

securing a suitable incumbent for the position of
 president of the College.
 Adjourned

Board Meeting

Board met Tuesday Dec. 17 at call of President in
 Governor's Room at Capital. All members present except
 Mr. Garfield

The date of next meeting was changed from Jan.
 7, 1896 to January 2, 1896 at Governor's Room in
 Capitol at 7.30 P.M.
 Adjourned.

State Board of Agriculture Meeting Jan. 2, 1896.

The Board met at Governor's rooms in Capitol, Thursday,
 Jan 2

All members present. Minutes of meeting of Nov. 11
 minutes approved, read and approved. Minutes of last meeting read and approved.

A recess was taken to Friday morning at 9 A.M.,
 Jan 3 at the College.

Met at 9.00 A.M. Friday.

It was resolved that the Secretary be instructed to
 ask the U. S. War Department to extend the detail of
 Lieut Lewis to Aug 8 and also to request the detail of
 Lieut N. H. Bandholtz Co. C. 8th Infantry, to succeed Lieut.
 Lewis as military instructor.

It was resolved that M. L. Dean be appointed Asst.
 in Exp. Station, Hort. Department, in place of W. P. Hedrick
 resigned, at a salary of \$500.00 per year, to begin when
 he reports for duty. It being understood that the salary is to be increased
 at the end of each year \$100.00 until it reaches \$800.00 per year.

Military

Horticulture
 M. L. Dean asst.
 \$500.00

minutes & make
apportionment for
next term

It was resolved that the Finance Committee and Secretary be instructed to make apportionment of funds for use of departments for next six months.

Dr. Beal allowed
expenses

Dr. Beal was allowed expenses attending winter meeting of State Horticultural Society at Adrian, to be paid from institute fund.

Thorn Smith and
Chem. dept @ 30⁰⁰

Thorn Smith was appointed Assistant in Chemical Department. Exp. Station, at a salary ^{\$300⁰⁰} per annum.

Chas. Johnson, asst
Green house

Mr. Chas. Johnson was appointed assistant at Green House at \$30⁰⁰ per month to Mar 1, and \$35⁰⁰ after that date.

Report from Prof
Hort.

The following report from the Prof of Horticulture was received: Pres. C. J. Monro.

Dear Sir: At a meeting of the Board of Agriculture last spring I was requested to present a plan for the ornamentation of the school grounds in Michigan, by the cooperation of the college and the teachers and pupils of the public schools.

The success of a similar undertaking by the State Horticultural Society in 1881 would indicate that much good can be done along this line. Not only can we hope to improve the appearance of the grounds which are for the most part notoriously bare and unsightly, but it will aid in the cultivation of a love for the beautiful and will tend to give the children a knowledge of the methods of planting and caring for trees, shrubs, and plants.

I would suggest that an endeavor be made to interest the patrons and teachers of the schools in the matter by means of short articles and circulars sent to the newspapers of the state, which they would be urged to present to their readers; these could also be issued as a bulletin, together with suggestions as to the grading, making and caring for a lawn, the planting of trees and shrubs, and the making, planting and caring for flower beds.

In this could be included an offer to send a collection of flower seeds to any school of which the teacher would

agree to plant and care for them and report the results at the end of the season. He might also promise to send shrubs and vines in 1897 to the schools that have by the improvements in the school grounds and the care given to the flower shown a satisfactory interest.

With this step in mind we have saved seeds of such of the common flowers as seemed desirable for this purpose. But many of the kinds that it will be desirable to distribute did not fruit freely. We have also a considerable number of small shrubs that have been grown by the students, and have a large number of cuttings made for starting next year.

In addition to the seeds we have on hand, it will be necessary to purchase ^{perhaps} fifty dollars worth, the amount depending upon the interest that is taken in the matter and whether any limit is placed upon the number of the collections that is sent to any county.

The seeds could be sent in bulk in such quantities as the number of applications would warrant, and put up in small packages here at the college. Estimates could be secured from several seed firms upon seed of guaranteed quality and of a vitality equal to a sample to be submitted for test.

I have been assured of the cooperation of the Department of Public Instruction, and of the Michigan School Moderator which goes into the hands of one half of the teachers of the state.

Respectfully submitted

L. R. Taft, Prof. of Horticulture

Prof Taft was authorized to procure seeds and plants for school grounds as per plan presented, and he was authorized to expend not to exceed \$50.00 for that purpose.

Weather Service

Lieut Schneider of the Michigan Weather Service presented a report of the work for the year 1895, which was accepted.

The following estimate of expenditures for the

Weather service
estimate for the
year 1896

year 1896 for the weather service from special appropriation received from the superintendent of weather service was approved and adopted. Telephone \$20⁰⁰, Stenographer \$300⁰⁰ Assistant \$140⁰⁰. Instruments and Repairs \$300⁰⁰ General expenses, travel, \$760⁰⁰ Total \$1000⁰⁰.

Report of
Special Committee

Proposition of
J. J. Lyon

Mr. Monro of the special committee reported proposition of Mr. J. J. Lyon of South Haven, for rent of ten acres of land owned by him for use of South Haven Sub. Station, as follows: I propose to continue the agreement on the same terms as for the past five years, except as follows.

A foreman to be allowed me at an increased price (say \$40⁰⁰ per mo.) as during the past season.

I am to be allowed \$15⁰⁰ per annum for the use and wear and tear of tools and implements which I am to supply as needed.

The present buildings have been put upon the place entirely at my expense; and I have also expended nearly or quite \$1500⁰⁰ in tile draining the ten acres belonging to me; in addition to which I have expended \$115.50 for a strip of land 26 links wide along the south side of the state five acres, upon which by error in locating the boundary, an entire row of trees together with the boundary wire fence had been planted. Under such misapprehension the building, occupied as office and residence is found to have been placed about six or seven feet over the north line of the five acres deeded to the State Board of Agriculture. In view of all the circumstances, since the conditions are such that both office, barn and tool-house must be moved. I ask that such arrangement be entered into as shall insure to me and my successors the permanent ownership and occupancy of the building in question.

It is understood that I am acting also as special agent of the National Dept. of Agriculture, and that this, if continued, will not be objected to by the State Board of Agriculture.

The proposition was accepted, and Mr. Monro was authorized as acting president of the college to obtain lease on the terms named.

College Paper

It was resolved that a weekly paper be published by the college under direction of the special faculty committee, consisting of Dr. Edwards, Prof Smith, and Prof F. S. Kedzie, the first number to be issued as soon as convenient; the committee also to report plan for permanent publication to the Board at next meeting.

Adjourned to meet at Moreton House, Grand Rapids.
Monday evening Feb. 10 at 7.30 P.M.

Special Meeting of the State Board of Agriculture
Board Meeting January 30, 1896. at call of President.

Met at College at 7.30 P.M.

All members present except the Governor.

Minutes approved

Minutes of last meeting read and approved.

President Monroe reported regarding certain matters of College business.

Assignment of
rooms.

Mr Garfield and Secretary were appointed a special committee to report on the assignment of rooms for employees; the employment of janitors and on a general system regarding the room to be furnished employees.

Adjourned to Friday at 8.30 A.M.

Board met at 9.30 A.M.

Same members present.

After informal discussion adjourned to 1 o'clock P.M.

Met at 1 o'clock P.M.

Thorn Smith
Salary \$500⁰⁰

It was resolved that the salary of Thorn Smith be \$500⁰⁰ per year from January 1, 1896.
Adjourned.

Board Meeting Feb 10, 1896

Met at Morison House, Grand Rapids, Monday evening, Feb. 10, at 8.00 P.M. All members present.

Minutes approved

Minutes of last meeting read and approved.

Three:

A communication from the Farm Department relating to planting of trees on west line of farm was referred to committee on Botany and Horticulture.

Adjourned to 10 A.M. Tuesday.

Tuesday, Board met at 10.00 A.M. Feb 11, 1896.

It was resolved that a ballot for President be taken at 1.30 P.M.

A recess was taken to 1.30 P.M.

J. L. Snyder
elected President
at salary of \$3200.00

1.30 P.M. Board met. An informal ballot was taken for president of college. Result, J. L. Snyder had six votes and J. W. Arbury had one vote. J. L. Snyder of Allegheny, Pa. was declared elected president of the college at \$3700.00 per annum and house, salary to begin when he takes charge.

College Lands
Relating to the
payment on
lands

It was resolved: that for all Agricultural College lands hereafter sold at least one-fourth of the purchase money shall be paid at the time of sale, and that all lands which are valuable for their timber the whole amount of purchase money shall be paid before any timber is cut. That lands that are not valuable chiefly for their timber, one-fourth of the purchase money shall be paid at the time of sale, and when the purchaser shall be an actual occupant of the land, the remainder of the purchase money may be paid at the option of the purchaser if the interest is paid annually.

That the Commissioner of the State and Land Office be requested to insert this order in each certificate of purchase.

It was resolved that the next meeting of the Board

next meeting
July 10, 1896

be held at the College, Thursday, evening Feb. 20th
at 7.30 P.M.

And that the report of the special faculty committee
be made a special order for Friday morning at 8.30 o'clock

Adjourned.

Meeting of State Board of Agriculture Feb. 20/1896.

Board met at the college at 7.30 P.M. Present, Pres. Mills, Messrs. Garfield, Monroe, Snyder, Secretary.

Minutes approved

Minutes of last meeting read and approved.

Relating

to discipline

The following resolutions adopted by the faculty were presented to the Board:

1. That the Faculty recommend to the Board the appointment of an executive committee, that with the president, shall be empowered to handle and dispose of all cases of discipline, except that at their discretion, said committee shall have power to refer cases to the adjudication of the whole Faculty

Physical Exercises

2. That we recommend to the Board that physical exercises for students be continued next term on the same basis as last term.

Military

3. That the Board of Agriculture be requested to authorize the compilation of the military record of the graduates and old students of M. A. C. for publication in some future edition of the Alumni catalogue.

In regard to the first item, the following resolution was adopted:

Relative to
discipline

In the matter of the selection of an executive committee from the Faculty to act with the President in matters of college discipline, the Board of Agriculture takes the position that under the law all matters of discipline primarily is left with the Faculty and they may choose such executive committee without intervention or authorization by this Board.

It was resolved that Quint Lewis is hereby authorized

Physical Culture

to continue during the spring term, in his discretion, a course in physical culture as a feature of the work of his department, provided that no extra expense shall be incurred for instruction.

Compilation of Military Record

It was resolved: that F. S. Kedzie be requested to make a compilation of the military record of the graduates and old students of M. A. C. for publication in some future edition of the Alumni Catalogue

Closets

The Secretary was authorized to build closets at Wells and Williams Hall in his discretion.

Gardens
Trees

Garden work was placed in the hands of the Secretary to adjust in his discretion.

The Farm Department was authorized to plant trees on the entire west line of farm, and also on the land east of highway as per plan of Farm and Botanical Departments at an expense for trees of \$210⁰⁰

Good Roads Convention

The Secretary, Prof. Vedder, and Dr. Beal were elected delegates to the Good Roads convention at Lansing, Mar. 3.

Delegate to National Hist.

Mr. Garfield was elected delegate to the National Organization of Institute Workers at Watertown, Wisconsin, Mar. 10.

Run

A recess was taken to 8.30 Friday.

Friday, 8.30 A.M.

Same members present.

Relative to College Paper

Special committee in charge of the college paper reported the following plan: Your committee called a meeting of the Faculty to advise regarding a plan for publication of the college paper, at which the following action was taken, and which we recommend as a plan for publication:

1st. That the paper be called the M. A. C. Record.
2nd. That the President of the College be ex-officio chairman of the committee on publication of the M. A. C. Record.

That a committee of three, chosen from the Faculty and the Experiment Station workers by the Board, with

the President of the College as chairman ex-officio, constitute the committee of publication.

That the students be invited to cooperate in the publication of the Record, according to a plan subsequently to be formulated.

That Prof. Frank Stedzie, Prof. C. L. Weil, Prof. L. R. Taft, be the committee on the part of the Faculty. The recommendations were approved and the committee as named was made the committee of publication with final authority in control of the paper.

Report of
Special committee
to investigate
the college

The special committee, consisting of Dr. H. Edwards, Prof. Clinton D. Smith, and Prof. Frank Stedzie, appointed Sept. 10, 1895, for the purpose of considering the present condition and future policy of the College, and to make recommendations concerning the same, reported as follows:

The following recommendations contained in the report were considered.

