Meeting of the State Board of Agriculture

College Board Rooms

Jan. 15, 1908 Nine o'clock, A. M.

Present- President- Graham, Messrs. Doherty, Waterbury, Oberdorffer, Marston and President- Snyder.

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

Secretary authorized to advertise for bids for Agri. Bldg.

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

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

No teacher affected with tuberculosis to be employed by College.

Resolved- That after this school year no person will be employed or retained as a teacher who is affected with tuberculosis of the lungs. If a teacher is suspected of having such disease it shall be incumbent on said teacher to produce evidence showing soundness in this particular.

Resignation of Mrs. Haner

On motion of Mr. Oberdorffer, the resignation of Mrs. Haner, as instructor in Domestic Art, was accepted to take effect when her successor is appointed. President Snyder was authorized to employ someone for this position.

In re. to Prof. W. L. Howard of Missouri as Prof. of Horticulture

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

Resolved- That in view of the opportunity which they believe they can offer to Prof. W. L. Howard, and the mutual benefits resulting therefrom, the State Board of Agriculture earnestly beg the Regents of the Missouri University to release Mr. Howard from his contract, and thus permit him to accept the chair of Horticulture at the Michigan Agricultural College. Did not come

Employment of Field Forester

On motion of Mr. Marston President- Snyder was authorized to employ a field Forester.

Mr. Watkins, from 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 co-operation of the alumni in furthering the interests of the college, and pledged the helpfulness of the committee in all possible ways.

Corliss Engine to be purchased for Experimental Lab.

On motion of Mr. Oberdorffer, Prof. Bissell was authorized, under the direction of President Snyder, to make arrangements for the purchase of a Corliss engine for the experimental laboratory, to be paid for out of the funds of the next fiscal year.

Mr. S. L. Jodidi to be employed as Research Ass't in Chemistry Mr. H. D. Shafer as Research Ass't in Entomology

On motion of Mr. Waterbury the recommendation of President Snyder in regard to the employment of Mr. S. L. Jodidi as Research Assistant in Chemistry, and Mr. Geo. D. Shafer of Cornell University as Research Assistant in Entomology, at salaries of $1200.00 per annum, to be paid from the Adams fund, was adopted.

Addition to Union Lit. Soc'y. Bldg. referred to a Committee.

The matter 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.

Communication from Pres. Soc'y. of Mich. Berkshire Ass'n. read.

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

Invitation extended to Am. Berkshire Assn. to hold next meeting at College.

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

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

Salary of Mr. J. A. Nelker, Supt. of So. Haven Sta. increased

On motion of Mr. Oberdorffer the salary of Mr. J. A. Nelker, Superintendent of the South Haven Experiment Station was increased from $600.00 to $750.00 per annum, beginning Jan. 1st.

Re. department nomenclature

A communication from Prof. Kedzie in regards to department nomenclature was, on motion of Mr. Oberdorffer, referred to the President and Secretary, with direction to present a detailed scheme covering the entire subject.

Recommendations of Prof. Shaw re. purchase of horses & employment of field agent, adopted.

On the advice of the Farm Committee the recommendations of Prof. Shaw in regard to horses and also in regard to a field agent to assist in the improvement of dairy cattle by advising with the farmers of the state, were on motion adopted.

Recommendation concerning worn-out farms left with Prof. Shaw.

In reference to the recommendation concerning the handling of an exhausted and worn-out farm the Committee offered no recommendation; and on motion, it was decided that no one should be employed by the College to take charge of the work at the present time, but otherwise the matter should be left in the hands of Prof. Shaw.

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

No live stock to be received from outside source except what is purchased by College Authorities.

Resolved:— That it shall be the settled policy of the College to receive no live stock from any outside source, except such as is regularly purchased by the College authorities.

Prof. Shaw made Dean of Technical Work in Agriculture.

On motion of Mr. Oberndorfer Prof. Shaw was made Dean of the Technical work in agriculture, including Horticulture, Dairying, and Veterinary science, with the title "Dean of Agriculture".

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

A. H. Browne, Secy

Meeting of the State Board of Agriculture

College Board Rooms

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

Present, President Snyder, Messrs. Marston, Waterbury, Doherty and President Snyder.

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

Request of Miss Feldkamp for release from her contract.

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

Traveling expense account of Dr. Marshall authorized to be paid.

On motion of President Snyder, the traveling expense account of Dr. Marshall incurred in attending the meeting of the American Bacteriological Association was authorized to be paid out of the M. A. C. Interest Fund.

Report on department nomenclature adopted.

On motion of Mr. Doherty, the following report made by the special committee on department nomenclature was adopted:

"To the State Board of Agriculture.

Gentlemen:-

Your committee to whom was referred the matter of nomenclature to be used in connection with the several subdivisions of the College and the term "Division" in connection with the several subdivisions of the College and the term "Division" in connection with the subdivisions of the Experiment Station, and that this distinction be adhered to in all official publications.

Respectfully submitted,

J. L. Snyder

A. M. Brown."

Bids for Agricultural Building opened.

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

George F. Germain, Lansing	$158224.00
Keeler, Hoerty & Son, Grand Rapids	175389.00
H. C. Christman & Co., South Bend, Ind.	152638.00
Hagamier & Scully, Lansing	161715.66

H. V. Snyder & Sons, Chicago	$187900.00
Early, Fitzpatrick & Nichols, Lansing	154703.65
Chittenden & Skinner, Lansing	162393.89
A. J. Smith & Sons, Port Huron	163000.00
Standard Construction Co., Chicago	189800.00
E. N. Reid & Co., Detroit	159577.44

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

7 o'clock P. M.

Present, Governor Warner, Messrs. Waterbury, Doherty, Marston and President Snyder.

Governor Warner was made acting chairman.

Stone for Ag. Bldg to be lime stone

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

Painter

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

Flooring

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

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

Michigan brick to be used.

Resolved that if Michigan Vitrified brick satisfactory to the architect can be used without increasing the cost of the building, then the Michigan brick are to be used.

Recess taken

On motion of Mr. Doherty, 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, 1908 9 o'clock A. M.

Same members present.

President Snyder made chairman.

Board adjourned

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

Griswold House, Detroit

February 15, 1908 2 o'clock P. M.

Present President Graham, Governor Warner, Messrs Marston, Waterbury and President Snyder.

Patent mais coating to be used in corridors & stairways of Ag. Bldg.

On motion of Gov. Warren, patent mais coating to be used on the corridors and stairways.

2 iron stairs

On motion of President Snyder, reinforced concrete stairs to be changed to iron with slate tread.

Gauge mortar to be used in basement

On motion of Mr. Waterbury, gauge mortar to be used in basement instead of cement mortar.

Black painted Stair rail

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

Saguaro brick

On motion of Mr. Doherty Saguaro brick are to be used if a further reduction of $150.00 can be obtained.

Contract awarded to H. G. Christman Co.

On motion of Gov. Warren, the contract was awarded to the lowest bidder, H. G. Christman Co. for the sum of $147,352.00 and the president and secretary of the Board and the architect were authorized to close the contract.

Board to adjourn to meet at College during Round-up Institute

On motion of President Snyder, it was voted that when the Board adjourn, it adjourn to meet at the College during the Round-up Institute at a date to be fixed by the Secretary.

Surety Co. bonds to be required of contractors

On motion of Mr. Doherty, the bonds to be required of the contractors are to be Surety Company bonds of Twenty-five thousand dollars each.

Adjournment.

On motion, adjourned.

H. H. Brown Secy

Meeting of the State Board of Agriculture

College Board Rooms

February 26, 1908. 4 o'clock P. M.

Present, President Graham, Messrs Wallace, Marston, Waterbury and President Snyder.

Correction to minutes of previous meeting.

The minutes of the previous meeting were read and approved with the exception that the contract price for the erection of the Agricultural Building $147352.00 is to be inserted in the resolution offered by Governor Warner at the meeting held in Detroit on February 15th for the awarding of the contract to H. G. Christman & Co.

Location of Agl. Bldg left to president, secretary & architect.

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

Wm. O. N. Bunk to be employed as Supt. of construction on Agr'l. Bldg.

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

Resolved, That Mr. O. N. Bunk of Smith, Michigan be employed as superintendent of construction for the erection of the Agricultural Building, at a salary of $110.00 per month during the course of construction or so long as his services are satisfactory.

Expenses of delegates to Round-up Institute be paid

On motion of Mr. Waterbury, 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 with a maximum limit of five dollars. Provided, that in case of delegates from the Upper Peninsula, the maximum limit shall be ten dollars.

$13000.00 set aside for erection of Agr'l. Bldg., aside from $135000.00 already appropriated

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

Resolved, That under the provisions of Sec. 1, Act 266 of the Public Acts of 1907, Thirteen Thousand ($13000.00) Dollars are hereby set apart for the erection of an Agricultural Building at the State Agricultural College exclusive of heating, lighting and plumbing, in addition

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 Agri. Bldg.

"This Agreement, made the Seventeenth day of February in the year One Thousand Nine Hundred and Eight by and between H. K. Christman Co., of South Bend, Indiana, a corporation organized under the laws of the State of Indiana, party of the first part (hereinafter designated the Contractors), and the State Board of Agriculture of the State of Michigan, party of the second part (hereinafter designated the Owners),

Witnesseth that the Contractors, in consideration of the agreements herein made by the Owners, agree with the said Owners as follows:

Article I. The Contractors shall and will provide all the materials and perform all the work for the erection and completion of a Six 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 A prepared by Edwin A. Bond, Architect, which drawings and specifications and Schedule A are identified by the signatures of the parties hereto, and become hereby 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 so far as they may be consistent with the purpose and intent 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 prepared for the purposes of this contract by the said Architect are and remain his property, and that all charges for the use of the same, and for the services of said Architect, are to be paid by the said Owners.

Art. III. No alterations shall be made in the work except upon written order of the Architect; the amount to be paid by the Owners or allowed by the Contractors by virtue of such alterations to be stated in said order. Should the Owners and Contractors 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 arbitration, as provided for in Art. XII of this contract.

Contract

Art. IV. The Contractors shall provide sufficient, safe and proper facilities at all times for the inspection of the work by the Architect or his authorized representatives; shall, within twenty-four hours after receiving written notice from the Architect to that effect, proceed to remove from the grounds or buildings all materials condemned by him whether worked or unworked, 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.

Art. V. Should the Contractors 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 prosecute the work with promptness and diligence, or fail in the performance of any of the agreements herein contained, such refusal, neglect or failure being certified by the Architect, the Owners shall be at liberty, after three days written notice to the Contractors, 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 Contractors under this Contract; and if the Architect shall certify that such refusal, neglect or failure is sufficient ground for such action, the Owners shall also 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 thereon, and to employ any other person or persons to finish the work, and to provide the materials therefor; and in case of such discontinuance of the employment of the Contractor, they shall not be entitled to receive any further payment under this Contract until the said work shall be wholly finished, at

such time, if the unpaid balance of the amount to be paid under this contract shall exceed the expence incurred by the Owners in finishing the work, such excess shall be paid by the Owners to the Contractors, but if such expense shall exceed such unpaid balance, the Contractors shall pay the difference to the Owners. The expence incurred by the Owners as herein provided, either for furnishing materials or for finishing the work, and any damage Contract incurred through such default, shall be audited and certified by the Architect, whose certificate thereof shall be conclusive upon the parties.

