking.

Respectfully submitted,

(Signed) C. S. Shaw.

Salary of

On motion of Dr. Shurtleff, the salary of Doctor

Dr. Marshall was increased from $2500.00 to $2600.00 per annum, to the increase to date from January 1st, next, and to be paid in equal monthly payments from the current account; it being the intention that he shall continue to honorably pay his own expenses in attending the various conventions, but notice it seems desirable that he should be present.

On motion of Dr. Shurtleff, the above was adopted.

Expenditures of

Revised: That in view of the necessity of the

state treasurer, State Treasurer to receive applications of the college, the secretary

for all accommodations and expenses of the board, no and the treasurer hereby,

funds are authorized to arrange for accommodations until such time as the

lands of the state treasurer are available.

The secretary presented an order from Mr. Stogdill,

installation of Mr. Shurtleff, Details showing cost for the installation of

pie-crust fire escapes, which was referred to the committee on buildings

and college property.

On motion of President Shurtleff, the expenses of the

reception of the number of students, were paid.

On motion adjourned.

All present signed.

W. T. Brown, Secy.
Meeting of the State Board of Agriculture
Office of the President of the College
East Lansing, Michigan.

Wednesday, December 23rd, 1909, 2:10 o'clock P.M.

Quorum: President Graham, Messrs. Bliss, Marriott, Boherty, Waterbury and President Snyder.

The minutes of the previous meeting were read and approved. On motion of Mrs. Boherty the following resolutions were adopted:

Whereas: The President of the College has been approved through Dr. Henry S. Pritchett, President of the Carnegie Foundation, for the advancement of teaching of the generous additions made to the Foundation by Mrs. Carnegie, in order to include State institutions of learning among its beneficiaries, therefore:

Resolved: That the State Board of Agriculture, as the governing board of the Michigan Agricultural College, express its gratitude to Mrs. Carnegie for this most important and judicious assistance to higher learning.

Resolved: That application is hereby made by this Board for participation in the benefits of this fund, and be it further

Resolved: That the Governor and the Legislature be informed of this action and requested to give it their approval.

On motion of Mr. Marriott, the following appointment of funds for the six months ending June 30th, 1909, was adopted:

<table>
<thead>
<tr>
<th>Department</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advertising</td>
<td>1500.00</td>
</tr>
<tr>
<td>Athletics</td>
<td>100.00</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>1500.00</td>
</tr>
<tr>
<td>Botanical</td>
<td>1819.25</td>
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<tr>
<td>Chemical</td>
<td>176.00</td>
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<tr>
<td>Drawing</td>
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<tr>
<td>Entomology</td>
<td>460.00</td>
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<tr>
<td>Farm</td>
<td>460.00</td>
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<tr>
<td>Forestry</td>
<td>2794.00</td>
</tr>
<tr>
<td>Heating</td>
<td>1826.00</td>
</tr>
</tbody>
</table>
On motion of President Snyder, the fines of those students who entered college late by reason of attending the military encampment, were ordered refunded.

On motion of Mr. Waterbury, President Snyder and Mr. C. C. Brown were given full authority to receive a supply of guns from the military department of the state, for whose safekeeping the college becomes responsible, and are requested to prepare a bill for presentation to the legislature, making a permanent transfer of those arms from the military department to the college.

On motion of Rev. Bliss, architect Beavell was directed still to make a thorough investigation of college hall, with reference to its safety, and report at the next meeting of the board.

On motion adjourned.

W. B. Brown, Secy.