1. No action taken
2. Relating to changes in the agricultural course; laid over to next meeting.
3. Relating to six special courses; it was resolved that they be established as soon as practicable.
4. Changing vacation from winter to summer was put over to next meeting.
5. Securing more intimate relations with district schools; this recommendation was adopted.
6. Course for ladies; it was resolved that this be established as soon as the finances of the college will allow.
7. Short preparatory course; it was resolved that this be provided for.
8. a. That the matriculation fee be reduced. No action taken.
- b. That the experiment be tried of organizing a boarding hall under private management at which the price of board shall not be over \$2.00 per week. Adopted, and the details left with the special committee and the Secretary.
- c. Regarding text books to be supplied through the college. Adopted and left with the President of the college and a committee of the faculty to be appointed by the

President with power to act.

d. Regarding discouraging expensive entertainments and society expenses. Approved.

9. Regarding the abolition of the dormitory system. Approved as the sense of the Board, as an object to be accomplished as soon as practicable.

10 Advertising. It was resolved that the President of the college, the Secretary, and Dr Edwards be a committee to consider the matter of properly advertising the college, and report to the Board.

Adjourned to meet at call of President and Secretary

Report of Committee

Appointed To
Investigate attendance at The Agricultural College.

Made
To The Board of Agriculture of the State of Michigan

February 21, 1896

Full report of
Committee

To The Honorable Board of Agriculture

Gentlemen - Your committee of three members of the faculty of the Michigan Agricultural College. Appointed Sept. 10. 1895. To inquire into the causes which have contributed to the declining lack of popularity of our college with the class of people in whose special interest it was organized by the State. and to report its findings to this Board together with its recommendations as to any change of policy or method by means of which the College may be enabled to get in closer touch with the farmers of the State and secure the attendance of their sons and daughters at our institution, and consummate the object sought by the State and general government in founding and endowing the institution. We have to make the following report: The inquiry has been prosecuted under many difficulties; foremost among which were the lack of leisure on the part of the committee until the close of the term, and thereafter an abnormal condition of public mind, rendering impossible any access to more sealed opinions and their bases. Notwithstanding, the committee believes that it has in some degree performed its task and has arrived at weighty and important conclusions. The investigation has been conducted along the following lines and the original data are accessible to you under the various references in the body of the report. First - Letters to prominent persons. Second - Newspaper articles since the organization of the College. Third - Interviews with prominent men. Fourth - Opinions from recent students. Fifth - Reports from various bodies, notably the State. Sixth - A section of the Alumni. Seventh - Opinions of members of the faculty. Eighth - Statistics relating to this College. Ninth - Facts concerning other similar colleges. Tenth - Facts concerning colleges different in scope. Eleventh - Some study of conditions in other countries. Twelfth - Statistics of attendance at the College show an apparent increase in total attendance since 1887. [See Table A] An analysis of the figures shows that this increase is due to three causes that prohibit us from reckoning it as coming from the farm or as proceeding from an increased interest in thorough agricultural education. In order to make a comparison that shall be indicative of increase or decrease of interest in agricultural education it is necessary to make the comparison under similar conditions and to exclude increment arising from the introduction of new sources of attraction. Previous to 1886 there were only three classes of students at the college, namely agricultural students, special students, and a few ladies resident at the college. At that time appears the first class of mechanical students. This class has grown from 36 in 1886 to 127 in 1894 and a slightly smaller number (117) in 1895. The attendance of ladies has materially grown though not steadily. In 1889-90 the summer school idea for teachers of science in the public schools was originated, and this has caused a growth in the special student class (not including regular graduate students or students merely irregular in classification) from 23 in 1887 to 55 in 1895. In 1894 the special winter dairy course was organized, and numbered in 1894-17 and in 1895, 30. If we deduct from each year's total attendance the dairy students, the ladies, the mechanical students, and the special (teacher) students, we get the agricultural students of each year. The figures show increase from '75 to '81; decrease from that time to '85; a large and sudden increase from '85 to '88; then a falling off to '91; and a practically stationary condition from '91 to '95. The highest number of agricultural students was reached in 1888, namely 226. As, however, few specials are given that year, there is probably some mistake in the figures, and it is safer to take, as the highest, the figures of the previous year, 221. The lowest subsequent number is in 1894, 161, and from 1891 to 1895 the range of difference is only 15, with a final number of 167. From these data, we gather that, with temporary gain from '79 to '82 and from '86 to '90 the interest in thorough agricultural education at the college has practically remained stationary since 1876. Table B shows the percentage of students from the farms from 1883 to 1894. This table shows large variations from year to year; but if we average the percentages for periods of three years, we get a falling off from 55.6% in the first period to 39.8% in the third with a stationary percentage for the last six years. This decrease of percentage corresponds very closely with the rise in importance of the mechanical course; and it is to be

supposed that this attraction would draw largely from the cities, the decrease in ratio is probably due to increase of attendance from the cities, rather than decrease of attendance from the country. Moreover the actual decline of ratio between rural and urban population from 61% in 1854 to 55% in 1894 would offset any further relative decrease in ratio of attendance. So far then as absolute attendance from farms is an indication of interest in the present work of the college, after a consideration of all data, we may safely assume that it has remained stationary during the last twenty years. So far as this goes we congratulate ourselves; but compare with the stationary rural population it would seem that if agricultural education only ten or twelve years old in this state in 1875 - for the war period is practically a blank - is a pressing need in farming, it should, with so large a mass to choose, have multiplied the attendance at the college many times over. In comparison, too, with the average growth of attendance at other colleges, our agricultural course makes a sad showing. Table 1 shows by lines the attendance for the same period at the U. of M. the Normal, the Ohio, the West, the M.A.C. and the agricultural course of the M.A.C. The upward trend of all the lines, except the one last mentioned, brings out very strikingly the phenomenal increase in all the schools as contrasted with the stationary attendance in our agricultural course. One other comparative table is given to show the range of the facts we are handling. Table 2 shows the actual attendance in the agricultural course of a number of the agricultural colleges in other states. They are those from which we could get reliable data. Many of the colleges give a variety of courses more or less general in nature, and summaries of attendance in these courses are the only statistics accessible. By study of this table and the accompanying correspondence it will be found that in only one college does the attendance of male students in a distinctly agricultural course exceed ours; and in most cases it is much below ours. The important conclusion from these facts is that no cause purely local in their range of effect will account for the facts existing here as well as here, and we may also comfort ourselves somewhat with the other apparent truth that nowhere else the antagonistic forces, whatever they may be, have more successfully met than in our school.

To sum up the present condition of interest in agricultural education, we would say: (1) that judging by actual attendance at the college, interest among the farmers seems for the last twenty years to have remained stationary; (second) that this stationary condition of interests exists over a wide area of American territory; (third) that some study of foreign schools indicates that this condition is by no means unusual in Europe. In order to reach the causes of this stationary interest, the history of public opinion on the college has been reviewed. Our paper sentiment would indicate in the beginning exaggerated expectations from the college both as to amount of money requested and as to practical results. The college was to turn out yearly at least two hundred graduates at an annual cost of not to exceed fifteen thousand dollars. The education was to cost the student but his labor, and the farm produce was to support the training department. Besides, all this the graduate of the school was to be an ideal farmer or horticulturist from the start; was to accomplish far better practical results than the actual farmer of fifty years standing; was to inaugurate a millennial era in farming in which independence and a competency were to be the invariable reward of the farmer's work. These expectations were very soon found to be fallacious. Farmers are naturally conservative and cautious and they held off to see how the experiment would turn out. It was found that industrial education is more costly than any other form. The equipment required was much larger and the teaching force more numerous. Moreover the graduates of the college were not to apply, but public opinion invariably applied it. The college men had the theoretical instructions and something of the practice, but they lacked the judgment which a college man made only a fair success, the public said: "He cannot farm any better than neighbor so and so" (naming a man perhaps of remarkable natural shrewdness and judgment). "who never saw a college. Hence an agricultural education is useless." This original disappointment and consequent distrust still survives and is kept alive by the continued disagreement in theory and policy among those who guide the destinies of our agricultural colleges. There are those who contend that the land grants were intended to aid in establishing colleges where a general scientific education under farm auspices, so to speak, might be obtained; on the other extreme are those who think that the science training should be of the crudest sort, and the main part of the instruction should be in empirical methods of tillage and manual training in the ordinary farm operations. There is one class of men who would make all the teaching in all agricultural college technical, there is another who, with the smallest possible concession to the name agricultural in the way of technical instruction, would build a literary college on an agricultural foundation. Between these extremes are all grades and shades of opinion; until the name agricultural college has, in the minds of the people, no definite meaning, and agricultural education has been pronounced by many a sham and a fraud. Much of the committee's information concerning public feeling toward the college has been gathered from oral discussion with men and women during the institutes, and the circular letters sent out have not brought in as many replies as we expected. Moreover, it was found useless to send out letters of inquiry during the vacation. But such as were received were tabulated and constitute exhibit D. These and the talks with the men above spoken of warrant us in assigning as other causes of the stationary condition of interest in the college: (1) a distrust of the technical features of farming, how to make a business success of farming - such is the almost uniform opinion expressed in farmers' clubs. (R. C. B.) Farmers feel that you are soaring above them. (O. R.) An indefinite amount of testimony of this kind might be added. (2) An alleged tendency of education at the college to divert young men from the farm. This opinion has been expressed again and again, and has appeared so often in the newspapers that quotation is not needed. The opinion operates injuriously whether the fact exists or not, but we

have examined into the conditions at the college and find the fact to be as given in table 8 and 9. It will be seen that 24% of our living graduates are actually farmers, and 53% are either farmers or teachers of farming. But this with the fact that only 11% of our students on entering desire to be farmers and we have important data for determining the tendency of education at our college. We conclude therefore that, whatever may be said the influence of the agricultural college is toward the farm, since it more than doubles during the four years the number actually inclined toward agriculture at entrance. (3) The depressed condition of agriculture. So much has been said the farmers already enumerated, it seems to your committee that the chief influence in restraining the farmers of the state from securing for their children the benefits of our college has been the present depressed condition of agriculture. Whenever the question has been put to the farmer, "Why do you not send your son to the college?" no matter what other reason is given some part of the answer is well nigh universal. "Times are too hard." When shown, it is decided to send a son to college your committee that the choice of the college is influenced by a lack of faith on the part of the farmer in his own business. The very existence of this comparative poverty among the farmers after years of hard work perhaps has turned the potential hope from the farm to the city. Your committee has everywhere been met with the remark, "I do not want my son to live on the farm and work as hard as I have done and for such poor pay." I want him to be a professional man or merchant and get his money by his wits. That this idea is wide spread is evidenced by the fact that whereas in 1880 the rural population (1,096,533) was almost exactly double the city population, in 1894 the population of the cities is within 50,000 of equalling that of the rural districts. It is in the face of this kind of economic revolution that the agricultural college has attempted to hold its own in the last fourteen years, and the importance of this fact in the history of the state in its relation to the college cannot well be exaggerated. The ideals held up before the country boy in books he reads and the pictures of imagination all point to the city as the forum where he can make for himself a name and the field where he can reap the richest harvest. He chooses some profession or occupation other than farming. It is not to be wondered at, therefore, that this same desire for an education as a preparation for a professional life creeps into our own student body, and it is only by enthusiastic persistence in good scientific agricultural work that we may hope to stem the tide. At this point it is well again to recall the fact that while but 11% of the men who come to this college desire or expect to be farmers when they graduate or afterwards, the percentage of those connected immediately with the farm life is three times as great. (5) The College at one side of the educational currents of the state. District school, high school, university, or Normal school; such is the regular succession of events in the average college student's life. High schools are named by University alumni and they loyally direct to the University. District schools, again, are controlled by Normal graduates and they use their influence for the Normal. Thus the College is left without definite feeders. Moreover, as the district schools are at present constituted, there exists a clearly defined gap between our freshman class and the graduate of the district school. The cases are very few where a man has come directly, without education, from the district school to the freshman class of the Agricultural College. In fact of all the men examined at entrance, only 24% enter with no college credit. Many either come here and make up back work, or spend a year or more at the high school of some neighboring town. Once in the high school they are generally lost to the Agricultural College. There is absolutely nothing in these schools to suggest agriculture, and the influence of the teachers is effective for other colleges. (4) Ignorance of the work done at the College. It is a notorious fact that in all parts of the state farmers are grossly ignorant of the work done at the College and even of its objects. And outside intelligent farmers, not in back districts but in communities near our larger cities, have displayed to members of the committee distinct ignorance of any and all matters connected with the Agricultural College. Ignorance of the sources of its revenue, belief that single counties have contributed as high as 10,000, 20,000 or even 30,000 dollars a year to support the College. Are shown in more than one instance; ignorance of the emphasis laid on departments of practical work; ignorance of the fact that we are more than a high school in our scientific appliances and scientific work - all these examples of ignorance and others as equally surprising have been revealed during the visit. This winter, and the most surprising fact of all is the ubiquity of this ignorance. The reason for this ignorance lies in our omission to advertise largely. Our expense account for 1895 shows an expenditure for advertising including the catalogue publication, of \$590. This year the University will expend money to advertise a six weeks summer school course not to exceed \$500. These are days when the seller seeks the buyer, and there is no other way way of disposing of our educational goods. (6) Antagonism of press, Another heavily indicated cause for stationary attendance on the agricultural course at the college has been the antagonism of some of the influential papers of the state. Much of this antagonism is due to the previously noted ignorance of what the college is and what it is doing. The cases where our editor has visited the college and become acquainted with the spirit here, and afterwards attacked the institution are rare indeed. So far as these hostile attacks are expressions of opinions merely, those papers are clearly within their rights; but the college should demand that facts shall be truthfully presented and that misstatements be corrected. (7) Too much cash required at entrance. The necessary burden of expense should be distributed as evenly as possible along during the year. Inevitably, it will heap itself up more or less at the beginning of the course; but every effort should be made to keep the advanced payment just as low as possible, and entrance from the financial standpoint, at least, as easy as may be. Instead, expenses have accumulated at the beginning of