Art. VI. The Contractors shall complete the several portions, and the whole of the work comprehended in this Agreement by and at the time or times hereinafter stated, to-wit; The entire work included in this contract to be completed not later than the first day of June, 1909. 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 contractors shall pay to the owners the sum of Ten ($10.00) Dollars, except as provided in Article 7 of this contract; and provided further that the Contractors be given possession not later than March 1st 1908.

Art. VII. Should the Contractors be delayed in the prosecution or completion of the work by the act, neglect or default of the Owners, of the Architect, or of any other Contractor employed by the Owners upon the work, or by any damage caused by fire or other casualty for which the Contractors are not responsible or by combined action of workmen in no wise caused by or resulting from default or collusion on the part of the Contractors, 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 fixed by the Architect; but no such allowance shall be made unless a claim therefor is presented in writing to the Architect within forty-eight hours of the occurrence of such delay.

Art. VIII. The Owners agree 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 Contractors, agree that they will reimburse the Contractors for such loss; and the Contractors agree that if they

shall delay the progress of the work so as to cause loss for which the Owners shall become liable, then they shall reimburse the Owners for such loss. Should the Owners and Contractors fail to agree as to the amount of loss comprehended in this Article, the determination of the amount shall be referred to arbitration as provided in Art. XII of this contract.

Amount of Contract

Art. IX. It is hereby mutually agreed between the parties hereto that the sum to be paid by the Owners to the Contractors for said work and materials shall be One Hundred Forty-seven Thousand Three Hundred Fifty-two ($147352.00) Dollars, subject to additions and deductions as hereinbefore provided, and that such sum shall be paid by the Owners to the Contractors, in current funds, and only upon certificates of the Architect as follows; upon estimates made by the Architect as the work progresses not oftener than once every thirty days retaining ten (10) 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 for the same are issued.

If at any time there shall be evidence of any lien or claim for which, if established, the Owners of the said premises might become liable, and which is chargeable to the Contractors, the Owners 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 Contractors shall refund to the Owners all moneys that the latter may be compelled to pay in discharging any lien on said premises made obligatory in consequence of the Contractors 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, either wholly or in part, and that no payment shall be construed to be an acceptance of defective work or improper materials.

Art. XI. The Contractors shall insure and keep insured the building in question as soon as said building

shall be sufficiently completed to secure insurance on builders' risk, in some good and responsible company to be approved by the State Board of Agriculture, against loss and damage by fire, for the full amount from time to time as the progress of the building will warrant, and assign the policy to the State Board of Agriculture.

Art. XII. In case the Owners and Contractors fail to agree in relation to matters of payment, allowance or loss referred to in Art. III or VIII of this contract, or should either of them dissent from the decision of the Architect referred to in Art. VII of this contract, which dissent shall have been filed in writing with the Architect within ten days of the announcement of such decision, then the matter shall be referred to a Board of Arbitration to consist of one person selected by the Owners, and one person selected by the Contractors, these two to select a third. The decision of any two of this Board shall be final and binding on both parties hereto. Each party hereto shall pay one-half of the expense of such reference.

Contract

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

Art. XIV. This Contract is accompanied by surety company indemnity bonds given by the contractors for Twenty-five Thousand ($25,000.00) 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 L. Riggins for cut stone, (P.M.B. stone), Riker Lumber Co., Sibley Lead Paint Co., Norton Hardware Co., Detroit Cornice & Slate Co., Chrysler & Koppin, Reinforced Concrete Co. 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 covenants herein contained.

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

H. G. Christman Co.
By H. G. Christman, Pres. (Seal)

(Seal State Board of Agriculture)

State Board of Agriculture
By R. D. Kedzie, President
By A. M. Brown, Secretary

Schedule A.

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

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

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

Schedule

4. All other Dolowent flooring, wainscoting and base throughout the building to be changed to Asbestolith.

5. Adamant plaster to be changed to Imperial wall plaster, or as approved by the Architect.

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

7. Floor strips changed to yellow pine.

8. Carved stone panels at head of pilasters cancelled.

9. Cut stone changed from sand stone to No. 1 Bedford lime stone, the P. N. B. stone, and to be machine cut.

10. Hanged mortar in ground floor in place of cement."

"Know All Men By These Presents, That we, H. G. Christman Co. of South Bend, Indiana a corporation created and existing under the laws of the State of Indiana, as Principal, and American Surety Company of New York, a corporation created and existing

Bond

under the laws of the State of New York and whose principal office is located at 100 Broadway, New York, as Surety, are held and firmly bound 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 well and truly to be made, the said Principal and Surety bind themselves, their successors and assigns, jointly and severally firmly by these presents. Signed sealed and delivered this 24th day of February A. D., 1908.

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 Seventeenth day of February A. D. 1908, to furnish all materials, tools, machinery and labor and to erect an agricultural building in and upon the property known and described as the State Agricultural College of Michigan, in accordance with the plans, specifications, conditions, etc., prepared therefor and mentioned in said contract, and

Whereas, the said Surety by this instrument guarantees that the said Principal and its agents and

all sub-contractors shall fully pay, discharge and liquidate all claims, accounts, 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 its several conditions, as the same may become due and payable.

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

Bond

In Witness Whereof, the said Principal and Surety have caused these presents to be sealed with their corporate seals duly attested, in the case of the Principal, by the signature of its President and in the case of the Surety, by the signature of its Resident Vice-President and its Resident Assistant Secretary, the day and year first above written.

Signed, sealed and delivered in presence of
Eleanore B. DePuy.
F. H. Dunham (Seal)
As to Principal.
Daisy M. Larsen
Blanche H. Long (Seal)
As to Surety.

H. G. Christman Co. Principal
By H. G. Christman, Pres.

American Surety Co. of New York
Surety
By E. V. Clark, Resident Vice President
John S. Hunt, Resident Asst. Sec'y.

'Extract from the Record Book of the Board of Trustees of the American Surety Company of New York.

'The first quarterly meeting of the Board of Trustees of the American Surety 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, 1908, at 12 o'clock noon.

"The Secretary read the report of the Nominating Committee as follows: 'To the Board of Trustees of the American Surety Company of New York: Gentlemen: The Committee appointed by the Executive 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, beg leave to report as follows: We nominate for * * * * * Place, Indianapolis, Ind. Resident Vice Pres. Roscoe O. Hankins, Horace E. Smith, E. V. Clark. Resident Assistant Sec., Ernest V. Clark, Roscoe O. Hankins, Horace E. Smith, John S. Hunt.

Whereupon, it was Resolved, that the Secretary be authorized to cast one ballot on behalf of the Trustees present for the officers, members of the Executive Committee, Finance Committee, Committee on Accounts, Committee on Capital Box, and Counsel, as recommended by the Nominating Committee for the ensuing year; which was done, and thereupon the aforementioned persons were declared to have been unanimously elected to their respective offices for the ensuing year. * * * *

Bond The following resolution was adopted: "Resolved, that the Resident Vice-Presidents be and they hereby are, and each of them is hereby authorized and empowered to execute and to deliver and to attach the seal of the Company to any and all obligations for or on behalf of the Company, such obligations, however, to be attested in every instance by the Resident Assistant Secretary."

State of New York)
County of New York) S.S.

I, F. B. Holdridge, Assistant Secretary of the American Surety Company of New York, do hereby certify that I have compared the foregoing extracts and transcripts, from the Record Book of the Board of Trustees of the American Surety Company of New York, with the original record of said Board, and that the same are correct extracts and transcripts therefrom as they appear of record and are set forth and contained in said Record Book; and I further certify that I have compared the foregoing resolutions with the originals thereof, as recorded in the Minute Book of said Company, and do certify that the same is a correct and true transcipt therefrom, and of the whole of said original resolutions; and that the said resolutions have not been revoked or rescinded. Given under my hand and the seal of the Company, at the City of New York this Jan. 29, 1908. F. B. Holdridge, Assistant Secretary. (Seal)".

"Know All Men By These Presents, That we, H. S. Christman Co. of South Bend, Indiana, a corporation created and existing under the laws of the State of Indiana, as Principal and American Surety Company of New York, a corpo-

nation organized and existing under the laws of the State of New York and whose principal office is located at 100 Broadway, New York, as Surety, are held and firmly bound unto the State Board of Agriculture of Michigan in the full and just sum of Twenty-five Thousand ($25000.00) Dollars lawful money of the United States, to the payment of which sum well and truly to be made, the said Principal and Surety bind themselves, their successors and assigns, jointly and severally firmly by these presents.

Signed, sealed and delivered this 24th day of February, A.D. 1908.

Bond

Whereas, the said Principal has entered into a certain written contract with the State Board of Agriculture of the State of Michigan, bearing date the Seventeenth day of February A.D. 1908, to furnish all materials, tools, machinery and labor and to erect an agricultural building in and upon the property known and described as the State Agricultural College of Michigan, in accordance with the plans, specifications, conditions, etc., prepared therefor and mentioned in said contract, and

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

Now, Therefore, the condition of this obligation is such, that if the said Principal shall furnish all materials, tools, machinery and labor and construct and complete said agricultural building in and upon the property known as the State Agricultural College of Michigan, in strict accordance to and with said Contract and the plans, specifications, conditions, etc., thereto mentioned and made a part thereof, and shall faithfully perform and fulfill the several conditions of the said contract, then this obligation shall be void, otherwise to remain in full force and effect.

In Witness Whereof, the said Principal and Surety have caused these presents to be sealed with their corporate seals, duly attested, in the case of the Principal by the signature of its President, and in the case of the Surety, by the signature of its Resident Vice-President and its Resident Assistant Secretary, the day and year first above written.

Signed, sealed and delivered in presence of
Eleanore B. DePuy (Seal)
F. H. Dunham
As to Principal.
Daisy M. Larsen. (Seal)
Blanche H. Long
As to Surety.

H. G. Christman Co.
Principal
By H. G. Christman, Pres.
American Surety Co. of New York
Surety
By E. V. Clark, Resident Vice Pres.
John S. Hunt, Res. Asst. Sec.

For extract of Record, see previous bond.

Bonds approved

On motion of President Snyder, the above bonds were approved subject to the opinion of the Attorney General as to their form and correctness.

Appropriation of Botanical Dept. increased

On motion of President Snyder #140.00 was added to the apportionment of the Botanical Department for the present six months to cover the purchase of microscopes.

On motion, adjourned.

H. H. Brown Secy

Meeting of the State Board of Agriculture

College Board Rooms

March 18, 1908. 2 o'clock P. M.

Present, President Mallam, Messrs. Marston, Wallace, Waterbury and President Snyder.

The minutes of the previous meeting were read and approved.

In regard to trains for Railroad Institutes

President Snyder presented a communication from Prof. Taft in regards 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 Pere Marquette and Michigan Central Railroads to furnish trains for the Railroad Institutes and allow them to give free passes to the lecturers.