the course until including traveling expenses, a man must have a cash capital on starting for the college of from \$75.00 to \$100.00. The lowest actual demand at the college itself is \$55.00 (see page 34 of last catalogue) This effectively excludes a large class of men. In strong contrast with our own policy in this matter stands the college in the state of At Albion, for instance. The advanced payment is \$12.00 - \$5.00 are matriculation fee and an incidental fee per term of \$7.00. Board is paid from week to week at the rate of from \$1.25 to \$2.50. Dormitory room rent, paid weekly, is from 50 to 75 cents per week. at our college room rent is from 25 to 50 cents per week, and must be paid for the whole term at once. For board a deposit of \$20.00 in a lump is required. This may seem a small matter, but it means much to many a man whose resources, small perhaps in the aggregate, come at short intervals. In this connection too, it may be stated that the college has outgrown the necessity for a \$5.00 matriculation fee or for so serious a tax in the matter of room rent. The large increase in the revenues of the college during the last few years ought to make a more pronounced difference in expenses for the student as contrasted with those of other colleges. While our revenues have been growing, the expense to the student has remained the same. Our boarding arrangements are open to like objection. They fail to give board at as low rate as private enterprises give in Elm Arbor, Oxsford, and Albion. While provisions of all kinds have been steadily falling in price for the last few years, our board rates have remained stationary or have slightly advanced. It is but fair to note that in this matter the clubs are already reforming themselves. Board in one of the clubs is now rated at \$2.00 per week. [April 6, 1896] With all our advantages student life here should be much cheaper than it is. In view of the facts given above our committee make the following recommendations: I That a clear and authoritative definition of the character of our agricultural and mechanical courses be given, and that an continuous campaign of advertising and education among the people be begun and kept up. We offer the following as such definition: The Michigan Agricultural College is a school for technical and professional training in farming and engineering. Its aim is to develop all its pupils into broad-minded, good citizens and ideal farmers or mechanical engineers. Its methods are, scientific applied to all duties and labors, united action of brain and hand and eye until skill is attained, development of character through the blessed companionship of wise thoughts and right feelings. The aim of the college and its courses, as thus defined, is clear cut; and a strenuous effort should be put forth to bring them to the attention of every farmer, and indeed every resident of the state. We take pleasure in recognizing the success of the weekly college paper organized at the instance of this committee, and would its continued support as a step in the right direction in carrying out this campaign. II That the earlier years of the course be made more technical. To make the agricultural course more emphatically agricultural, the sciences on which the practical operation of the farm depend should be introduced in the course at the earliest possible moment. With them such phases of actual farm and horticultural work should be taught as do not depend on the knowledge of the sciences. Stock breeding, dairying, grafting, pruning, and many field operations are cited as instances of practical work that need not be deferred to later years in the course by reason of dependence upon scientific knowledge for their clear understanding. It should not be possible for a student to attain a year at the college without acquiring some practical knowledge of direct financial value to him in application to daily life on the farm. Our committee would also recommend that an effort be made to coordinate and concentrate all the scientific and technical instruction in the study and management year by year of the farm and gardens, with direct reference to the problem of local soil, climate, and market, and the capital and equipment of the average farmer. To the student the study and comparison of this farm with the farms on which his work has been well be of inestimable value. It will be source of training for the judgment such as nothing else will give, and along lines of subordinate practical utility. III. That special winter courses be organized. In view of the financial depression, of the further fact that for this reason many farmers cannot even afford to send their sons to the college for the full course; in view of the demand for practical instruction along specific lines, and of the acknowledged fact that under present conditions farmers sons can best leave the farm in the winter, and indeed, cannot at all be drawn away in the summer, we recommend that the college offer in special winter courses of six weeks each. It should be the aim of each of these courses to train the young men who take it along the one line which is dominant in the course. Provision is thus made for a class of young farmers who perhaps already have a farm and a home, and who desire to perfect themselves in a special line of farming, for which themselves and their farms are best adapted. The courses are to give the student manual drill, not to develop his mind further than is the natural result of the amount of steady and consecutive thought which he is obliged to give to the studies in his special course. However during the institute these special courses have been mentioned and discussed they have received hearty approval. Give us these courses and we will overrun you with students. The proposal has offered new hope. The college cannot, of course, change economic conditions, but it may open to despondent men new and more promising lines of work. It may give the aid of science to further better labor and expense in production. The gate of opportunity through these special courses is well open. The cry from Macedonia is clear and ringing. The remarkable success of our own dairy school and of the special course in other colleges warrants us in expecting a very hearty response of the farmers to these special courses when offered. IV That the long vacation occur in the summer. Our investigation leads us to believe that the same reason which makes it imperative that the special courses should be offered in the winter time applies with equal force to the young men who would take the full college course. We have found several instances where young men would come to the college were the vacation in the summer instead of the winter. The necessities of the work on their own farms compel them to stay at home during the summer season.

They cannot then be spared. Again, the present arrangement of time compels our student to earn their money by some occupation other than farming. Most of them teach; others serve as clerks in public office or elsewhere; few of them find opportunity to do farm work in the winter. It strikes us that this is a strong argument in favor of releasing the boy from their college work during the season of the year when work is both more remunerative. The present arrangement actually sends a large share of our students into teaching, and results in getting a proportion of their remaining after graduation permanently in that profession. It is true that the time for teaching a large part of practical agriculture is during the summer season, while the crops on the farm and garden are growing. On the other hand, all matters relating to feeding and care of live stock can be better taught in the winter than the summer. The same thing applies to vegetable farming and greenhouse work. The benefits to accrue from the observation consistently made on growing crops during the summer can be secured by requiring each agricultural student to reside at the college during one summer vacation. In the mechanical course we believe it to be true that the student will have less difficulty in securing remunerative work along their special line during the summer season than during the winter. Once again, the necessity for engaging in work on the farm during the summer would preserve and heighten in a wonderful degree the sympathy for farm life and interest in farm occupations. The summer campaign on the farm would give opportunity for the immediate application of principles and practices learned during the school year, and would bring the young man back stimulated to renewed industry and bustling with questions to be answered and new problems to be solved. As it is now, his agricultural ambitions hibernate, while he drowns out his commercial arithmetic or traces the intricacies of vertical strokes and loops. The imperative demand for the special courses spoken of under a previous head cannot be mistaken. These must be necessarily be held during the winter. Their successful management without large additional expense requires their coordination with the work of regular courses. Any other arrangement would demand a double corps of instructors and repetition of much of the work during the same year, the fact that a large number of the faculty approve this recommendation. It is true that this change will work a hardship on several of our students who now earn the money to support themselves by teaching, but we firmly believe that for every such student lost there will be many others coming from the farms who could not attend were no change made. One of the reasons therefore given for holding the college year through the summer has been the necessity of having the boys here that they may be taught farm manipulations. On this point we recommend that the effort be made to induce the student to acquire the mechanical skill outside the college. While provision will always be made for training to this essential skill boys who have no opportunity to acquire it elsewhere, inducement should be held out to encourage the acquisition of these necessary features of an agricultural education away from the college. For a part of all these facts we recommend that the college vacation be transferred from the winter to the summer. The recommendation has the endorsement of the State Exchange and of a meeting of our alumni held during the State Exchange meeting. V. That an effort be made to infuse into the country schools and interest in agricultural pursuits. During the cause that need not here be discussed, the kind of education in the schools patronized almost entirely by children from farm homes, has been away from scientific and agricultural studies and toward literary and professional life. Until very recently no attempt has been made to call the attention of the pupil to the most potent features of his environment. His interest has not been awakened by anything approaching a scientific study of the botany, geology, or any other feature of his home and farm. We believe that influence ought to be brought to bear on district schools to incline them to the adoption of nature studies. The farmers boy should early become interested in observing nature's methods. This can be done only by internalizing the teacher in them. His conversation, his ambitions, his hopes, his ideal career in life becomes those of his pupils. If these lie toward a city life, toward the legal or medical profession, toward everything and anything but farm life and pursuits. If he knows more of Nature than of Cavour, more of E. Scipione than of Schlegel, his pupils will inevitably imitate his ideal, share his predilection and come to look upon the home life and work as flat and commonplace. The college has for some years advertised a summer school for teachers. If the farmers of the state would realize the paramount importance of this early influence, and by requiring agricultural training of the teachers whom they employ, would make it an object for teachers to take a carefully planned summer course at the college, much might be done by such a course to improve the condition of things in this direction. With the proper dignity of agriculture early impressed on the mind, with the attention constantly directed to surrounding phenomena of plant growth, of insect life, of soil constituency, agriculture would early take on a new meaning and interest, and the life of the farmer would become the goal of youthful ambition. VI. That a ladies course be organized. Your committee recommends that a course in domestic economy be offered for ladies and that provision be made for them at the college. Our experience in the management of students leads us to believe that the presence of ladies on the campus will be extremely helpful in elevating the moral tone of the students and increasing their regard for the amenities of polite society. This is the day of coeducation. It is no longer an experiment but a well recognized and thoroughly approved feature of modern education. However tried, with even the most ordinary care and good management, its effect on both sides have been from every point of view good. But more than this: the success of the farmer depends so much on the interest, the knowledge, and skill of his wife as on his own.

And this interest, knowledge, and skill depend in turn on training. The business of the agricultural colleges is to give that training. The dignity and responsibility of the wife's position has never been fully recognized. What the husband provides the wife utilizes. Comfort, tidiness, and thrift are her contribution to the happiness of the family; health or disease depend upon her knowledge and skill; the physical, mental and moral equipment of the child - life is her almost exclusive gift, and for so important a function, so tremendous a responsibility, she should have every help that science and training can afford. No short in this state offers such training today. It is not only the state, it is the great privilege of the agricultural college to lead in this matter. It is a magnificent opportunity for further usefulness. The people, too, are uniformly demanding it. Everywhere the proposal has awakened hearty applause. The change and our approval fully endorse it. Nowhere and from no source has a single objection been offered; but more than need has come the statement: "I don't say I and girl to go off to school together. They shall go to the agricultural college if they could go together; otherwise to some place where they will not be spoiled. Each is a guarantee for the good conduct of the other. For such a course no great expense in the way of additional teaching will ever be necessary. VII That a short preparatory course of six months be established, the last students for work of preparation, as already explained; and we are kept continually wrestling with our entrance requirements. At the opening of the year there is a pressure to let down the bars; by the end of the year we are sorry for it, both for our own sake and for that of the student that we are not more exacting. The establishment of such a course would be merely to openly confess a condition that actually exists. VIII That matriculation fee be reduced to one dollar or entirely abolished. That the experiment be tried of organizing a boarding hall under private management, with the single requirement that the board shall not be over two dollars per week, and with board in said hall entirely a matter of choice on the part of students; that a committee of the faculty shall consider and recommend some method of handling books; that all thrust, united, and persistent effort be made to discourage expensive entertainments at the college and to encourage plain, simple, and inexpensive social and individual life. IX That the dormitory system be abolished, it being that the best interests of students from the point of view of morals, of discipline, and of expense require the gradual abolition of the dormitory system, and would recommend that the college work toward that end by encouraging further street-car facilities and private enterprise in the way of board and rooms for students in close proximity to the college. X That we advertise sincerely. Our first recommendation included advertising in a general way. It is desired to revert to it specifically, and to urge a broad and liberal policy in this direction. Whether among or few of these recommendations are adopted, let us carry the school to the people, tell them where we are, what our equipment is, and what we can do for the farmer and the mechanic. We desire to acknowledge to you our obligation to all those who have so kindly aided us by fact and suggestion. To members of the faculty, to alumni, to graduates and farmers clubs, as well as to the large number of individual correspondents we owe sincere thanks. All of which is humbly respectfully submitted.

Howard Edwards
Clinton N. Smith
J. S. Hedgie
Committee

Table A - Showing total attendance at the M.A.C. and analyzing that attendance so as to show the daily students, daily students, mechanical students, special students, and agricultural students from 1875 to 1895

Year	Total attendance	Daily	Special	Mechanics	Special	Agricultural
1875	156	0	0	0	16	140
1876	164	0	4	0	13	147
1877	154	0	6	0	11	137
1878	239	0	12	0	22	205
1879	232	0	11	0	38	183
1880	221	0	7	0	7	207
1881	216	0	7	0	17	192
1882	185	0	5	0	7	173
1883	171	0	5	0	12	154
1884	173	0	8	0	13	147
1885	295	0	11	35	30	219
1886	323	0	17	57	29	220
1887	312	0	19	61	6	226
1888	340	0	18	93	21	205
1889	369	0	28	113	37	191
1890	360	0	35	127	34	164
1891	345	0	28	114	27	176
1892	355	0	25	120	42	168
1893	369	17	23	127	41	161
1894	398	30	29	117	55	167
Totals	5377	47	298	964	483	3585

* Based on two terms and missions of numbers for 1880 owing to change of college year

Appendix

Table B - showing number and percentage of student coming to the M.A.C. from farms from 1883 to 1894.

Year	number	Percent
1883	57	52.7%
1884	69	60.8%
1885	160	46.8-55.6
1886	130	49.2
1887	112	35.6
1888	116	51.7-45.5
1889	134	47.0
1890	109	35.7
1891	90	36.6-39.8
1892	122	40.1
1893	126	34.1
1894	81	45.7-39.9

Table D - Present attendance at other agricultural colleges.

Colorado 164 in long course, 300 in short course & work
Indiana 21 in long course 33 in short course
Kansas 361 in long course, 182 in first year, total 543
Maine 164 students in first course; 10% of graduates are in agriculture or in vocations akin to it.
Massachusetts 157 total attendance
Minnesota 150 in school of agriculture
Missouri 49 in college course, 12 in short course
Mississippi 178 in agricultural and mechanical

New Hampshire - 6 in four courses
 Vermont - 22 in agriculture, 29 in mechanical arts
 Ohio - 30 in agriculture.
 Vermont - 32 in agriculture.

Table G

Year	Graduates	Teachers	Per cent farming	Teachers Agriculture	Per cent farming and teachers of agriculture to total
1861	7	3	43	1	57
1862	5	2	40	2	80
1864	5	1	20	0	20
1866	2	1	50	0	50
1867	5	4	80	0	80
1868	10	3	30	2	50
1869	10	4	40	1	50
1870	12	5	42	1	50
1871	12	2	16	3	42
1872	5	1	20	0	20
1873	15	4	26	1	33
1874	21	5	24	2	33
1875	15	2	13	0	13
1876	17	9	53	1	59
1877	15	5	33	3	53
1878	30	8	27	4	40
1879	19	6	31	3	47
1880	6	2	33	0	33
1881	33	7	21	1	24
1882	28	7	25	1	29
1883	30	4	13	2	20
1884	30	8	27	1	30
1885	30	8	27	4	40
1886	27	7	26	1	30
1887	22	6	27	2	36
1888	32	4	12 1/2	8	38
1889	43	7	16	7	32 1/2
1890	32	3	9	4	22
1891	34	5	15	7	35
1892	26	8	31	3	42
1893	44	7	16	4	25
1894	22	5	23	0	23
1895	32	7	22	2	28
Total	676		Avg 28		Avg 38

Table E - Showing present occupation of all graduates of the M.A.C. from 1861 to 1895

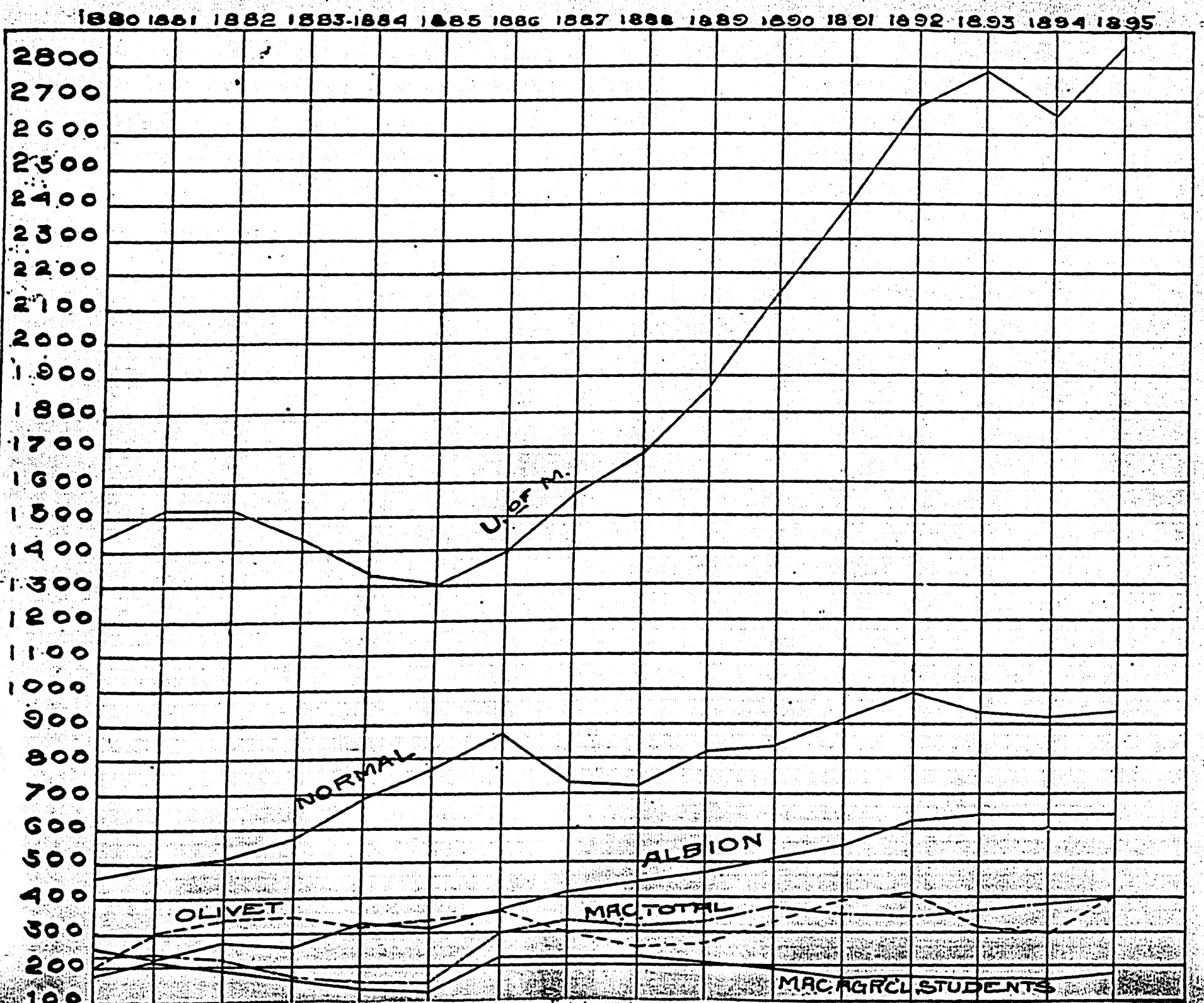
Occupation	Per cent
Farmers	24
Occupations connected with farming	10
Teachers	12
Lawyers	10
Bookkeepers	4
Engineers, Bankers, physicians, dead, etc	38

Table showing percentage of farmers and of farmers and those closely connected by occupation with farming among graduates of the M.A.C. in periods of five years from 1861 to 1895

Years	Teachers	Farmers and those connected with farming
1861 - 1865	357	53%
1865 - 1870	42	54
1870 - 1875	20	30
1875 - 1880	34	47
1880 - 1885	22	28
1885 - 1890	17	31
1890 - 1895	20	30

Table G - Showing the number of graduates by year, the number of graduates now farming, the number of graduates who are teachers connected with agriculture, the per cent of those farming to the total number of graduates, and the per cent of farmers and teachers of agriculture to the total number of graduates.

CHART C - Showing attendance at the U. of M., the Normal, Albion, and Olivet, the total attendance at the M. A. C., and the number of students in the agricultural course alone from 1880 to 1895.



Meeting of the State Board of Agriculture.

Held at the College, Tuesday evening, April 14.

Present, President Wells, Messrs. Chamberlain, Garfield, Munnor, Moore, Boyden, President Snyder, and Secretary.

Minutes read & approved.

Minutes of last meeting, at which a quorum was not present, were read, and on motion were approved and made a part of the record of the Board.

Request for increase of salary

President Snyder presented communications as follows: A request of Mr. Hestcott for increase of salary, which was referred to committee on employees. A request for increase of salary for Dr. Grange; referred to the same committee.

Request of M.S. conferred on Mr. L.B. Colburn

Also a communication from the faculty recommending the degree of Master of Science for L.B. Colburn, of the class of '88. The recommendation was adopted and the degree was conferred.

Experiment Station relative to tuberculous cattle

A communication from the Experiment Station Council was received endorsing the recommendation of Dr. Grange that the cattle that have been recently subjected to the tuberculin test and found diseased, should be kept for experimental work on the line of investigation concerning tuberculosis, methods of infection, and remedies, and was referred to the Committee on Experiment Station and Farm.

College Land

The Commissioner of the State Land Office was requested to change the terms of sale on the S.W. 1/4 of the S.W. 1/4 of Section 12, Township 22 north, range 12 West, so that on payment of 1/4 down, the purchaser may be allowed to remove down timber without full payment previous to removing the same, on condition that as fast as timber is sold the proceeds shall be paid on the purchase price of the land.

A recess was taken to 8 o'clock, A.M. Wednesday, 15th.

Wednesday, April 15, 8 A.M.

Relative to
change of
Vacation

The report of the special committee appointed by the Board which was presented at last meeting, was taken from the table. The question of change of long vacation from winter to summer was considered. It was resolved that the change be made, and that the fall term for 1896 begin Monday, September 14. the term to continue fourteen weeks; the winter term to begin Monday, January 4. and continue twelve weeks; the spring term to begin April 5 and continue twelve weeks; Commencement to occur on Friday, June 18, 1897, and that thereafter the school year begin on Monday of the third week of September, the length of terms and vacations to be as noted for the year 1896-7.

Study work
for Agricultural
Course

The President presented a scheme of study and work for the Agricultural course, which had been prepared with the advice of a committee of the faculty, as follows:

Agricultural Course. Freshman Year.