Petition from farmers of Crawford County

President Snyder presented the following petition signed by some sixty farmers of Crawford County and the accompanying recommendation from Prof. Smith:

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 owned, and also on land leased for that purpose, at South Haven, and on land owned in the upper peninsula, and on the farm at Lansing, and also in view of the fact that they own land for such purposes, located at Grayling, and in view of the fact that the representative farmers of Crawford County have exemplified the fact that the soil of Crawford County is so adapted to agricultural pursuits as to be capable of producing nearly all kinds of crops at a reasonably good profit. We the better class of farmers of the State of Michigan, and others, respectfully petition your Honorable Board, to at an early date, once more commence active operations in the way of experiments upon the said Experimental Farm located near Grayling, Crawford County, Michigan."

President J. L. Snyder,
College.

Recommendation from Prof. Smith

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 farm near Grayling.

I beg to call your attention in this connection to the fact that the experiments at Grayling were not continued, first because the ground upon which they were planted was too poor to represent fittingly the great county of Crawford. No matter if the good citizens of Crawford County do desire experiments carried on in that county they certainly do not want them made when the details will people away rather than attract them. Work heretofore done which shows that 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 recommend to the board that no farther experiments along agricultural lines be 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 test the matter of growing clover for seed.

Yours respectfully,
C. D. Smith, Director

Petition & recommendation above referred to Experiment Sta. Comm.

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

Appropriation for Forestry Dept. in connection with summer school.

On motion of President Snyder $3000.00 was appropriated for the period ending June 30, 1908, for use of the Forestry Department in connection with the establishment of a summer school on the forestry reserve.

Prof. Baker empowered to sell dead timber etc from forest reserve.

On motion of Mr. Wallace, Prof. Baker, as head of the Forestry Department was empowered to sell, from time to time, such dead, down and injured timber, wild hay, berries, etc. upon the forest reserve as may improve the existing forest conditions of the reserve lands; all receipts obtained from College reserve after having passed through the same

channels as other revenues obtained by the other College departments, to be set aside for recent operations and maintenance only, namely; building of fire lanes, fencing, fire fighting, buildings, yearly tree planting, nursery work and general improvements of the forest conditions and Prof. Baker is instructed to render a detailed report to the Board of all expenses and receipts in connection with the above.

Farm Dept. to purchase wagon or carry all

On motion of Mr. Marston, the Farm Department was authorized to purchase a wagon or carry all for the use of the College.

Report & recommendations in regard to Professorship of Agricultural Education

President Snyder presented the following report and recommendations in regard to the Professorship of Agricultural Education:

Gentlemen:

Your attention was called at the last meeting to the necessity of the college taking up the work of extending the teaching of agriculture into public schools and also the other forms of college extension work. It is generally accepted that agriculture should be taught in the public schools in both elementary and secondary schools. The Agricultural Colleges are looked to as the natural leaders in this great work. Congress recognized this need in the passage of the appropriation bill last year known as the Nelson Amendment. This act appropriates five thousand dollars this year and an additional five thousand each year until the amount reaches twenty-five thousand per annum. Among other things this act provides that part of this money can be used for preparing teachers of agriculture for public schools.

Other states quite generally have taken up this work. In a paper read before the National Teachers Association last Summer the work of some thirty-three states was mentioned. Michigan was not among this number although we claim to be one of the leaders in Agricultural Education.

(1) The public school men of the state are ready and many of them anxious to add this work to their courses of study, but the lack of trained teachers makes it impossible for them to do so.

The thirty-eight County Normal Training Schools are trying to teach Agriculture to the hundreds of young people who expect to teach in rural schools. These

schools appeal to us for help but so far we have been able to render them very little assistance.

(2) 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 more urgently in furnishing them with trained teachers.

(3) 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.

(4) The State Grange has urged us to give the boys and girls who cannot leave home to take even a short 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 corn growing fruit growing or such other lines of work as might from time to time develop.

It is evident I think to everyone that there is a great work to be done along 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 or some other agency will answer 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 two or three years but I have not been able to find until recently a man whom I felt safe in recommending to you for this undertaking. It is not a position for a young man nor a cheap man. The one who undertakes this work should know the state thoroughly and particularly the public school system and the school men of the state. He must be thoroughly in sympathy with this type of education and the peculiar needs and conditions of country life. To organize all these forces will call for a high degree of administrative ability. He must be forceful, tactful and able to endure pain.

N. H. French the Deputy Superintendent of Public Instruction I believe is exceptionally well fitted both by tempera-

ment and training for this work. After months of study as to what other states are doing and the various lines of work to be taken up he has consented to undertake this work if the Board wishes to entrust it to his hands. He fully appreciates both the magnitude of the undertaking and the obstacles to be overcome. I therefore recommend his employment as Professor of Agricultural Education at a salary of $2200 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.

Mr. N. H. French elected Prof. of Agricultural Education.

On motion of Mr. Manton, Mr. N. H. French was elected to the position of Professor of Agricultural Education at a salary of $2200.00 per annum, beginning July 1st, in accordance with the above recommendation of President Snyder.

Resignation of Prof. C. D. Smith

President Snyder presented the following letter of resignation from Prof. C. D. Smith which was, on motion, accepted to take effect April 30th.

President J. L. Snyder,

March 2, 1908.

My dear Friend:-

While it happens rarely for a man to leave an institution which he has served for nearly fifteen years, it must needs be that the tearing up by roots, and the cutting off of vital connections, shall be painful. These years have been years of delightful service, with most pleasant associations with colleagues, with students and with the people of the state, the effort to leave the ties which bind a man to the college requires almost superhuman courage. I have delayed handing in to you my resignation as long as practicality would permit, because of this inability to bring myself to the point of doing it. I am unspeakably sad, this morning, as I write it.

The years of my greatest activity are gone. What I owe more than what I am is bound into the lives of the young citizens of Michigan who have been at the College the last fifteen years and in the practices of the Ag'l Farmers with whom my lines mine has been cast. On earth, my immortality whether of helpfulness or of influence is predicated upon the work of these fifteen short years. I know not which shall prosper in the coming, whether the conspicuous com-

in prepared addresses, or the supposedly unimportant room in the quiet of my own study, in the heart of the individual student. What I have done, I have done, it cannot be changed. My hope is that God may make the good seed to grow and to bear much fruit in the years to come while suppressing the evil with deserved oblivion.

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

I predict a most glorious future for the College. Its growth from now on is assured by its recent past. Students in increasing numbers must come to its halls. The quality of instruction given must be better and better. The State shall gather larger and better harvests from the work the College shall do. New 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!

I love the work of the short courses. 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 heartily and enthusiastically interested in the movement.

The Farm Home Reading Circle 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 the publication that my successor might shape the course of the undertaking to suit his personality. Unless there can be personal work, meeting of teacher and student in the same room and translation of the written page into spoken words, the Circle cannot be as useful as it ought. Farmers are hearers primarily, not readers. I urge upon you, therefore, the organization of circles of farmers who shall read a given book, then meet an instructor from the College who shall review the work with them, followed by an examination. There are other directions in which this work may be developed. It ought to be correlated with the extension work

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

Concerning the Experiment Station I need say little in this letter, which, when approved by the Board, bears my connection with this glorious work. Since I came to the College I have seen the mailing list grow from 12 000 to approximately 45000; I have seen the Station emerge from a cloud of suspicion and distrust to an active voice in shaping the methods of farm practice; the funds have increased, the staff has enlarged, the work has become more accurate and scientific; the Station has grown in every helpful way. All this I have seen and like Aeneas. "Magna pars fui". Were it not that I have had every possible evidence of your interest in the general welfare and the details of progress of the Station, I should find myself unwilling to relinquish the control of it. I know that your wisdom will suggest to the Board the proper course to insure a continued progress and increasing usefulness and a continuous, safe and conservative management.

Having accepted an appointment to the Presidency of the Luiz de Queiroz College of Agriculture at Piracicaba in the southern State of Brazil, called Sao Paulo and being charged with the organization of the first College of Agriculture in the United States of Brazil, I hereby resign my several offices in connection with this College, the resignation to take effect at the will 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 tentatively engaged passage on the steamship leaving New York April 20th. If possible, I should like to finish up 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 my successor in office may be fully informed as to the present status of affairs in all departments which have been under my control.

Respectfully yours,
C. D. Smith, Director and Dean.

On motion of Mr. Marston, the Secretary was instructed to prepare a set of resolutions appreciative

of Prof. Smiths services to the College to be presented at the next meeting of the Board.

Recommendations of Pres. Snyder re. Farm Home Reading Circle, Special Courses & Exp. Station

President Snyder presented the following report and recommendations in regard to the Farm Home Reading Circle, the Short Courses and the Experiment Station:

In providing for the work relinquished by Professor Smith, I wish to place before you the following:

The Farm Home Reading Circle, which has 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, who no doubt will place them in charge of the professor directly interested. For instance, the Professor of Horticulture will have charge of the short courses in Horticulture. The Professor of Dairying of the courses in that line of work, etc.

To arange satisfactorily for the work of the Experiment Station is a greater problem. This important work has developed rapidly during the last few years. This is particularly true with reference to the scientific part of the work. Few years ago Dr. Kedzie gave part of his time to work, which might be termed original investigation. Now we have 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 stipulation that the moneys accruing from this act should be spent for research work. This means, of course, that the purely scientific work of the Station must not only be carefully guarded, but must increase as the amount of money received from the Adams Act increases. To guide along wise lines the development of the scientific work of the station during the next few years is one of the most difficult problems confronting the Experiment Station. Men in scientific work wish to 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 handed out to the public before its absolute truth has been verified. They wish to be under a man who makes 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 Experiment Station can be unified and directed along safer lines by a scientific man than by one who had not the time and perhaps not 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 from them their best efforts.

If the entire work of the Station was 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 up-breeding and dressed 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. He should have a thorough knowledge of farming from the farmers' 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 wisely, and direct ably his working force. He should be big enough and strong enough to recognize and give due credit to the honest man 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 not their criticism 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. There are 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 own number men strong 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 no doubt won distinction had he entered that field. He has shown the ability to select lines of work, which meets 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. There would be no extravagant 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 simply 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 barns. I admire, 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 he soon becomes too valuable to be allowed to spend time and energy in that way.

In 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 Wisconsin, 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 such results as are thought worthy can be sent out to the public under the Director's frank. Exchange of fields, of help, of teams 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 research work of the Station may be encouraged and carefully guarded I would 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 overseeing 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 I believe place our Station in the front rank. It would command the attention and I think the approval of both the scientific men throughout the country as well as the workers along practical lines. The Station has never in the past had the services 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 few 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 pay a good man to carry on the work in agronomy now under the direct charge of the Director.

My recommendation, therefore, is that Prof. R. S. Shaw be made Director of the Experiment Station and that Dr. C. E. Marshall be made Scientific and Vice Director with authority and duties as defined in this report.

Recommendations of Pres. Snyder, adopted. Prof. Mann elected Director of Exp. Sta. & Dr. Marshall, Vice Scientific Director

On motion of Mr. Wallace, the recommendations contained in this report were adopted and Prof. Mann was elected Director of the Experiment Station and Dr. C. E. Marshall be made Scientific and Vice Director with authority and duties as defined in this report.

Prof. Smith's house assigned to Prof. Taft.

On motion of President Snyder, the house vacated by Prof. Smith was assigned to Prof. Taft.

Salaries of Messrs. Hannah and Hallgarten increased

On motion of Mr. Marston, $200.00 was added to the salaries of Mr. C. P. Hallgarten and Mr. Thomas Hanson the same to take effect April 1st next.