Fall.	Winter.	Spring.
Algebra. 5 hours.	Algebra 5 hours.	Geometry. 5 hours
Grammar. 5 "	Physics 5 "	Physics 5 "
English 2 "	Botany of	Elem. Chem. 5 "
Drawing 2.5 "	flowers, fruits } 5 "	English 2 "
	and grains.	
	English 2 "	
P. M.	P. M.	P. M.
Live Stock.	Soils. 4 weeks. hrs.	Soil Physics. } hrs.
1st (a) History of breeds. hrs.	2.5	Tillage } 2.5 per
half and their charac-2.5	Shopwork 3 wks. per	Drainage } day.
term teristics. per day.	day.	Farm Crops }
(b) Judging Stock.		
2d (Laboratory work with) hrs.		
half seeds, seedlings. } 2.5		
term roots, stems and } per day.		
leaves.		
Drill 3 hrs. per wk.	Drill 3 hrs. per wk.	Drill 3 hrs. per wk.
Desire sometime each week for gymnastics, especially in inclement weather.		

Sophomore Year.

Fall.	Winter.	Spring.
Geometry 5 hrs.	Organic Chemistry 5 hrs.	Fig. & Surveying 5 hrs.
Analytic Chem. 2.5 "	Anatomy 2 lectures two hours in laboratory	Physiology 3 lectures. four hrs. in laboratory.
Entomology 3 lectures. four hrs. in labora- tory per week.	per week.	
English 2 hrs.	Veterinary 5 lectures per week.	Trees and shrubs 3 hrs.
	Plant histology and physiology. 2 lessons. Six hrs. in laboratory per week.	Vegetable gardening one-half term 5 hrs.
P.M.	English 1 hr. per wk.	English 2 hrs.
Work of previous term in agriculture continued; one-half term, 2.5 hrs. daily.	P.M.	P.M.
Physics lab. 1/2 term.	Stock Feeding 1/2 term.	Labor in horticulture 4 hrs. per week.
Drill half term. 3 hrs. per wk.	Dairy " " 2.5 hrs. per day.	2.5 hrs. per day.
	Drill, 1/2 term. 3 days.	Surveying. 2.5 hrs per wk.
		Drill. 3 hours.

Junior Year.

Fall.	Winter.	Spring.
Ag. Chemistry 5 hrs.	Greenhouse, Horticulture & spraying. Elect this or the following. 5 hrs.	Agriculture } elect Horticulture } either. 5 hrs. per week.
Ornology 5 "		Civics 5 hrs.
Rhetoric 5 "	Stock feeding 5 "	
Parasitic fungi, 1 lesson, laboratory 3 hrs.	Eng. History 5 "	Forestry 1/2 term. 5 hrs.
	Literature 5 "	Systematic Botany 1/2 term. 5 hours.
P.M.	Shakespeare 1 "	Shakespeare. 1 hr. per wk.
Work in horticulture. Three in hort. per day.	P.M.	P.M.
	Three in agriculture	Three in hort. per day.
	Live Stock } 2.5 hrs.	Three in agriculture
	Dairy } per day.	Live Stock } 2.5 hrs.
	Sheep } per day.	Dairy } per day.
Drill 1/2 term 3 hrs. per wk.	Drill 3 hrs. per wk.	Sheep } per day.
		Drill 1/2 term. 3 hrs. per week.

Senior Year.		
Fall.	Winter.	Spring.
Agriculture, elective } 5 hrs. Elect one	Agriculture, Elec. } 5 hrs. Elect one	Agriculture Elec. } 5 hrs. Elect one
Horticulture " 5 "	Horticulture " 5 "	Horticulture " 5 "
Veterinary " 5 "	Veterinary " 5 "	Veterinary " 5 "
Meteorology " 5 "	Economic Tool. " 5 "	
Geology " 5 "	Eng. Masterpieces 5 "	Polit. Economy 5 "
Bacteria " 3 "	Psychology 5 "	Logic 5 "
hours hours in laboratory.		
Constitutional	Engineering meth. 5 "	Domestic Engineer. 5 "
History Elec. 5 hrs.	German or French	German or French
German or French	elective as a fourth	as in previous term.
elective as a fourth	study by students of	
study by students of	good standing. 5 hrs.	
good standing. 5 hrs.		
P. M.	P. M.	P. M.
For those electing	For those electing	For those electing
agriculture	agriculture	agriculture.
a. Live Stock } 2.5	a. Live Stock. } 2.5 hrs.	a. Bacteria in dairy } 2.5 hrs.
b. Dairy. } hrs.	b. Bacteria in dairy } per	b. Field Work. } per
c. Field work. } per	c. Field work. } day.	c. Veterinary } day.
d. Veterinary. } day.	d. Veterinary }	
For those electing	For those electing	For those electing
horticulture.	horticulture.	horticulture.
2.5 hrs.	2.5 hrs.	
per day.	per day.	

Which, after consideration, was adopted. The President and faculty are authorized to make such minor changes in the schedule as may be found necessary to properly conduct the required study and work.

Relative to a
Ladies course

It was resolved that a committee, to consist of President Snyder, Mr. Mours, and a special committee appointed by the Board, be requested to consider the question of a ladies course and arrangements therefor in connection with the funds at hand, and report to the Board at the next meeting.

Relative to
College Paper

The special committee in charge of the publication of the M. A. C. Record reported as follows: In accordance with the instructions of the Board, we have proceeded to make terms of cooperation between the faculty and the students for the publication of the Record, and hereby submit the following for your approval:

Articles of cooperation between the faculty and students for the purpose of publication of a College paper.

1. We propose that the faculty and students unite in continuing the publication of the M. A. C. Record. The head of the editorial column shall say: "Edited by the faculty, assisted by the students of the Michigan Agricultural College."

2. The publication committee shall be constituted as follows: the President of the College shall be chairman, two members of the committee shall be representatives from the faculty, and the two senior members of the editorial committee shall represent the student body. This committee shall have veto power over all matter submitted for publication.

3. The editorial committee representing the student body shall be constituted as follows: Two members from each class selected by the eight societies according to the following schedule:

Society	Spring.	Summer.	Autumn.	Winter.
Olympic	Freshman m.	Soph. a.	Junior m.	Senior a.
Columbian.	" a.	" m.	" a.	" m.
Phi Delta.	Soph. m.	Junior a.	Senior m.	Fresh. a.
Eclectic.	" a.	" m.	" a.	" m.
Delta Tau.	Junior m.	Senior a.	Fresh. m.	Soph. a.
Union Lit.	" a.	" m.	" a.	" m.
Feronian.	Senior	Fresh.	Soph.	Junior.
Hesperian.	" m.	" a.	" m.	" a.

If any society cannot elect according to the schedule, a representative at large shall be elected from said society. It shall be the duty of the President of the College to inform the societies three weeks previous to the close of each term as to the representative they shall elect.

4. We propose to fulfill the business obligations of the Speculum, including advertising contracts and subscription list, in accordance with the statement made by the Business manager of the Speculum, which is a part of these articles of cooperation.

Speculum.	Dr.	Cr.
To loan from Faculty and students	\$40.00	
" Thompson & Van Buren	210.20	
" S. J. Redfern	3.97	
By ads. up to No. 92		\$28.16
" back subscriptions up to No. 92		36.60
	\$254.17	\$164.76

The faculty shall elect a student to keep the books, charging against the Speculum advertising the cost of fulfilling the contracts already made and a reasonable commission to the student for work done; and crediting the net amount received from the contracts to the Speculum account. On the first of August or previously if requested, a full statement shall be given the Students' Organization of the condition of the Speculum account.

5. We guarantee to give at least the space of one page in each issue of the paper to matter furnished by student editors.

6. It is hereby expressly stipulated that no obligation to refrain from publishing a college paper is incurred by the students after six months from the first issue of the cooperative paper.

7. We agree that if the students desire to resume the publication of the Speculum, or any similar paper, under their exclusive management, they shall be entitled to receive one half of the advertising contracts held by the Records at that time.

H. Edwards.

Committee appointed by
the Board of Agriculture.

Signed as follows:

Bertha M. Wellman.

Clifton H. Briggs.

John W. Barnay.

Robt. L. Blute.

Sanford H. Fulton.

C. F. Hermann, J. H. Briley.

On the part of the students' literary societies

The report was accepted and amended by making the selection of the editorial managers on the part of the faculty, subject to the approval of the Board.

Clunk him of
Mac Rens.

It was resolved that \$200.⁰⁰ be appropriated for clerical work in connection with the publication of the M. A. C. Record for the current year, to be paid from the contingent fund.

Salary of
Hutchinson

It was resolved that the salary of Instructor Hutchinson be increased to \$750.⁰⁰ per annum, to begin May 1.

H Edwards extra
compensation

It was resolved that \$100.⁰⁰ be paid from current funds to Dr. Howard Edwards for extra services rendered during the vacancy of the presidency of the College.

C. J. Monroe

It was resolved that \$100.⁰⁰ be paid Mr. C. J. Monroe from current funds for services as president pro tem under the appointment of this Board, in accordance with provisions of law.

Relation to
tuberculous cattle
and farm reports
was appro-
priated for experi-
mental work.

The joint committee on Experiment Station and Farm reports, recommending that the cattle which have been condemned by the test for tuberculosis be turned over to the Experiment Station, to be isolated from the college herd and retained for experimental work under the direction of Dr. Grange, with the assistance and cooperation of the Agricultural department of the Experiment Station, and that the sum of \$210.⁰⁰ be appropriated from the Experiment Station funds for the purchase of material and equipment to begin the experimental work. The report was accepted and adopted.

Increase of Veterinary
appropriation for
the current 6 months

\$250.⁰⁰ was added to the apportionment for the Veterinary Department for the current six months to be used in the purchase of additional equipment in bacteriological work.

Institute work

It was resolved that the Chairman of the committee on farmers' institutes is hereby requested to canvass the faculty and ascertain, under the newly adopted system of college terms, what arrangement can be made for institute work by college men, and how much of their time we can depend upon for this purpose.

The Superintendent of Institutes made a report regarding the institute work of the year past, which was referred to the committee on institutes with authority to take such action on the recommendations contained therein as the committee deems best.

Electric Lt
for Library

It was resolved that the President and Secretary be authorized to arrange for such distribution of electric lights as will supply the library with light, with full authority in the matter.

Collect purpose
of college lands

It was resolved that the State Land Commissioner be requested to authorize Mr. F. E. Skeels to collect trespass of college lands.

Relation to
sanitary condition
of Howard Terrace

A communication was received from the ladies occupying Howard Terrace, relating to the sanitary condition of the Terrace and adjacent buildings. The matter was referred to the President and Secretary with power to act.

Closets

The building of closets for dormitories and halls was left with the President and Secretary.

Relation to
Electric Railway
proposition to be
made thereon

It was resolved that the President, Prof. Vedder, and the Secretary be appointed a committee to confer with the managers of the Lansing Street Railway relative to the extension of the line to a point nearer to the college buildings, and this committee is hereby authorized to make the Street Railway Company the following proposition: If the line is extended along the highway to the township line near the hospital building, the Board will erect a neat station-house; build a cement walk

The report was accepted and amended by making the selection of the editorial managers on the part of the faculty, subject to the approval of the Board.

Clerk hire of
Mac Ruer.

It was resolved that \$200.⁰⁰ be appropriated for clerical work in connection with the publication of the M. A. C. Record for the current year, to be paid from the contingent fund.

Salary of
H. H. Keitt \$750.⁰⁰

It was resolved that the salary of Instructor Keitt be increased to \$750.⁰⁰ per annum, to begin May 1.

H. Edwards extra
compensation

It was resolved that \$100.⁰⁰ be paid from current funds to Dr. Howard Edwards for extra services rendered during the vacancy of the presidency of the College.

C. J. Monroe

It was resolved that \$100.⁰⁰ be paid Mr. C. J. Monroe from current funds for services as president pro tem under the appointment of this Board, in accordance with provisions of law.

Relative to
tuberculous cattle
and \$100.⁰⁰ was appro-
priated for experi-
mental work.

The joint committee on Experiment Station and Farm reported, recommending that the cattle which have been condemned by the test for tuberculosis be turned over to the Experiment Station, to be isolated from the College herd and retained for experimental work under the direction of Dr. Grange, with the assistance and cooperation of the Agricultural department of the Experiment Station, and that the sum of \$210.⁰⁰ be appropriated from the Experiment Station funds for the purchase of material and equipment to begin the experimental work. The report was accepted and adopted.

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to connect with the present system of walks, and purchase in advance \$200.00 worth of tickets.

Improvement of
the plat of ground
known as the "flat
iron" owned

It was resolved that Prof. Tuft, under the direction of the committee on botany and horticulture, plant trees and shrubs on the plat known as "flat iron" on the north side of the College grounds, and that he be placed in charge of said lot.

Adjourned to meet at the call of the president.

Meeting of State Board of Agriculture at
Kalamazoo, Monday, June 5, at 7:30 A.M. 1896

Present, President Kille, Mr. Chamberlain,
Garfield, Moore, Mowbray, Boyden, Pres. Snyder, Secretary.

minutes approved

Minutes of last meeting read and approved.

Relation to Street
railway

President Snyder reported regarding proposition of Street Railway for extension of line, that nothing had been done in the premises.

Resignation of
Mr. E. A. Edgerton

He also reported the resignation of Mr. E. A. Edgerton, Engineer, and recommended Mr. V. V. Newell for the place.

On motion the matter was referred to the committee on employees, to report at next meeting; also the question of filling position of foreman of iron shops referred to the same committee.

College Paper

The election by the faculty of Prof. Feltner and Dr. Beal as members of the publication committee of Record was approved.

Mechanical

The authorization of purchase of a lathe for Mechanical Department was put over until next meeting.

Report of committee.
Ladies course
meeting
college

The special committee appointed at last meeting reported a course for ladies as follows:

(Instrumental Music elective throughout the whole course. Painting elective during the Junior and Senior years.)

Freshman.

First term.

(A.M.)
Algebra 5
English 5
Botany 10

(P.M.)
Cooking 5
Mechanics 2
Calisthenics.

Second term.

(A.M.)
Algebra 5
Physics 4
English 2.
Drawing 10.

(P.M.)
Cooking 5
Laboratory 2
Calisthenics.

Third term.

(A.M.)
Geometry 5
Physics 4
Elem. Chemistry 6.
English 4

(P.M.)
Cooking 5.
Chemical manipulation.
Calisthenics.

Sophomore.

First term.

(A.M.)
Geometry 5
Analytical Chemistry 10.
Anatomy 2, Lab'ty 4.
English 2

(P.M.)
Household economy 1.
Sewing (plain) 4
Drawing
Calisthenics

Second term.

(A.M.)
Physics 3 Lab. 4.
Plant Histology. 10.
Organic Chemistry. 5.
English. 1.

(P.M.)
Household economy 1.
Cutting and fitting 4.
Drawing. 2
Calisthenics

Third term.

(A.M.)
Entomology 5.
Tree and shrubs 3.
Vegetable gardening } 5.
Landscape " }
English 2.

(P.M.)
Household economy.
Floriculture
Drawing
Calisthenics.

Junior.

First term.

(A.M.)
Literature (American) 5.
Eng. History 5
German 5
Graphic Art. 2.

Second term.

(A.M.)
Horticulture 5
Rhetoric 5
German 5
Shakespeare 1
Calisthenics

Third term.

(A.M.)
History of Art. 5
Civics 5
German 5
Shakespeare 1
Calisthenics.

(P.M.)
(Elect one)
Floriculture
Pomology
Calisthenics

(P.M.)
(Elect one)
Dairy
Millinery
Pomology

(P.M.)
(Elect one)
Kitchen gardening
Poultry raising
Floriculture

First term.
(Am.)

(Elect three)
Agriculture.
Horticulture.
Meteorology
Logic, Bacteria.
Physics.
Constitutional History
German, French.

(P.M.)
(Elect one)
Floriculture
Pomology
Kitchen gardening.

Senior.

Second term.
(Am.)

(Elect three)
Agriculture.
Horticulture.
Economic Zoology
Eng. Masterpieces
Psychology
German
French.

(P.M.)
(Elect one)
Dairying
Floriculture
Pomology.

Third term.
(Am.)

(Elect three)
Agriculture.
Horticulture.
Political Economy.
Geology.
Domestic Engineering.
German.
French.

(P.M.)
(Elect one)
Floriculture.
Pomology.
Kitchen gardening.
Poultry raising.

Which was adopted.

Woodworth expense
not allowed

A bill of Prof. Woodworth for expenses to attend meeting of Electrical Engineers at New York was allowed.

Relative to
College building
delegates to
conventions

It was allowed that the committee on employees be requested to prepare a resolution which shall embody the attitude of the Board regarding the sending of delegates to the various scientific and other association meetings to which delegates shall be sent.

The question of sending delegate to meeting of official chemists and Am. Engineering Association was referred to committee on employees.

Glass jars

The purchase of glass jars for soil experiments referred to committee on Experiment Station.

Physical Laboratory

Changes in Physical Laboratory referred to committee on buildings.

Babcock Tester

The purchase of a new Babcock Tester at a cost of \$25⁰⁰ was authorized from Experiment Station funds.

The question of additional help in bacteriology was laid over to next meeting.

Desk

The purchase of a desk for Consulting Entomologist was authorized, at an expense of \$25⁰⁰.

It was resolved -

Thanks of Board tendered to various RR

Whereas, By reason of the courtesy of the leading railroads of this State in granting free transportation to the Superintendent of Farmers' Institutes, he is enabled to study thoroughly the agricultural conditions in the various counties of the State, and to personally supervise the institute work, greatly to the advantage of the same, therefore

Resolved: that we express our appreciation of the favor shown, and request the Secretary of this Board to transmit a copy of this resolution to each railroad granting said transportation.

Thanks of board to J. C. Goodrich

The thanks of the Board were tendered Mr. J. C. Goodrich of Detroit, for the donation to the College of a Chester White pig.

A recess was taken to Wednesday, June 9, at South Haven Sub-Station.

Wednesday, June 9, met at South Haven, at 10 A.M.

Same members present except Mr. Garfield.

Strong house

The matter of construction of forcing house for Horticultural Department Experiment Station, at the College was taken from the table.

Station Council
requested to make
estimates for ex-
penditures for next
fiscal year

On motion the Station Council was requested to make careful estimates of needed expenditures for Station work for the next fiscal year, in detail, and report to the Board at next meeting.

Forcing house

The question of construction of forcing house was laid over to next meeting.

South Haven
Station

The committee on botany and horticulture was requested to have prepared a lease of land at South Haven Station and present at next meeting of the Board for approval.

Heating agri-
Laboratory

A communication from the Professor of Agriculture relating to steam supply and heating for the Agricultural Laboratory, was referred to the committee on buildings, to report at next meeting.

Garfield & Secy
Committee on
apportionment

The president appointed Mr. Garfield and Secretary committee on apportionment of funds for six months, from July 1, 1896.

Adjourned to meet at the College June 30, at 7:30 P.M.

Meeting of State Board of Agriculture at College.
June 30, 1896.

Present, President Wells, Mr. Chamberlain, Garfield, Moore, Monroe, President Snyder, and Secretary.

Minutes approved

Minutes of last meeting read and approved.

Request for lease
of lot on "flat-iron"

President Snyder presented request for lease of lot on flat-iron. Referred to committee on buildings and property.

Request for
increase of salary

Also request of H. H. Mumford for increase of salary. Referred to committee on employees.

Road of work

Also request of Dr. Beal for road work by College teacher. Referred to President and Secretary with authority.

Botanical Laboratory

Also for extra furnace in Botanical Laboratory. Referred to committee on buildings.

Relation to tuberculosis cattle

A communication was received from the Director of the Experiment Station relating to proposed experiments with tuberculous cattle, and recommending appointment of a Bacteriologist. The communication laid over to 10 AM. Wednesday.

Abbott Hall

It was resolved that the President and Secretary be authorized to arrange Abbott Hall for the use of the Women's Department.

Relation to matron for Women's house

The selection of a matron and teacher for the Women's House was left with President Snyder, the salary not to exceed \$1,000. and room.

Pres Snyder to engage engineer

It was resolved that President Snyder be authorized to engage an engineer at a salary of \$600; heat and light as at present arranged, but not fire wood. Also a foreman of the machine shop in place of Mr. Newell resigned.

Apiary

It was resolved that the Director of the Station be directed to cancel the arrangement with Mr. R. L. Taylor, in charge of the Apiary, at the earliest possible moment, that a satisfactory arrangement can be made previous to Dec. 1.

Recess

A recess was taken to Wednesday at 9 o'clock AM.

Wednesday, July 1, 10 AM. Board met.

Same members present.

Relation to experiments in tuberculosis

The communication from the Director relating to experiments with tuberculosis was taken from the table. The report was accepted, ordered placed on record, and the list of experiments

outlined, were approved and adopted, as follows:

Prof. J. L. Snyder,
College.

Dear Sir:-

I submit herewith at your request a classified list of the experiments proposed on tuberculosis. I have arranged them in the order of importance as they appear to me.

1. Investigations concerning the sources of infection and means of transmission of the disease from one animal to another, or from animals to man. Under this head come:

- (a) Examination of the milk for bacilli;
- (b) " " focal matter for the same;
- (c) " " urine for the same.
- (d) " " saliva and sputa generally;
- (e) " " milk by feeding to healthy calves.

2. Investigation for the tuberculin test as diagnostic agent. This involves the somewhat frequent testing of the herd and possible slaughter of suspected animals.

3. Search for means of preventing and curing the disease. Exposure of the cows to sunlight, frequent injections with tuberculin, the use of koch oil in the feed, heating to above the thermal death point of the microbe and inoculation and subsequent treatment of guinea pigs are lines of experiments suggested and partly begun.

4. Investigation of the heredity of the disease, or at least its transmission from mother to progeny through antenatal influences.

5. Investigations of the life history, thermal death point, methods of reproduction, possible spore formation and other peculiarities of the microbe causing the disease.

To successfully carry out these experiments will involve the use of the building in which the condemned cows are now kept and in addition part at least of the regular Experiment Station barn. The number of animals required will also not be less, in my estimation, than 20,

and the cost of their maintenance will be about as given in the minutes of the meeting of the Station Council.

Respectfully,

Clinton D. Smith,

Director.

Relative to
additional help
Exp Station

It was resolved that the matter of employing an assistant in the Experiment Station in carrying out the experiments outlined by the Director be referred to the President and Director of the Station with the understanding that the work is not to be considered permanent, and that the expense for salary shall not exceed the rate of \$1,000 per annum.

Request of H. H. Mumford
not granted

The committee on employers reported without approval request of H. H. Mumford for increase of salary.

Heating

The furnace in Botanical Laboratory was put over to next meeting.

Report of Com.
on apportionment

The committee on apportionment of funds for six months from July 1 to Dec. 31 reported as follows:

Mr. President:

Your committee charged with the duty of apportioning current funds among the various college departments has gone very carefully over the needs of the departments, as well as the estimates of the income for the closing six months of this year, and report the following apportionments.

We have made a careful estimate and find that the probable receipts will be \$7200.00 for the year.

Salaries	\$18500.00
Heating, Cleaning and Lighting	5500.00
Farm	2500.00
Horticultural	1800.00
Mechanical	1600.00
English	50.00
History and Political Economy	25.00
Chemistry	600.00
Botany	500.00
Zoology	400.00
Mathematical	125.00
Physical	300.00
Veterinary	100.00
Drawing	50.00
Military	100.00
Offices	1100.00
Library, Books and Binding	500.00
Periodicals	300.00
Contingent	1500.00
Deficiency	<u>450.00</u>
Total	\$36000.00

It was found necessary to modify the allowance because of the increased salary list and the deficiencies due to carelessness of departments in overdrawing the amounts apportioned to them during the past six months. Your committee desires to emphasize once more the importance of having all bills promptly gathered and certified to, so that there shall be no accounts running on indefinitely. College bills should not be held by departments nor neglected, on account of danger of overdrawing apportioned funds. Business methods should prevail. The plan of apportioning funds was adopted for the express purpose of having a complete understanding between the various departments of the College, and the Board of Agriculture, as to how large expenditures can be made in any half year. Unless the demand is extraordinary, the apportionment should never be overdrawn nor a mortgage placed on the probable apportionment for the succeeding six months.

Incidentally the committee desires to remark that it is not at all necessary for any department near the close of any six months to make a struggle to expend the amount to its credit. The whole college is of more importance than any single department, and small balances find, in the hands of the Board, places for usefulness that are for the good of the institution.