Resolution in re. fraternity houses laid on table.

President Snyder presented the following resolution which was, on motion of Mr. Wallace, 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 several rooms for the convenience of the alumni. That we lease for a long term of years, provided that there is no legal objection, a suitable piece of ground to each society for this purpose and further, that we agree to furnish heat, water and light to such buildings at not to exceed actual cost. Be it further resolved that it is the purpose of the Board 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 soon as our finances will warrant, other needs of the college being duly considered, to erect a large central dining hall, additional dormitories and a gymnasium with parlors and waiting rooms, which may be used for social purposes.

Bond to be executed to U.S. Govt. for safe keeping of ordnance and ordnance stores

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

Resolved; That A. M. Brown Secretary of the State Board of Agriculture be authorized and instructed

to execute a bond on behalf of said Board to the United States Government to guarantee the safe keeping of ordnance and ordnance stores of the value of $9456.49 the amount of said bond to be $18912.98.

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

Reports and Documents to be made by departments must be in Secy's Office by July 15th of fiscal year.

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.

Employment of Miss Maud Meade as Clerk to Secretary

On motion of President Snyder, Miss Maud Meade was employed as Clerk to the Secretary at a salary of $600.00 per year from April 1st to September 1st and thereafter $700.00.

Expense accounts of Board members approved.

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

On motion, adjourned.

Hill Brown Secy

Meeting of the State Board of Agriculture

College Board Rooms

May 7- 1905 2 O'clock P. M.

Present. President Graham. Messrs Wallace Doherty 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. Doherty.

Resolutions on resignation of Prof. C. D. Smith

Whereas, - Prof. Clinton D. Smith, for many years connected with the Michigan Agricultural College in various and responsible positions, being at the present time Director of the Experimental Station and Dean of Special Courses, has tendered his resignation to accept the presidency of a new School of Agriculture to be established at Paraicéba by the Brazilian Government, therefore be it

Resolved, - that in accepting his resignation, the State Board of Agriculture have a deep appreciation of the loss sustained by the institution over which they preside, and by the State at large. His loyalty to the College, his love of Agriculture, his wide acquaintance with its practical side, and his great enthusiasm in the field of Agricultural education, have rendered him a significant force in advancing the interests of Agriculture generally, as well as in promoting the growth and development of Agricultural education.

Resolved: That we look for him in his new field of labor, the same measure of success that has attended his work at Michigan Agricultural College, while we trust that the interests of progressive Agriculture in that great Southern Continent may be permanently advanced through his gracious efforts.

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

Resolution regarding Society Houses

On motion of President Snyder the resolution in regard to Society Houses, presented at a former meeting, was laid over until the next meeting of the Board.

Summer School

On motion of President Snyder, the Faculty was authorized to open a four weeks Summer School for teachers, the fee to be $2.50

Centralized purchase of college supplies

On motion of Mr. Doherty the secretary was directed to present to the board at its next meeting, a scheme for centralized purchasing of college supplies, the same to take effect July 1. next

Water and Sewer ordinance with outside districts

On motion of Mr. Wallace, the following resolution was adopted: Resolved: That the Mayor and Common Council of East Lansing, Mich., and the same are hereby further requested that action should be taken by the Board of Agriculture regarding the matter of water and sewer privileges, outside and in connection with the Extension, and all water and sewer connection outside districts must be absolutely cut off by the Board.

Special meeting of State Board

On motion of Mr. Doherty, Resolved that when the Board adjourn, it adjourn to meet at Oscoda on Call of the Secretary.

Electric lights in W.M.C.A. Rooms.

The request made by the President of the Advisory Board for the electric lights in the Y.M.C.A. Rooms, was on motion of Mr. Doherty laid upon the table until the next meeting.

Salary of Miss Rees.

On motion of Mr. Doherty the salary of Florence Rees was fixed at $60.00 per month beginning June 1.

Office of Registration created.

On motion of Mr. Wallace, there being created the position of Registrar, and President Snyder was authorized to employ a competent person for this position at a salary of $60.00 per year.

President Snyder presented the following communications from Pres. Taft and Director Shaw.

Letter of Pres. Taft to Dir. Shaw regarding inauguration of experimental work.

Director P. G. Shaw,
East Lansing, Mich.

Dear Sir:-

I have been trying for a number of years to extend the Co-operative experimental work, and while I have had no difficulty, in making arrangements for the experiments, it has not been entirely satisfactory. In some cases where fertilizer tests were being made, there was a failure to note the results so that they could be relied upon, and in grasping experiments it has been developed that the work could not be done thoroughly and at the proper time, however explicit the directions might be.

I feel sure that the result would warrant the employment of some one to give his entire attention to the oversight of this experimental work to see that it is properly done. My idea would be to assist this man for perhaps eight months of the year upon experimental work, and then during the winter he could be employed at the institute giving assignments for the most part in the sections where the experimental work was being carried on. In this way he would have data which would be timely and reliable. I feel sure that this work could be considerably extended so as to include

other lines of investigation.

For some kinds of work I have been somewhat handicapped in securing the cooperation needed. While most fruit growers are willing to have experiments carried on, the direct value of which has been demonstrated, when it comes to new lines of work where there is any question about the result, much difficulty has been experienced. The land at South Haven is practically all used for variety tests, and with only two trees of a kind it is difficult to carry on the work along other lines. If a tract of land of say forty acres, could be secured within a days working distance from the Sub station, part of which is now in trees, and where the remaining land can be planted 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 nursery inspection, at a salary of $1200.00 per year, and shall be glad to have you bring it to the attention of the State Board of Agriculture.

If the Board will recommend the purchasing of about forty acres of land, or the leasing of such land for a long term of years, I will at once look the matter up and see what can be obtained.

Yours very truly,
L. R. Taft,
Horticulturalist.

Recommendations of Director Shaw.

To President J. L. Snyder,
College:

Dear Sir:-

I hereby recommend that hereafter that the duties of the Experiment Station Horticulturist be assumed by the Professor of Horticulture of the College, and that he be made a member of the Station Council. I also recommend that the Superintendency of the South Haven Sub-Station remain under the management of Prof. L. R. Taft, who shall continue to be a member of the Station Council, and also act as consulting Horticulturist. The following reasons are given in support of these recommendations, Viz:-

1. Under the present organization it is practically impossible to get a strong man to come to the head of the Horticultural Department. I do not believe it wise to confine the Professor of Horticulture solely to educational work; the educator should be an investigator and vice versa. At present the Professor of Horticulture is unable, except in a small degree, to reach the Horticultural people of the State, and attend the

educational influences of the rural districts. Department because his research work is confined within the boundaries of the College Grounds. I therefore deem it essential that the restrictions hitherto placed on the Professor of Horticulture be removed, and the field work of the State opened up to him.

2. Since the year 1896, Seven Twenty-two Bulletins have been issued by the Experimental Station Horticulturist in addition to several Observing Calendars, with one exception specially prepared publications [illegible] the results of Variety tests only, I do not find any published results of Scientific research work, in this regard our institution is sadly lacking. There is great need for the establishment of lines of investigation work of a practical character, which will benefit the fruit growers directly and quickly. There is also a great need for practical demonstrations throughout the State, in such lines as the Renovation of neglected orchards, etc. I believe this work should be started on quite an extensive scale, as soon as possible.

3. The Horticultural Department of the College is already provided with [illegible] and appliances [illegible] which could be used to a large extent in station and field work, thus avoiding unnecessary expenditure for equipment in managing the new work.

Respectfully submitted.

P. H. Shaw.

Recommendations adopted on motion of Mr. Dennett.

Expense bills of Board members allowed.

On motion of President Snyder the expense bills of the Board members were allowed.

Salary list.

On motion of Mr. Spaulding, the following salary list was adopted and authority given for the employment of the persons named therein.

President's Office.

J. L. Snyder	$ 3.00
W. J. Knight	1000
Edna B. Spindler	600

Agricultural Dept.

P. H. Shaw	2000 (current) 1000 (Special)
J. A. Jeffery	2000
H. W. Norton	1350
A. C. Anderson	1350
W. B. Spurrance	660
F. W. Heaver	800
J. G. Halpin	1400
J. W. Smith	1200
Andy Anderson	700

Agricultural Dept.

R. S. Hudson	$660.
George Brown	500.
Bertha Marshall	600.

Bacteriological Dept.

Chas. E. Marshall	1300 (current)
	1000 (Special)
Otto Rahn	1000 (current)
	300 (Adams)
Assistant in Bact.	500
Chas. W. Brown	750 (Adams)

Botanical Dept.

W. J. Beal	2000
J. M. Sandmo	1300
Wm. E. Laurence	850
Rose M. Taylor	800

Chemical Dept.

Frank S. Kedzie	2300
Harry S. Reed	1300
J. F. Darling	800
A. J. Clark	1150

Drawing Dept.

Head of Dept.	2300
Chas. Newman	1200
Assistant in Drawing	
L. H. Harper	800
Caroline L. Holt	800

English Dept.

Thos. H. Blaisdell	2000
E. S. King	1150
	900
Norma L. Gilchrist	750
Frank G. Tompkins	700
Bessie M. Paddock	650
Assistant in English	700
John C. Partridge	750
Wm. Robinson	750

Entomological Dept.

R. H. Pettit	$1000 (current)
	500 (special)
J. P. Metcalf	350 (current)
	350 (special)

Forestry Dept.

C. Fred Baker	$1000
C. H. Sanford	1000

Horticultural Dept.

Mrs. Ingram	$1200
W. T. Kelligan	1200
O. Lugsby	500
H. H. Davis	600

History & Political Econ.

W. O. Hedrick	$2000
E. H. Taylor	1500
Vacancy Hendricks	750
Instructor	750

Statistics & Financial Inspector

R. T. Hill	$1200 (current)
	600 (special)

Librarian

Linda C. Landon	$850 (current)
	120 (special)
Agnes Krumb.	900

Mathematical Dept.

H. K. Tedder	$2000
Warren Babcock	1550
J. C. Hazelton	1400
W. D. Lovell	900
W. Rodney Cornell	850
L. Gunderson	1100
A. E. Jones	800
Alan James	800
A. T. McVey	850
Instructor in Math.	700
Instructor	700

Mechanical Dep't.

G.W. Birdsell	$ 3000
Louis Appleyard	1400
J.A. Polson	1400
A.C. Mebstens	850
L.L. Wilcox	1200
A.P. Krantel	800
E.L. Baker	800
Tom R. Holmes	800
Clara B. Purcell	540

Miscellaneous

A.E. Bond	$ 1500
L.F. Newell	1200
Edward Gibbons	900
W.A. Linck	480
P.R. Ketchum	450

Dep't of Physics

A.R. Sawyer	$ 2300
W.L. Lodge	1200
E.W. Schapman	1000
E.M. Bates	900
W.H. Wadleigh	900

Dep't Physical Culture

L.L. Brewer	1600

Secretary's Office

A.M. Brown	$ 300 (current) 700 (Special)
J. Schapers	1000
B.F. Ruffner	600 (current) 100 (Special)
Maud A. Reed	272 (current) 125 (Special)

Veterinary Dep't.

L.M. Hewes	$ 1700 (current) 300 (Special)

Womans Dep't.