Respectfully submitted,

Chas. W. Garfield,

J. H. Butterfield,

Committee.

The report was adopted.

Report of Com. on
Exp. Station
estimate for
January 6, 1916

The committee on Experiment Station reported, recommending that the estimates for expenditures for Station work for the next six months, as submitted by the Station Council, be approved, as follows:

Entomological Dept. General expenses		\$50.00
Botanical Division		
Base	\$25.	
Balance for weighing	25.	
Brooks and contingent	50	100.00
Veterinary.		
Keeping cows	\$208.	
Man at \$30. 6 mos.	180	
Supplies Laboratory	150	
Salary Bacteriologist	500	1038.00
Horticultural Division		
South Haven	\$1000.	
Forcing House		
Dept. at college	300	1300.00
Chemical Dept.		
Laboratory expenses	\$250	
For extra help	80	330.00
Farm Dept.		
Labor		700.00
Contingent		300.00
Apicary		250.00
Office		150.00
		\$4228.00
Pay roll as now		3740.00
		\$7968.00

Estimated receipts for the coming year \$16,500.00

Forcing house
\$650.00

Also recommended the erection of a forcing house for Horticultural Department at a cost of \$650. Adopted.

The following resolution was adopted:

Whereas, the change in the terms and the adding of new courses has considerably increased the expenses of the College, thereby compelling greater economy in its administration, therefore

Paying of expenses
to meetings & conventions
to be discontinued,

Resolved, That it is the sense of the Board that the practice of paying expenses of employees of the College to various meetings and conventions be discontinued.

Title of head of
women's dept
Prof of Domestic Economy
& Household Science

It was resolved that the title of the head of the Women's Department be "Professor of Domestic Economy and Household Science."

Equipments of rooms
in Women's dept

It was resolved that the matter of equipping rooms in Women's Department, Abbott Hall, with furniture, and the management of the same be referred to the President and Secretary, with power to act.

Relative to the
improvement of
Abbott Hall for
Women's course.

The following resolution was adopted:

In the matter of providing accommodations for the tuition in domestic economy in the Women's Department, it is the sense of this Board that an adequate kitchen should be arranged in Abbott Hall, and the most feasible plan suggested is the one of raising the roof of the rear part of the Hall and building a kitchen therein. Therefore

Resolved, That the improvements for the purpose be left in the hands of the President and Secretary, with authority to proceed economically with the construction at once, if they find the scheme a practicable one, and the expense within \$1,000. to be paid from the contingent building fund.

Lathe for Mech-
anical dept

The purchase of a lathe for the Mechanical Department was authorized.

Glass jaw

The purchase of glass jaw for soil experiments, Experiment Station, was authorized for Farm Department.

C. F. Wheeler appt
asst Prof of Botany

It was resolved that C. F. Wheeler be appointed Assistant Professor of Botany.

Repairs to
Mechanical dept.

It was resolved that the Superintendent of the Mechanical Department, in consultation with the President and Secretary, put the boilers and connections in such repair as will best conduce to their efficiency and safety, and with as much economy as possible.

Relief of the
Physical dept

It was resolved that, in view of the fact that the Physical Department seems to be burdened with work that has gradually been placed in its charge without giving adequate assistance, the President be requested to investigate the matter of soil physics recently placed in the hands of Prof. Woodworth by the Experiment Station, with reference to having this work done by Experiment Station employees, thus giving relief to Prof. Woodworth and avoiding additional expense in employing further assistance, which is impracticable under the present condition of finances.

Electric Lt.
plant

It was resolved that the President be authorized to place the care of the electric light plant, including line, in charge of such person as he may deem best, having reference to economy in labor and efficiency in lighting.

Relating to
the feasibility
of having
cottage houses
R

The following was adopted:

Whereas, the desire has been expressed at various times to purchase or lease land near the College for the erection of houses for the accommodation of students and professors, and

Whereas, it is claimed that the land cannot be obtained within a convenient distance of the

College buildings, therefore

Resolved by the Board that the President and Committee on College Property and Buildings be requested to examine the feasibility of leasing lots or parcels of the College farm for the building of houses for the accommodation of students, professors, or others connected with the College, the rules or regulations governing such leases, the erection of the building, the term, amount of rent, and such other information as will aid the Board in an intelligent consideration of the whole subject, and report at some subsequent meeting.

Next meeting
Aug 14,

It was moved that the next meeting be held Aug. 12. at 7:30 Pm.

Adjourned.

Reading and
adoption of
minutes

Minutes of an informal meeting of the Board, held at Grand Rapids Savings Bank, August 5, 1896, and by vote of the Board at a regular meeting held Sept. 8. were approved and ordered to be made a part of the minutes of the meeting of June 30, 1896.

Informal meeting of the Board held at Grand Rapids Savings Bank, Grand Rapids, Aug. 5, 1896. at 9 Am.

Present, Pres. Wells, Mr. Moore, Mours, Garfield and Secretary.

It was resolved that Kenyon L. Butterfield be appointed Field Agent of the College, to receive \$600. per annum, without house, this duty to be assumed in connection with work as Supt. of Farmers Institutes, to take effect July 1, 1896, if approved by the board.

Adjourned.

These minutes were approved Sept. 8, 1896.

K. L. Butterfield
appointed Field
Agent of the College
at salary of \$600

No meeting of the Board was held on any 12th as per adjournment of June 30, but one member being present, and a meeting was called to meet at the Morton House, Grand Rapids, Sept. 8, 1896.

Meeting of the State Board of Agriculture, held at Morton House, Grand Rapids, Sept. 8, 1896.

Present, Messrs. Chamberlain, Garfield, Monroe, Boyden, President Snyder, and Secretary.

In the absence of the President, Mr. Henry Chamberlain was elected chairman.

The minutes of the meeting of June 30 were read. Also minutes of meeting of members of the Board held Aug. 5 were read, and on motion made a part of the record of the meeting of June 30. The minutes as amended were approved.

Minutes read
and approved
as amended

Resignation of
C. J. Foreman
President Snyder presented the resignation of C. J. Foreman, Asst. Librarian, to take effect August 7. The resignation was accepted.

\$250.00
at disposal of
money for help in
Library The
coming school year

It was resolved that no assistant librarian be appointed for the present, and that the President and Secretary be authorized to expend \$250. for help in the library during the coming school year.

Request of G. H.
Stringham

The request of G. H. Stringham to be put on the pay roll was not allowed.

Relation to the
purchase of
Sheep

The President submitted the request of Professor of Agriculture for purchase of sheep, with a list of the kinds desired. The Professor of Agriculture was authorized to purchase a Shropshire ram at an expense not to exceed \$100, and the matter of purchasing other sheep was referred to the farm committee, to report at next meeting.

Communication
from Dr. Grange

The President presented a communication from Dr. Grange, relating to apparatus and material for bacteriological work, which was approved by the Director of the Station.

additional
appropriation of
\$350.00 for apparatus
to be employed in
bacteriological
experiments

It was resolved that the suggestions made by the veterinarians of the Experimental Station be referred to the Station Council, with the request that they be maturely considered, and if the Council unanimously agree upon the matter, the Board of Agriculture hereby authorize an expenditure of \$350. in addition to the appropriation of \$150. heretofore made for bacteriological work and apparatus to be employed in the investigations carried on by Mr. Marshall for the Station.

A recommendation from the Professor of Agriculture that H. H. Mumford be made Assistant Professor of Agriculture was referred to the committee on employees, to report at next meeting.

Degree of Master
of Agriculture
conferred on
E. D. A. True

The recommendation of the faculty that the Board confer the degree of Master of Agriculture on E. D. A. True of Armada was approved, and the degree was conferred.

Resignation
of Prof. Chamberlain

The resignation of Paul W. Chamberlain, Asst. Professor of Mechanical Engineering, to take effect at the close of the school year, was received, and on motion was accepted, and the Secretary was directed to communicate the same to Prof. Chamberlain, and extend to him their best wishes for his success in future work.

Instructor Westcott
& Foreman Leonard
be given additional
work, and salary be
\$800 & \$750 respect-
ively, without room

It was resolved that the vacancy be not filled for the present, but that Instructor Westcott and Foreman Leonard be given additional work under the direction of the President and Prof. Weil, and that the salary of Mr. Westcott be made \$800. per annum, and that of Mr. Leonard \$750. per annum,

100/2

The following names were presented as recommended by the Faculty for degree of Bachelor of Science- Class of 1923.

Students in Mechanical Course designated by "M" after name.

Barnum, Wirt T.,
Berry, Joseph T.,
Briggs, Clifton H.,
Briley, James H.,
Buck, Robert B. A.,
Clute, Robert L.,
Clute, William K.,
Doolittle, Renesse H.,
Finkle, Loren P.,
Hughes, Arthur P.,
Hughes, Luther J.,
Jaques, Frank H.,
Jewell, Charles A.,
Love, Lyman H.,
Matsura, Wahoy, M.
McGee, Willford J.,
Meyers, Clarence H., M.
Morse, Noel M.,
Partridge, Ernest D., M
Sees, Louis D.,
Smith, Harry E., M
Steele, Joseph Herbert, M
Tracy, J. E. Woodbridge,
Tracy, Stephen W.,
Wellman, Bertha,
West, Orson P.,
Williams, George W., M
Young, Sheldon B.,

Master of Science.

Foreman, Clarence J., B.S. '04.
Hancorne, Geo. E., B.S. '00.
Thompson, Charles B., B.S.

Master of Agriculture.

Goss, Warren H., B.S. '03.
~~True, E. D. A., B.S. '78.~~

On motion, the degree was granted to each.

Also that Warren H. Goss, B.S. '03, had presented an acceptable Thesis and the Faculty recommended the degree of Master of Agriculture. The recommendation was approved and the degree granted.

Also from the Faculty, report that Clarence J. Foreman, B.S. '04 and George E. Hancorne, B.S. '00 had completed the required work, and recommending that each be granted the degree of Master of Science.

A report from the Faculty was received, that E. D. A. True, B. S. '78, had presented an acceptable Thesis and recommending the degree of Master of Agriculture.

Report accepted and degree granted.

Also that Charles B. Thompson, B. S. of Oregon Agricultural College had passed the required study and recommending the degree of Master of Science.

The report was accepted and degree granted.

...being charged but he does not report any

Gas Machine

without rooms, to begin Sept. 15, 1896. Also that an assistant to the Professor of Mechanical Engineering be employed by the President and Prof. Weil at a salary of \$600. without rooms, to begin Sept. 15, 1896.

The President was authorized to purchase a piano for use in the Women's Department. Also a gas machine for use in the kitchen of the Women's Department.

Geo. L. Perry was appointed assistant in the green house at a salary of \$420 per annum.

Adjourned.

Meeting of the State Board of Agriculture held at Sherman House, Chicago, Tuesday Oct. 13, 1896 - 7.30 PM. Present Mr Chamberlain, Moore, Fairfield, Morris, Pres. Snyder and Secretary.

Pres. Keels being absent. Mrs Chamberlain was elected chairman. Minutes of last meeting read and approved.

President presented request of Union Literary Society for steam heat in their building.

It was resolved that in view of the extraordinary expenditures of this year the President be requested to inform the Society that it will be impossible to do this at present.

President Snyder presented bill of Gordon and Black for work done for Lieut. Brudholtz at Howard Terrace.

On motion bill was referred to the finance committee with power.

Request of Military Department for gymnastic equipment was presented.

It was resolved that the head of the Military Department be authorized to expend the balance of fund in Military Department for purchase of such equipment, and is requested to present farther estimates before Jan. 1, 1897.

It was resolved that the Director of the Experiment Station be authorized to purchase a gas machine for use in the bacteriological laboratory of the Veterinary Department at an expense of about \$200.00 and that the machine now in use be moved to Abbott Hall for use in kitchen of Women's department.

College land

It was resolved that the Commissioner of the State Land Office be requested to sell the SW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 12 Town 32 North, of range 5 East, 40 acres, for \$ 150⁰⁰ and the North E. $\frac{1}{4}$ of North. W. $\frac{1}{4}$ of Section 12 Town 32 - range 7 East for \$ 100⁰⁰.

Delegate to
Washington in
November

It was resolved that President Snyder be delegate from the College and Director Smith from the Experiment Station, to the Association of Agricultural Colleges and Experiment Stations at Washington in November.