Maude Gilchrist	$ 1600
Kate Beede	800
Pearl McDonald	900
Grace E.L. Schapman	700
Louise Freyhofer	1000
Bessie Bemis	700
Assistant	360

Geological Dept.

W. H. Barbour $2000
Jacob G. Rogers 1200
J. M. Nelson 500

Experimental Station.

Chas. E. Marshall $1000

Andrew Patton 1000 to 1200 Adams.
Samuel C. Scott 1500
T. L. Slade 1200
T. De Witt 400
C. T. Hyde. 600
W. T. Halligan 600
Linda E. Landon 400
A. M. Brown 120
L. Dempsey 700
C. A. Wheeler 200
Miguel A. Quinn 100
H. E. Stockbridge 125
E. M. Shelton 600
W. O. Sawyer 800
Secretary Agricultural Society 1100
C. L. Watson 900
Thomas Shepard 350
Sam Nicholas 350
Otto Kahn. 350 Adams
350 (Total 350. Adams 700)

5/15

Contract for coal for next year

Military Uniforms

The following persons were given titles as follows:
Otto Kahn. Asst. Prof. of Agriculture
L. A. Hallgarn. Asst. Prof. of Poultry Husbandry.
W. T. Halligan Asst. Prof. of Agriculture
A. C. Hadden Asst. Prof. Math. & Civil Engineering.
E. Landon. Asst. Prof. Mathematics
J. A. Nolan Asst. Prof. Mechanical Engineering

On motion of Mr. Wallace the forfeiture of the Pittsburg Coal Co. for Youghiogheny Coal at $2.25 for slack and $3.05 for all lump coal accepted, and authority given for making contract for next year.

On motion of Mr. Dobereiner the Secretary was authorized to advertise for bids for furnishing military uniforms.

The Secretary presented the following letter from the Auditor General, enclosing a copy of an opinion of Attorney General Reed in regard to the expenditure of college funds upon the Forest Reserve.

Opinion of Attorney Gen. re: E. Pond Forest Reserve

A. M. Brown,
Mich. State Agricultural College.
East Lansing, Mich.

My Dear Mr. Brown:- May 1, 1908

I am enclosing herewith a revised or additional opinion rendered by the Attorney General relative to the provisions of Act 299 Public Acts of 1907. Under his advice, it would not seem that this department would be authorized to audit vouchers from your current expense funds for the practical demonstration of forestry upon those lands for the benefit of the forestry students attending the State Agricultural College.

Very respectfully,
James D. Bradley.
Auditor General.

Dictated by
Fred G. Hamilton
General Accountant.

Apr. 30, 1908.

Mr. Fred G. Hamilton
General Accountant
Capitol, Lansing.

Dear Sir:-

Under date of April 2nd 1908, I gave you an opinion relative to the expenditure of portions of the appropriation made by Act No. 266 of the Public Acts of 1907 for the maintenance of the Michigan Agricultural College, Etc. The point considered was whether or not any portion of said appropriation could be used for the erection of suitable quarters and the installing of a plant for the cutting of timber now growing upon the lands belonging to the Agricultural College, and withdrawn from sale for the purpose of creating a forestry reserve.

Since giving said opinion, Mr. A. M. Brown, Secretary of the Michigan Agricultural College, has requested that the same be extended, to determine whether or not the Board of Agriculture has authority to expend current expense funds for re-foresting said reserve, including therein the expense of surveying, platting, making records, protecting the same from fire, trespass, etc., and doing all things necessary to make this a proper forestry reserve.

As indicated in my opinion of April 2nd, 1908, the appropriation made by Act No. 266 of 1907, of one tenth of one mill, is for the maintenance of the Michigan Agricultural College, the Upper Peninsula Experiment Station and such other experiment stations as have been already established,

exist certain sections that are expressly appropriated for other specific purposes.

It is contended on the part of the Michigan Agricultural College authorities, that it is essential for the proper education of certain of the students in said College, and in order that they may have practical experience, that said forestry reserve should be utilized and that the students in certain departments may be used in reforesting said reserve, in making surveys and doing everything essential to the carrying out of the plan contemplated by the act withdrawing said lands from sale. No doubt the State Board of Agriculture would have the power and authority over said lands with respect to the protection of the same, and said Board had prior to the passage of Act No. 294 of 1901. To utilize said reserve, however, in the manner indicated by the agent of Mr. Brown, would be to make said reserve to all intents and purposes an experimental station.

Both with respect to experimental stations, the expenditure of the moneys appropriated by said Act No. 266, is limited to those stations mentioned in the act, or which had been established at the time said act became a law. A careful examination of said Act No. 266 leads me to the conclusion that it is only the intent of the Legislature that said forestry reserve should be largely self sustaining. If said lands were withdrawn from sale and a forestry reserve created therefrom, for the benefit of the College it apparently having been the intent of the Legislature that revenue should be derived therefrom, rather than that current expense appropriation should be resorted to for its development and improvement. There is certainly an absence of statutory authority for using the current expense funds of said institution for re-foresting said reserve. This brings up the remedy must rest with the Legislature. The fact that benefits would be derived by the students of the Michigan Agricultural College in certain departments, is not sufficient to authorize an expenditure of state funds in a manner not contemplated by the Legislature. The fact that these lands are agricultural College lands, does not alter the situation in my opinion. I am unable to escape the conclusion therefore, that had it been the intent of the Legislature to authorize an expenditure of current expense moneys to the re-foresting, etc. of said reserve, it would have made some provision therefor.

Yours very truly

Jno. E. Bird Atty. General.

M-T.

On Motion Adjourned.

Atl Brown Secy

Meeting of the State Board of Agriculture
Oseola Michigan
June 3 1908 4 O'Clock P.M.

Present. President Graham. Messrs Wallace. Marston. Waterbury. Doherty and President Snyder.

The minutes of the previous meeting were approved without reading.

Terms of rental on land with John Toolan

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 Toolan, was approved and confirmed, and the President and Secretary of the Board were authorized to execute a lease for the same.

Details of Commencement left in hands of Faculty

On motion of Mr. Marston all matters of detail in connection with Commencement Exercises are left entirely in the hands of the Faculty.

Prof Babcock allowed $200 addition.

On motion of President Snyder, Professor Babcock was allowed $200.00 addition to his salary in place of the rooms in Howard Terrace recently vacated. The increase to date from June 1st.

Master of Science conferred on Dr. Grange

On motion of Mr. Doherty, it was decided to confer the degree of Master of Science on Dr. E. A. A. Grange at the Coming Commencement.

Pres. Snyder authorized to confer degrees

On motion of Mr. Doherty, President Snyder was authorized to confer degrees upon the graduating class in case no meeting of the Board should be held before that time.

Right of way for Bielbeshimer Drain granted

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

Mr Brewer's salary increased

On motion of Mr. Marston the salary of Mr. Brewer is to be $2000.00 per year, beginning September 1st.

Meeting adj to meet at College June 22

On motion of Mr. Doherty, it was voted that when the Board adjourn, it adjourn to meet June 22. at 2 O'clock P. M. at the College.

Sec'y authorized to confer with Business Manager Northwestern University

The Secretary presented a preliminary report upon the matter of safeguarding College Funds. On motion of Mr. Wallace the Secretary was authorized to confer with the Business Manager of Northwestern University, and further investigate the system of safeguarding there in force.

On motion adjourned.

Atl Brown Secy

Meeting of State Board of Agriculture.

College Board Rooms.

June 22 - 1908 2. O'clock P. M.

Present. President Graham, Mr. Oberdorfer 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 persons.

M. R. Allen
L. M. Barden
J. B. Bole
L. A. Burrell
R. G. Beard
R. O. Beard
Mrs. A. Beard
He. M. Leonard
A. L. Darby Jr
J. R. Dice
Ha. S. Heller
W. A. Hepson
S. W. Horton
L. Kiefer
E. He. Knebel
W. He. Parker
A. Rijkerink
Jos. L. Rosen
He. Snell
J. M. Walkup
B. S. Degree
Class of 1908
J. Wilber
A. R. Wilcox
C. L. Wilcox
L. B. Wilson
P. J. Baker
A. J. Barby
L. Bean
A. W. Brewster
J. R. Beardsell
O. D. Charlton
M. J. Dikeman
G. Dodge
A. L. Fuller
R. He. Gilbert
J. V. Gongwer
He. U. Hagaman
M. E. Healy
J. G. Kocher
K. B. Lemmon
G. He. McVannel
He. E. Marsh
E. S. Martin
He. He. Musselman
He. B. Norton
L. O. Gara
R. V. Pearsall
E. C. Pokorney
E. L. Page
E. L. Riley
He. Rogers
E. J. Starsberger
He. C. Spurgeon
R. A. Small
W. He. Small
O. W. Stephenson
He. He. Sutherland
L. V. Tenkonohy
G. S. Valentine
He. V. Williams
L. E. Wood
W. E. A. Zimmer
M. L. Andrews
L. B. Barlow
L. Beal
He. Beard
R. Learned
B. Leavell
M. Ferguson
A. D. Newlove
L. Heyde
J. Inglis
M. Mosher
G. Owen
M. E. Pratt
G. Warner
W. P. Brown
A. L. Snyder
He. E. Mervin
L. Christensen
A. C. Dwight
He. J. Neill
W. M. Rider
E. J. Rork
He. M. Rouse
P. Schroyer

And upon M. Frank Rogers the degree of Civil Engineer, upon L. E. Brooks, the degree of Electrical Engineer; upon W. D. Hurd the degree of Master of Agriculture, upon A. T. Evans the degree of Master of Science, and upon Dr. E. A. A. Grange the degree of Master of Science.

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

Bids on military uniforms.

Greenwald Athletic Mfg Co.,	Detroit	$14.25
Detroit Regalia Mfg Co	Detroit	14.95
J. N. Ulrich Mfg Co	Chicago	15.75
Jacob Reed's Sons	Philadelphia	14.75
The Stein Uniform Co	Cleveland	15.40
Hirshheimer Bros. & Co.	Cincinnati	15.15
Henderson Uniform Co	Kalamazoo	14.50
Wm. H. Horstmann Co.	Philadelphia	14.50
The Pettibone Bros. Mfg Co	Cincinnati	14.20
M. C. Miller Mfg Co	Columbus, O.	17.70

Contract to J. Reed's Sons.

On motion of Mr. Doherty, the contract for uniforms for the next College year was awarded to Jacob Reed's Sons, Philadelphia.

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

Amendment of resolution $115000.00 instead of $100000.00.

Resolved: That the resolution passed at a meeting of the State Board of Agriculture held July 10, 1907, by which Certification was made to the State Accountant, that not exceed than $100000.00 of the tenth mill fund would be required for the current expenses of Agricultural Colleges during the present fiscal year, be amended so as to read $115000.00, instead of $100000.00.

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

Amendment of resolution $3000.00 instead of $13000.00.

Resolved: That the resolution passed by the State Board of Agriculture at a meeting held February 26, 1908, by which $3000.00 was added to the appropriation for an Agricultural building, be amended so as to read $3000.00 instead of $13000.00.

Prof. Taft in regard to Farmers Institute

A communication from Prof. Taft, in regard to Farmers Institutes, was referred to the committee on Institutes.

Repairs - Chem. Laboratory.

On motion of Mr. Marston, the request of Prof. Kedzie for certain repairs in his laboratory, was referred to the Secretary, with power.

On motion of Mr. Doherty the following recommendation of Professor Shaw in regard to the river drive, was adopted.

East Lansing Mich June 16-'08

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

Dear Sir:-

I am dropping you this line merely as a reminder of the fact that I am strongly of the opinion that a river drive should be constructed this season from the athletic bridge to the farm lane, on the south side of Cedar River. All things considered, I believe Mr. Gunson a most satisfactory party to be placed in charge of the work. I should be very much pleased to see the work undertaken at once, and any assistance the Farm Department can give will be furnished gladly.

River drive

Yours very truly,
R. S. Shaw. Director.

On motion of Mr. Marston the following recommendation of Professor Shaw, in regard to the classification of Experiment Station Bulletins, was adopted.

East Lansing. Mich. June 20 1908

President J. L. Snyder
East Lansing. Mich.

Dear Sir:-

The Experiment Station Council recommends that hereafter the Station publications be classified into four groups, as follows,- Viz.-

Classification of station publications.

1.- Popular Bulletins comprising those of a practical nature, such as can be easily read and clearly understood by the farmer and which will have a direct bearing upon his practices. This series will be a continuation of the General group, now numbering 250, which has included the entire mailing list.-

2.- Special Bulletins,- comprising such as Sub-Station reports, historic material, limited editions for special purposes etc. Being mainly of local interest only, this class should not go into general circulation, being restricted to the districts interested, but at the same time, available to all, upon application.

3.- Technical Bulletins.- comprising reports of progress or results of work too scientific for interpretation or application by the General Farmer. These can be furnished to the press, scientific investigators, or anyone making

Special requisite:

4.- Circulars. - Comprising four to eight page pamphlets, or more. discussing practical topics of direct interest to farmers. These may be supplied to the press used in answer to correspondents, and even put into General circulation along with bulletin issues when the conditions seem to warrant such action.

Yours very truly,
T. R. Shaw, Director.

On motion of President Snyder the following apportionment of funds recommended by Director Shaw for the Experiment Station during the next fiscal year, and the classification of Experiment Station workers were adopted.

Experiment Station Apportionments

Position	Salaries Hatch Adams	Salaries State Fund	Expenses Hatch Adams	Expenses State Fund	Adams Fund	Name
Directorship	1000		500	500		Shaw
Bacteriologist (Assistant Director)	500	500	900	500	3a-3½	Conn & Hall
Entomologist	600	100	700	200	4a	Pettit
Chemist	825	525	900	500	2½	Patten
Soil Physicist	100	100		115	2a	Jeffrey
Botanist	100		200			
Horticulturist	600		1600			
In charge of Forestry	100		1600			
Asst. Hort.	400					Kelligan
Asst. Bact.		150		300	1½	Rahn
Asst. Dairy	100					Anderson
Asst. Animal Husb.	100					Norton
Asst. Botanist *		100		100	2	
Res. Asst. Bact.		1100		300	2c	Sayer
Res Asst. Chem		1000	200	500	2½a	Jodidi
Res Asst. Ent		1200		400	4b	Schafer
Res. Asst. Bact.	300	900		500	3a-3½	Giltner
Asst. in Bact.		750			1b	Brown
Asst. in Crops (Plant Breeding)	900					Spragg
Asst. in Bact.	250		250			Northrop
Asst. in Bact.		360			1b	Smith
Asst. in Ent.	350					
Asst. in Chem.	650		250			
Asst. in Bot.	360					

Position	Sch.	Adv.	Sta.	Col.	Sch.	Adv.	Sta.	Col.	ad Pos.	Name
Librarian	120				745					L.E. Landon
Secretary	500		200				800			A.M. Brown
Cashier			200							J. Schepers
Book-keeper			100							L.F. Jenison
Clerk			550							L. Ginter
Stenographer			125							M.A. Meech
Totals	785	7085	1775	250	7145	3915	1700			

+ Plant Physiology Hatch 15000.00 State 3475.00
Adams 11000.00

Positions and Titles in Experiment Station.

Council.
Heads of Departments

	Directorship	R.S. Shaw
	Bacteriologist	
	Scientific Asst.	
	Director	L.E. Marshall
	Entomologist	R.H. Pettit
	Chemist	A.J. Patton
	Soil Physicist	J.A. Jeffery
	Horticulturist	
Classification of Experiment Station Workers	In charge of Crops.	
A	Asst. Horticulturist	L.P. Negligan
D	Asst. Bacteriologist	O. Rahn
V	Asst. Dairy Husbandman	A.L. Anderson
I	Asst. Animal Husbandman	H.W. Norton
S	Asst. Botanist	
O	Research Asst. in Bact.	W.S. Sayer
R	Research Asst. Chemistry	L. Jodidi
Y	Research Asst in Ent.	Shafer
	Research Asst in Bact.	W. Giltner
A		
N	Asst in Bacteriology	L.W. Brown
D	Asst in Crops and Plant Breeding	F.S. Sprague
	Asst in Bacteriology	L.J. Northrop
A	Asst in Bacteriology	L.M. Smith
S		
S	Asst in Chemistry	
I	Asst in Entomology	
S	Asst in Botany	
T		
A	Librarian	L.E. Landon
N	Secretary	A.M. Brown
T	Cashier	J. Schepers
I	Book-keeper	L.F. Jenison
S	Clerk	L. Ginter
T	Stenographer	M. Meech
A		

President of College — J. L. Snyder Ex Officis ~~Member of~~ Council.
Consulting Horticulturist — P. T. Taft. Member of Council.
Consulting Veterinarian — L. M. Hunt. Advisory and Asst Staff.

The report and recommendation of Prof. Shaw in regard to the reorganization of the several divisions of the Farm Department, etc., was referred to the joint Committee, consisting of the Committee on Employees, and the Committee upon the Farm Department.

Board rooms abandoned.

On motion of Mr. 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 way as the President may direct.

Heating apparatus Howard Terrace

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

On motion the meeting was adjourned to meet at 8 O'Clock A. M. June 23.

Att Braun Secy.

June 23. 8 O'Clock A. M.

Present. Messrs. Oberdorfer and Doherty. and President Snyder. No quorum being present, the meeting was adjourned.

Att Braun Secy

Meeting of State Board of Agriculture

Office of the President of the College

August 6, 1908 2 O'clock, P. M

Present, President Graham, Messers. Marston, Bliss, Waterbury, Doherty and President Snyder

The minutes of the previous meeting were read and approved.

Appointment of H. J. Eustace.

President Snyder reported verbally, the appointment of Mr. Harry J. Eustace, as Professor of Horticulture and Horticulturist of the Experiment Station.

Reorganization of Dept of Agril. with exception of salaries.

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 Professor Jeffery to be $2100.00 instead of $2300.00. The salary of A. C. Anderson to be $1500.00 instead of $1600.00. The salary of Mr. Liverance to be $900.00 instead of $950.00. The salary of H. W. Norton to be $1500.00 instead of $1600.00. The report as amended, is as follows.

June 22, 1908.

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

Dear Sir:-

Amended report of Dean Shaw.

In effecting a reorganization necessitated by the combination of the offices 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 lands, equipment, men and money. Some departments are now about complete in their organization and equipment; others will have to be

developed. In some cases men have been developed 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 wherever necessary.

To abandon the title of Agronomy in Agril Dept and Exp. Station,

1- Heretofore the Experiment Station and the Agricultural Department have both had agronomists, each covering somewhat similar lines of work in soils and farm crops. It would seem desirable to entirely abandon this plan and give up the titles in agronomy, so ill 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.

Change in title of Prof Jeffery. Increase in salary.

I therefore recommend that Professor Jeffery's title be changed to that of Professor of Soils and Soil Physics: that he be considered the head of the division of soils and also be 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 term of service would seem to warrant this. (Salary $2100.00)

Mr. Howe as Instructor in Farm Crops: Increase in salary.

Up to the present time we have been unable to elect a suitable man to head the division of Farm Crops and in the meantime I should like to recommend that Professor Jeffery's assistant, Mr. Howe, who has been handling the crops work of the Farm Department, be retained for the ensuing year as Instructor in Farm Crops, and that his salary be advanced from $800.00 to $1000.00.

2- Heretofore the responsibility for the various phases of dairy work has been 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 dairy division be organized in the near future. Looking forward to such a plan, I should like to recommend that

A. C. Anderson as Asst Prof. in Dairy Husbandry Member of Adv. & Asst Staff Salary advanced

A. C. Anderson be appointed Assistant Professor of Dairy Husbandry in charge of the Dairy Division and also be a member of the Advisory and Assistant Staff, and Assistant Dairy Husbandman ~~in charge~~ of the Experiment Station: also that his salary be advanced from $1350.00 to $1500.00.

Salary of Mr. Livrance increased Instructor in Dairying

I recommend that Mr. Livrance, the Instructor in Dairying be retained, and that his salary be advanced from $660.00 to $700.00. Mr. Livrance would have charge of the instruction in butter and cheese manufacture, etc. in the Division of Dairy Husbandry.

H. W. Norton ad Asst Prof of Animal Husbandry. Increase in salary.

3.- I also recommend that H. W. Norton be placed in charge of Animal Husbandry, made Assistant Professor of Animal Husbandry and that his salary be advanced from $1350.00 to $1500.00; 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 our most important branches.

4- The Farm Department of the Experiment Station during the past year has concentrated its efforts on plant breding, the object being to produce superior varities of cerials, legumes, grasses, etc. to be tested and introduced throughout the state by means of the organization of an Experimental Union, consisting of M. A. C. graduates, short course men and farmers. Mr. T. A. Sprague, through the most persistent, painstaking effort, is achieving marked results. I recommend that he be retained as Assistant in Farm Crops (Plant Breding), and that his salary be advanced from $900.00 to $1000.00. Change of workers in this line is more disasterous 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.

T. A. Sprague retained as asst in Farm Crops Salary increased

5- I believe that if the services of A. J. Patten, Station Chemist, are to be retained, it will be necessary to advance his salary to $2000.00, and I recommend the same. In connection with this department I enclose a recommendation from Mr. Patten relative to his research assistant, Mr. Jodidi. Relative to Mr. Jodidi I wish to call your attention to a previous communication relating to permanent salary scale for research assistants.

A. J. Patten Salary advanced

Mr. Jodidi Research Asst.

6- We greatly appreciate the provision made for assistance in the Directors office by authorizations to employ an expert clerk. Future developments will undoubtedly justify procuring such assistance but for the ensuing year we feel that it will be possible to get along satisfactorily with the services of Miss. Adele Scott, the present clerk and stenographer, who has become thoroughly familiar with the work. Because of added duties I recommend that she be employed for the ensuing year at $50.00 per month.

additional help in Director's office

Increase in salary of Miss Adele Scott.

Respectfully submitted

R. S. Shaw

Director.

advance in the salary of Mary Smith

On motion of Trustee Bliss, the salary of Miss Mary Smith was made $360.00 per year, instead of $350.00

On motion of Trustee Manton, the following resolution was adopted:

Annual Round Up Institute to be held at the college.

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

On motion of Mr. Bliss, the following resolution was adopted.

Amount appropriated for current expenses for year ending June 1907 Act 266.

Resolved: That of the total amount appropriated for the use of the Agricultural College under the provisions of Act 266, Public Acts of 1907, not more than One Hundred Twenty-Five Thousand Dollars ($125,000.00) will be required for current expenses during the fiscal year ending June 30, 1907.

On motion of Trustee Doherty the following resolution was adopted.

additional sum of $35000.00 in building Ag. Bldg. Total $173000.00

Resolved: That there is hereby appropriated out of the funds granted to the Agricultural College under the provisions of Act 252, Public Acts of 1901 as amended, the sum of Thirty Five Thousand Dollars ($35000.00), for an Agricultural Building, in addition to the amount already appropriated for that purpose, making a total of $173000.00.

appointment of J. H. Rand.

The Secretary reported the employment of J. H. Rand of Charlotte as purchasing agent at a salary of $1000.00.

On motion of Trustee Bliss, the following apportionments for the period ending December 31, 1908 was adopted.

Apportionments for 12 yr. ending Dec. 31, 1908

Advertising	$1200.00
Athletics	100.00
Bacteriology	1000.00
Botanical	800.00
Chemical	800.00
Cleaning	1500.00
Contingent Building	
Department of Agrl. Education	500.00
Drawing	400.00
Electric Lighting	500.00
English	150.00
Entomology	400.00
Farm	2000.00
Forestry	1200.00
Heating	10000.00
History	50.00
Horticulture	2000.00
Library	1800.00

" Mathematical	$ 1100.00
Mechanical	6500.00
M. A. C. Record	350.00
Military	300.00
Miscellaneous	
Office, President's	500.00
" Secretary's	500.00
Physical	900.00
" Registrar	300.00
Salaries	55000.00
Special Courses	250.00
Telephones	800.00
Veterinary	300.00
Women's	600.00
Zoological	400.00

Apportionment for fiscal year ending June 30'09

Also the following apportionments for the fiscal year ending June 30, 1909.

Bulletins	4000.00
Farmer's Institutes	8500.00
South Haven Exp. Station	1500.00
U. P. Experiment "	3000.00

addition for Post Office boxes.

On motion of Mr. Doherty, the Secretary was instructed to erect a suitable addition to the Post Office to give room for the additional boxes.

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

Letter of C. A. Bond

Lansing, Mich. June 22, 1908.

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 a common sand brick for common brick work. The reason for its being specified in that way was be-

clay brick to be used on agl Bldg. instead of sand brick.

cause 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 a 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 plastered, the clay bricks are far superior in strength to

the sand brick, and 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, I sent for Mr. Christman and met with President Snyder and Secretary Brown, and took the matter up with them.

I call your attention to this so you will understand the reason for no clay brick being used instead of sand brick.

Very respectfully,

E. A. Board, Architect.

Prof. Baker directed to go to Mackinac Isl. to investigate ties. etc.

The Secretary presented a resolution adopted by the Mackinac Island State Park Commission, requesting the detail by the Board of Agriculture of a Forester to examine the trees and shrubs on the State Park. On motion of President Snyder, Professor Baker was directed to go to Mackinac Island, investigate and make recommendations to the Commission.

Petition of County Drain Com. was referred to Mess. Graham, Waston & Beij.

On motion of Mr. Bliss the matter of the petition of the County Drain Commissioner 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, Waston and the Secretary with power.

Highway along the no. boundary of Upp. Peninsula Exp. Station Farm.

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

Ft. Kenney's bond released.

On motion of Mr. Bliss, the bond of Fidelity and Deposit Co. of Maryland on behalf of Mr. Fred C. Kenney, as cashier, was released.

$500.00 for investigation of hog cholera.

On motion of Mr. Waston, Dr. Marshall was authorized to expend an amount of to $500.00 in demonstrating the efficiency of the government method of treating hog cholera, and this amount was added to the Amount of the Appportionment of his department.

Electric elevator in Women's Bldg.

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.

Stenographic assistance in Secy's office

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

On motion of President Snyder, the next

next meeting of the Board to be held at Detroit

meeting of the Board is to be held at the office of Mr. Doherty in the Administration Building, State Fair Grounds, Detroit, Wednesday, Sept. 9, at 10:00 o'clock A. M.

On motion adjourned.

A. C. Brown Secy

1

Meeting of the State Board of Agriculture.

Administration Building; State Fair Grounds.
Detroit, Michigan.

Wednesday, September 9, 1908 10 O'clock, A. M.

Present - Messrs. Bliss, Doherty, Marston, Oberdorffer and President 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.

resolution of Round Up Institute reconsidered and meeting held at Mt. Pleasant.

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

Mr. Doherty detailed to represent State Board of Agriculture at Nat. Ass. at Wash. D. C.

On motion of President 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:

Salaries of instructors to fill vacancies caused by resignations

To fill the vacancies in our teaching force 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.

Merrill A. Gothers,	Instructor in Entomology	$ 700.00
Jacob Kershaw,	Instructor in Chemistry	765.00
+ Ward H. Parker,	Instructor in Chemistry	765.00
Thos. H. Mason,	Instructor in Chemistry	765.00
Chas. R. Mann,	Instructor in English	750.00
Herman Knoch,	Instructor in English and German	700.00
Norma Gilchrist,	Instructor in German & English	750.00
Helen Michaelides,	Instructor in French & English	650.00
Arthur E. Fish,	Instructor in English	750.00
Lee W. Harrington,	Instructor in Zoology	700.00
Ruth E. Carll,	Assistant in Bacteriology and Hygiene	360.00
H. E. Laycock,	Instructor in Physics	800.00
Lillian L. Rexford,	Instructor in Domestic Science	700.00
Walter E. Hawkes,	Instructor in Mathematics	700.00
Phillip Rosenberg,	Instructor in Mathematics	700.00
H. L. Stohn, Lotin	Instructor in Mathematics	800.00

Expenses of the Board members allowed

On motion of Mr. Marston the expense accounts of the Board Members and the Secretary, were allowed.

Report of Dr. Marshall in preparation of serum in connection with hog cholera

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

To the State Board of Agriculture -

Statement of accounts in production of serum

Permit me to plad before you, a statement of accounts in connection with the production of serum for vaccination against hog cholera. In the formation of this statement, we have placed a value of 2¢ per c. cm. of serum and 1¢ per c. cm. of virus, a price established early in our work, and one which the present statement confirms very closly as the actual cost, disregarding investment and a reserve.

Vaccine rather than a curative agent

You are concerned, doubtless, as to the real merits of the serum. A year will give us a better notion of this, than three 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?

Its value in Michigan

1- We found hogs at M a. C. withstanding the virus of hog cholera such as we are using in manufacturing.

2- Mr. Brown's hogs at Grand Rapids withstood this same virus. In 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.

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

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

5- For our own work, that is the manufacture of serum, we have been immunizing right along so that a hog that will ordinarily die with the injection of 2 c.c. of virus, will withstand 1-2000 cc. or more of the virus.

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

Future manufacture of serum

One word about the future manufacture of the serum.

Dr. Dorset, 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 or at a cost price to the farmers". He refers to

Free distribution of serum.

representations from Pennsylvania, Virginia, Tennessee, Alabama, Mississippi, Louisianna, Colorado, North Dakota, South Dakota, Oklahoma and Kentucky. I have been in direct communication with Indiana, Missouri, Iowa, Nebraska, Arkansas, Minnesota and Kansas. These 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 pig. 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 with whom I am very well 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 progresses in the various states, there will be a great many developments, mostly technical, which will change the completion of this work to some extent. I do not wish to commit myself in any particular or offer false assurances.

My recommendations is that should our results prove satisfactory as we more on, and should the reliable commercial firms see nothing in it for them, we continue its manufacture at about the same rate as at present, for the purpose of doing, during the season when pigs are easily secured and the climatic conditions are not unfavorable for handling virus and serum pigs, to meet the demand upon the extent hog cholera is prevalent.

Continue the mfg. of serum to meet demands.

We could have used several times over the product of our manufacture upon the Three River epidemic, alone. I further recommend that twenty liters of the serum be kept in reserve to be used in demonstration, free of expense, upon widely scattered epidemics, and that all beyond this amount be placed on sale at 2¢ per C.C.m. for serum and 1¢ per C.C.m. for virus, until such a time as may be deemed wise to change.

20 liters of serum to be kept in reserve for free demonstration

I am not convinced in my own mind how the expenses 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 best by demonstration before regular students, short course men, veterinary meetings and such other gatherings as will be interested.

Very respectfully submitted,

Charles E. Marshall.

Expenditures.

Expenditures.

Feed			$101.07
Pigs (54)			352.88
Labor (This is the lowest estimate possible up to the present time)			250.00
Travelling Expenses			
C. E. M.	9.67		
W. S.	10.96		20.63
			724.58

Permanent Investment.

Cats (6)	$ 108.26
Tools (apparatus)	58.17
	166.43

This does not include the laboratory, stable, etc. which may also be considered as investment, for these are essential to the work.

Income.

Charles M. Seeley, Three Rivers,

620 C.C. Serum	$ 12.40	
32 c.c. Virus	.32	
		12.72

Dr. A. T. Peters, Lincoln, Nebr.

1200 CC Serum	24.00	
120 C.C Virus	1.20	
		25.20

James Nesbit, Schoolcraft, Mich.

560 cc Serum	11.20	
27 cc Virus	.27	
		11.47

Perry Randolph, Constantine.

230 CC Serum	4.60	
23 C C Virus	.23	
		4.83

Edgar Mooney, Constantine.

645 C C Serum	12.90	
64.5 CC Virus	.65	
		13.65

Harry Moyer, Constantine

920 C C Serum	18.40	
92 C C Virus	.92	
		19.32

Elmer Matheuson, Nottawa

560 CC Serum	11.20	
56 C C Virus	.56	
		11.76

Comfort A. Tyler, Nottawa

128 C C Serum	2.56	
12.8 C C Virus	.13	
		2.69

T. H. Baker, Flint

1000 C C Serum	20.00	
100 C C Virus	1.00	
		21.00

Mr. A. B. Herd

2205 CC Serum	44.10	
100 CC Virus	1.00	
		45.10
On hand		
21355 CC Serum	427.10	
500 CC Virus	.50	
Estimated serum from hogs ready for billing		
Serum	140.00	
Total Income		735.24

Report filed. Director Shaw and Dr. Marshall instructed to continue the work (Sum added to appropriation)

On motion of Mr. Marston, the above report was received and placed on file, and Director Shaw and Dr. Marshall were instructed to continue this line of work and report to the Board from time to time. $1000.00 was added to Dr. Marshalls appropriation to cover the necessary expense.

Director Shaw to report on milking machine

On motion of Mr. Marston, Director Shaw was requested to report on the practicability of milking machines.

Steam heat for Howard Terrace also Wells Hall, Chem. Lab. and Eng. Bldg.

On motion of Mr. Aberdeen, 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, Wells Hall and the engineering building, if it was thought desirable to put in steam at these places.

On motion adjourned, subject to call of the President.

A. L. Brown Secy

Meeting of the State Board of Agriculture.
Office of the President of the College.
East Lansing, Michigan.

Saturday, October 31, 1908. 10:30 o'clock, A. M.

Present - President Graham, Messrs. Marston, Doherty, Waterbury and President Snyder.

The minutes of the previous meeting were read and approved.

President Snyder presented the following report

report of Pres. Snyder

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.

Wilson employed as Prof. of Drawing.

Mr. V. T. Wilson as Professor of drawing to take the place of William Holdsworth, deceased. Mr. C. H. Eifert was appointed to the place in drawing vacated by Mr. William H. Perkins at a salary of $750. Miss. Elizabeth Snellgrove at a salary rate of $600, but to serve only until the end of the winter term. Mr. Harry J. Eustace was appointed to the professorship in horticulture made vacant by the resignation of Dr. Fletcher. Mr. Shepherd Leffler was appointed instructor in political economy at a salary of $700 to take the place of Mr. McAbay, resigned. Miss Elida Yakely was appointed registrar at a salary of $800 and Mr. Fuller instructor in mathematics at a salary of $700. Mr. J. H. Rand, purchasing agent at a salary of $1000 and Miss. Harrison, clerk in the Secretary's office at a salary of $650. Miss. Mabel Long was appointed as physical instructor at a salary of $700, to take the place of Miss. Chapman who resigned. Miss. Rosamond Kedzie was appointed assistant in domestic art at a salary of $350. Mr. P. M. Baukknight was appointed instructor in English at a salary of $750. The Director of the Experiment Station employed Mr. C. B. Collingwood as assistant in chemistry at a salary of $900.

Wm. M. Long as physical instructor.

Rosamond Kedzie assistant Dom. Science

P. M. Baukknight instructor in English

C. B. Collingwood asst. in Chemistry.

All these positions were provided for by previous Board action 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 Miss. Snellgrove for the term of six months at a rate of $600.

Salary of Mr. Fuller and Miss. Snellgrove not designated by Board.

It was necessary to have three 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.

Additional help necessary at beginning of next term.

Very truly yours.

J. L. Snyder.

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

Tract of land for weather bureau.

Resolved: That under the authority granted under Act Number 94 of the Public acts of 1907, the president and secretary of the State Board of Agriculture are hereby directed to execute a preliminary agreement and later a deed for the sale and conveyance to the United States government, to be used as a site for a weather station observatory, of the following described land, situated in the City of East Lansing, Ingham County, State of Michigan and more particularly described as follows-

Description of the land.

To Wit:- Beginning at a point in the South boundary of the Lansing and Howell plank road 40 ft. westerly from the intersection of South line of said road with the Township line between T. 4 N. R. 1 W. and T. 4 N. R. 2 W. thence N. 76° 03' W., 137 ft.; thence S. 7° 21' E. 220.68 ft.; thence S. 65° 43' E., 77.68 ft.; thence N. 8° 33' E., 206.0 ft. to the point of beginning; the tract of land so described containing .49 of an acre more or less.

Cost of the rental

On motion of Mr. Doherty, the rental for the postoffice was fixed at $50.00 per month or $600.00 per year; the term of rental not to exceed five years.

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

Erection of hospital cottages for contagious diseases

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

Purchase of an electric truck.

On motion of Mr. Doherty, President Graham and the secretary were requested to look up the practicability of purchasing an electric truck for the use of the college.

Financial statement of hog cholera work.

Doctor Marshall presented a tabulated financial statement concerning the hog cholera work up to the present time, showing an expenditure of $1749.25 and an income, including stock on hand, of $2597.50. Also a report on herds of hogs treated.

On motion adjourned.

Att Brown Secy

Meeting of the State Board of Agriculture

Office of the President of the College
East Lansing, Michigan

Saturday, November 28th. 1903 10:30 o'clock. A. M.

Present - President Graham, Messrs. Marston, Oberdorffer, Waterbury and President Snyder.

The minutes of the previous meeting were approved without reading.

Application for increase in salary of Miss Purcell

President Snyder presented an application for increase in the salary of Miss. Purcell, clerk of the mechanical department, which was referred to the committee on employes.

On motion of Mr. Oberdorffer, the following report of Professor Shaw on milking machines, was accepted and placed on file.

Report on Milking machines

— Report on Milking Machine —

President J. L. Snyder:-

The following is my report in response to the request of the State Board of Agriculture, relative to the use of the milking machines. In making this report I have consulted all the experiment station bulletins relating thereto, and have also secured opinions from the principal users of these machines in the state.

Bulletin of Aswar Erf

The first bulletin on this subject was issued by Aswar Erf of the Kansas Station, in October 1916, and consists largely of a description of the actions of three machines. He concludes that —

1— The milking machine has reduced the necessary labor by 30 to 40 %.

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 dairy the investment is unwarranted, but would be for fifty cows or more.

6— Cows should be selected and bred to respond to machine milking.

Bulletin of Mass. Comm.

Bulletin #47, Experiment Station, Mass. Comm.

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 of Ontario Dept of Agriculture

Bulletin 72, Ontario Dept. of Agriculture, July 1907

1. In comparative tests for short periods the results were in favor of hand milking.

2. When machine was compared with inexperienced labor the results were not materially different.

3. Natural tendency, particularly with older cows, was to go dry sooner than when hand milked.

4. Under strict sanitary conditions hand and machine drawn milk showed about the same bacterial content.

5— Would not advise installation of machine milker unless dairyman is prepared to fulfill sanitary conditions essential to pure milk production.

Bulletin of Penn. State College.

Bulletin 80. Pennsylvania State College. January 1906.

1— No difference in yield of milk from machine or hand method was observed.

2. No injuries to udder attributable to machine.

3. Quality of milk of individual cows remained practically constant whether hand or machine milked.

Opinion of users.

The following are opinions of private parties using milking machines in Michigan, viz:

Gov. Warner.

Governor F. M. Warner:- Believes the Burrell machine is a success when properly taken care of. On our own farm it is working well when we have someone to take proper care of it, which is difficult.

Bilow & Tillie Bohnsville.

Bilow & Tillie, Bohnsville Mich:- "I consider the milking machine a success. Am not positive that cows will give as much milk on an average, as when milked by first class hand milker. We draw what milk comes readily and then finish by hand; by this combination three men can milk fifty cows in one and one-half hours. Does not pay to use machine on cows nearly dry. Do not believe machine will ever be profitable or popular for small herds, but will for herds from twenty to fifty cows up."

Frank Kinch Grindstone.

Frank Kinch, Grindstone, Mich. "The milkers are all O. K. They do all that is claimed for them."

T. C. Richardson Northville.

T. C. Richardson, Northville, Mich. "I have used the Burrell milking machines for a little over two years and will say that they are a success in every sense of the word. Am now milking eighteen cows."

E. W. Ramney Greenville.

E. W. Ramney, Greenville, Mich. "We have used the Laurence-Kennedy-Burrell machine nearly two years and find them satisfactory both from sanitary standpoint and saving of labor. The slight repairs are inexpensive."

Chas. B. Sickles Romeo Mich.

Chas. B. Sickles, Romeo, Mich. "Not using machine at present, having plenty of help to milk by hand; not handy to run by artificial light. Think machine would be satisfactory with competent operator."

Frank Hacker, Howell, Mich.

Frank Hacker, Howell, Mich. "Used three milking machines every day for one year: 500 acre farm, all kinds of machinery and the milking machine the only thing that cannot be improved on. Two men milked 34 cows last winter, took care of them along with 40 head of other cattle and 14 horses, besides hauling manure. Man can milk 34 cows in 1½ hrs. and could milk a many more following in same time apparently. Used Laurence-Burrell-Kennedy. Closed with "God bless the milking machine."

Aaron Worthington Hillsdale Mich.

Aaron Worthington, Hillsdale, Mich. "Have only used machine a short time and like them. Milk 42 cows in three hours. but expect to reduce time as cows become more accustomed.

W. E. Parmelee Hilliard Mich.

W. E. Parmelee, Hilliard, Mich. "Bought first machine in State and used it two seasons. Good help and not using machine now, but may later when all cows freshen. Part of cows milk out well, but all do not.

W. Schlecter Brown City. Mich.

W. Schlecter, Brown City, Mich. Have had milking

machines for two years and bid them all right when operated by careful, competent men: ordinary farm help cannot do it.

Source of fund

The source of expense may not have again manner of unsuccessful parties, though they did not know what information Lucas seeking.

Respectfully submitted,
(Signed) R. L. Shaw.

Salary of Dr. Marshall increased. To pay out expenses to conventions etc.

On motion of Mr. Manton, the salary of Doctor Marshall was increased from $2300.00 to $2500.00 per annum; the increase to date from January 1st. next, and to be paid from the current account; it being the intention that he shall henceforth pay his own expenses in attending the various conventions, at which it is deemed desirable that he should be present.

Mr. Waterbury & Prof. Jeffery to attend National Live Stock Show at Omaha, Neb. in December.

On motion of Mr. Manton the unanimous wish of the Board was expressed that arrangements be made, if possible, for Mr. Waterbury and Professor Jeffery to attend the National Live Stock Show to be held at Omaha, Nebraska, in December, and at the same time to investigate the equipment of said Laboratories at Ames, Iowa and Urbana, Illinois.

Inability of State Treasurer. advancements for funds.

On motion of Mr. Chandler, the following resolution was adopted.

Resolved: That in view of the inability of the State Treasurer to issue requisitions on the college, the secretary and treasurer of the board be and the same are hereby authorized to arrange for advancements until such time as the funds of the State Treasury are available.

Installation of fire escapes referred to committee.

The secretary presented an order from Mr. Briggs, Deputy State fire inspector, for the installation of fire escapes, which was referred to the committee on buildings and college property.

Expenses of board members allowed.

On motion of President Snyder, the expenses of the board members were allowed.

On motion adjourned.

A. C. Brown Secy.

Meeting of the State Board of Agriculture

Office of the President of the College.
East Lansing, Michigan.

Wednesday, December 23rd. 1908. 2:00 o'clock, P. M.

Present President Graham, Messrs. Bliss, Marston, Doherty, Waterbury and President Snyder.

The minutes of the previous meeting were read and approved.

On motion of Mr. Doherty the following resolutions were adopted.

Resolutions to Mr. Carnegie

Whereas: The president of the college has been apprised, through Dr. Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, of the generous addition made to the Foundation by Mr. 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 Mr. 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. Marston the following apportionment of funds for the six months ending June 30th 1909 was adopted.

Apportionments for six months ending June 30, 1909

Advertising	1000.00
Athletics	100.00
Bacteriology	1500.00
Botanical	1019.25
Chemical	1175.00
Cleaning	1500.00
Contingent Building	
Dept of Agrl Education	640.00
Drawing	400.00
Electric Lighting	1000.00
English	315.00
Entomology	460.00
Farm	4600.00
Forestry	2704.00
Heating	10000.00

History	40.00
Horticultural	2727.00
Library	1800.00
Mathematical	1120.00
Mechanical	6000.00
M. A. C. Record	347.50
Military	300.00
Miscellaneous	. .
Office. President's	500.00
Secretary's	600.00
Physical	668.00
Registrar	300.00
Salaries	60000.00
Special Courses	2400.00
Telephones	600.00
Veterinary	350.00
Womens	700.00
Zoological	627.00

Fines refunded.

On motion of President Snyder. the fines of those students who entered college late by reason of attending the military encampment, were ordered refunded.

Guns - from Mil. Dept of State.

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

Exam. of College Hall.

On motion of Mr. Bliss, architect Board was directed 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.

H. H. Brown Secy