Refusal of P.O.
annual rpt under
dept to allow, ~~direct~~
frank of director

A communication was received from the Director of the Station informing the Board that the P.O. Department refused to allow the annual report transmission in the mails under frank of the Director.

Ex. Pres. Hulse to
act as an attorney
in the matter

It was resolved that the Secretary arrange the facts in this connection and forward to Ex. President Willits, and request him to act as attorney for the Board, and endeavor to have the decision reversed.

A recess was taken to 8³⁰ AM tomorrow.

8³⁰ AM Wednesday Oct 14. 1896.

Board met, same members present.

Women's dept

\$ 5.50⁰⁰ was apportioned to Women's Department for use to January 1. 1897.

Chamberlain as
delegate

Mr Chamberlain was elected delegate to meeting of Association of Agricultural Colleges and Experiment Stations. The Committee on Farm Department asked further time to report on purchase of Shup. Granted.

Shup.
J. J. Lynn
contract

Contract with J. J. Lynn for rent of land at South Haven Station was approved and ordered signed by the President and Secretary.

Institute

A report of the Superintendent of Institutes was received and accepted.

Student Field
Agent reported
plans as follows.

The Student Field Agent reported plan of work. The report was accepted and ordered placed on record.

Report of Student Field Agent
To the Board of Agriculture

I have assumed that my duties as Student Field Agent of the College are under the direction of President Snyder, and the following report is made with his consent and approval.

Circulars were prepared advertising the Women's course, and were sent, together with a circular letter, to the Master of each Grange in the State
10,000 leaflets advertising the special winter courses have

been prepared, and a large portion of them, together with circular letters asking for their distribution and for lists of names of young men, have been sent as follows: to 250 alumni residing in the state; to the Masters of 250 granges in the state; to 40 Secretaries of farmers' clubs; to 500 Vice Presidents of County Institute Societies; to the various school commissioners of the state and a little reading notice to each of 350 County newspapers of the state. A longer and more detailed statement will be prepared, which will be sent on application. We hope to secure several thousand names from the preliminary letters and leaflets. I hope to visit several county granges during the fall, and also to make personal visits to one or two counties, soliciting students for the special courses. We have also considered the advisability of selecting some particular section of the state, for making a special effort to secure special course students, and have selected the counties of Kent, Allegan, Barry and Van Buren, as this special field.

The following plan is presented as a general outline of our proposed work for securing students, in addition to such methods as are already in vogue.

1. At institutes, have the question of the College presented at every institute in some form, and for specific work have circulars for general distribution which will take the place of the more expensive catalogues and serve the same purpose. Have printed blanks upon which can be recorded the names and addresses of prospective students, together with the parents' name and occupation, the age of the young man or woman, the grade in school if at school. Secure as many of these as possible at the institute or in any other way, and have a complete file of them kept in such a way that the school history of that particular name may be kept until the person has entered our College, or some other, or has got beyond school age. This means considerable work, but if thoroughly systematized will not be burdensome, and will, we think, be very effective. We shall expect to furnish these parties with literature from time to time in the form of catalogues, M & C Records, Personal letters &c.

- 2 We expect to get into communication with the alumni of the state and as many of the old students not graduated who are living in the state, as possible, and to make a special appeal to them to aid us in securing students for the College.

3. - We shall utilize granges and farmers clubs in distributing literature and information regarding the college, and in soliciting students, so far as possible I should like to talk occasionally in grange halls and at farmers club meetings. Presenting the work of the college, and securing the names of possible students.

4. - We believe that some work can be done through county commissioners of schools, and in a less degree through the high school superintendents, with whom we expect to get into communication.

5. - Some sort of an exhibit at state and county fairs seems desirable. It can be done without great expense. Certainly at future state fairs we ought to have headquarters in a tent or convenient building, if no more. If some representative of the College could be in attendance at each county fair, a great deal of effective advertising could be accomplished.

6. The plan has presented itself of taking some two or three counties of the state and making a special effort in those counties for several successive years, to secure students, utilizing all of the above sources of aid, and striving to determine of how much value this field work can be made. The above furnishes an outline of what we propose. Doubtless all of the methods are not fully available immediately, but I see no reason why we cannot, to some extent, work along these lines from the start. These methods can be utilized both for the regular students and for special course students.

Respectfully

Wynne L. Butterfield

Student Fund Agent M.A.C.

Adjourned.

Meeting of the State Board of Agriculture. Held at the College November 18.th 1896.

Present Pres. Wells, Messrs Chamberlain, Garfield, Morris, Monro, Pres. Snyder and Secretary

Minutes of last meeting read and approved.

President Snyder presented letter from Mr Ford of Kalamazoo regarding portrait of Ex President Willits.

President Snyder presented the resignation of J. E. Davis to take effect Dec 8. 1896. On motion resignation was accepted. The President presented a communication from Lieut. Paukoltz regarding apportionment for Military Department, also relating to

Minutes approved
Portrait of Ex Pres
Willits
Resignation of
J. E. Davis
Military

Howard Terrace
Advertising special
course

Lumace in his apartments in Howard Terrace.
It was resolved that the special course, to begin Jan'y 4. 1897,
be advertised in the "Tribune" and the "Michigan Journal"
in the discretion of the Field Agent.

It was resolved that the matter of College lands be taken up at ten
o'clock tomorrow.

A recess was taken to 8:00 A.M. Thursday

Sheep

Thursday 8:00 A.M. Board, same numbers present.

On motion the Secretary was appointed to act on Farm
committee on purchase of sheep.

Prof. Mumford as
Ag't salary 1000⁰⁰
room and

It was resolved that J. H. Mumford be made assistant
Professor of agriculture, his salary to be one thousand dollars
per year, with room as at present.

Report on college
lands by J. E. Skew

Mr. J. E. Skew, the agent of the Board in the examination
of College lands, appeared and made a report down to the
present time. The report was accepted, and ordered placed
on file.

Ex. Pres. Willits
death

On motion Mr. Garfield was requested to draft resolutions
on the death of Ex. President Willits, to present to the Board.

The Secretary and Professor, Keit were authorized to
purchase a dynamo, or exchange the small one now in
use, in their discretion.

Dynamo

A recess was taken to evening

Thursday evening Board met.

Resolutions on
the death of
Pres. Willits

Mr. Garfield presented statement relating to the death of Ex.
President Willits. Which was unanimously adopted as the
sense of the Board, ordered spread on the minutes of
this meeting, and the Secretary instructed to send an
engrossed copy to Mrs. Willits.

The sudden death of Hon. Edwin Willits, for four
years President of this College, takes away from earth a
strong and able man, whose impress upon the college
will always be recognized as of great importance in
developing broadly the purposes outlined in its law, and
in building thoroughly the foundation that promises
to be of untold value in the evolution of our State.
In his intercourse with this Board and in the relation to
the educational force and student body of the College,
his leadership was acknowledged to be wise and far-
seeing. His kindly spirit and warm sympathies touched
the heart of all with whom he was associated, and his

honesty of purpose, earnestness of manner and thoroughly Christian life awakened in all who knew him admiration, respect and affection. It will be a source of pride and satisfaction to the Agricultural College of Michigan to keep fresh the memory of the years of the life of Edwin Willits expended in behalf of the institution as its honored President.

Valve tester

The purchase of a valve tester was authorized for the Mechanical Department.

Change in basement of Agr. Laboratory authorized

It was resolved that the President and Secretary be authorized to make changes in the basement of the Horticultural Laboratory for use of dairy, and put boiler in basement for heating and steam, in their discretion.

State Dairy association

A communication from the President of the State Dairy Association relating to co-operative institute work was received and declined.

Monroe County Institute

Request of Monroe County Institute for "25" in lieu of workers at institute was declined.

It was resolved that when the Term adjourns, it be to December 22, 1896 at the College.
Adjourned.

Meeting of State Board of Agriculture held at College December 22, 1896.

Board met at 7:30 AM

Present: Messrs. Moor, Garfield, Morris. Pres Snyder and Secretary.

Minutes approved

Minutes of last meeting read and approved.

President Snyder reported on work of the term.

H. P. Parrows

Also recommending that Prof. H. P. Parrows be Consulting Entomologist of the Experiment Station.

R. N. Pettit, inst

It was resolved that Prof. R. N. Pettit be appointed Instructor

Geology & asst

of geology and assistant entomologist of the Experiment Station at a salary of \$1000 per annum, and house formerly occupied by Mr Davis to begin January 1, 1897.

Entomologist, 1000

Salary of asst chemist

President Snyder presented a communication from W. K. Hedges and Dexter Smith relating to salary of Assistant Chemist, Exp Station. Referred to committee on employees. To report tomorrow.

Expenditures of Ex Station for next 6 m

A communication from Director of Experiment Station relating to expenditures of Experiment Station for next six months was received and referred to committee on apportionment. President presented communication from Professor of

Mechanical Dept

Mechanical Engineering relating to apportionment for his department; also relating to mechanics institutes. The first was referred to Committee on apportionment.

The matter of charges for appraisal and advertising forfeited college lands was referred to Mr Garfield and the Secretary. The Secretary was requested to prepare resolutions regarding the feeling of the board on the death of Col. W. S. M. C. Cury, a member of the board.

A recess was taken to Wednesday morning 9. a.m.

Wednesday Dec 23. 1896

Board met at 9. AM Same members present.

Degree MS

Entered on

Chas. S. Thompson

The recommendation of faculty to grant the degree of Master of Science to Chas. S. Thompson, of Corvallis, Oregon, was received, and the degree granted, Diploma to be issued on payment of fee.

Use of rooms in

McClure hall by

Delta Tau Delta

withdrawn

On recommendation of the faculty, the use of rooms in McClure hall by Delta Tau Delta Fraternity was withdrawn; and the President and Secretary authorized to have the rooms vacated.

Anna Anna

The committee on buildings recommended no change in Howard Terrace rooms, which was adopted.

The committee on apportionment reported as follows.
Mr President

Report of

Committee on

apportionment

Your committee charged with the duty of apportioning the funds to the various departments of the college for the six months closing June 30, 1897, beg leave to submit the following report. The estimated current college receipts from all sources for the half year aggregate \$37800.00 which we recommend be apportioned as follows

Salaries	18900.00
Heating, cleaning and lighting.	6000.00
Farm including deficiency for last 6 mos	2900.00
Horticultural	1800.00
Mechanical	1200.00
Mechanical for experimental room, special	400.00
English, the balance remaining of last 6 mos.	
History and Political economy	25.00
Chemistry	600.00
Botany	500.00
Zoology	400.00
Mathematical	1500

Forward

\$ 37800.00

Am't brought forward	32800.00
Mathematical for new instruments	200.00
Physical	300.00
Veterinary	100.00
Drawing	200.00
Military	100.00
Military, for athletic apparatus	200.00
Library	500.00
Warren's Department	200.00
Officers	1200.00
Contingents	2000.00
Total	<u>37800.00</u>

Also that balance remaining for last 6 months
to credit of Mechanical Department be allowed for use
in experimental room

Should the balance for Mathematical Department be added to amount for new instruments

Also for Experiment Station as follows

Farm Department. Labor \$ 700.00

Surv. fund & Contingent 500.00 1200.00

Horticultural Department

South Haven 1000.00

Mr. Fowler

600.00

1600.00

Veterinary Department

Keeping 70 cows 26 weeks & 10

20800

One manufactured house 6 mos.

180.00

For Laboratory

150.00

538.00

Chemical Department

500.00

Botanical

7500

Entomological.

50.00

Salaries

3800.00

Total.

7763.00

We suggest that the heads of the departments keep a close watch upon their balances and so manage the expenditures of their funds as to be equipped for any special emergency that may arise. That is, handle their money in the same thrifty manner that a business man would guide his operations with a definite limitation of means.

The report was adopted.

Relating to the death of Col Wm P M Crum

The report was adopted.

The Secretary presented the following relating to the death of Col W. P. M. Crum, who was a member of the Board from 1883 to 1890: which was ordered placed on the record of the minutes of the Board and a copy sent to family of the deceased.

The members of this board have heard with sorrow of the death of Col William S. McCreary of Illust. and hereby record a word of tribute to his memory. During his busy life Col. McCreary held many positions of honor and trust. He took part in the war of the rebellion where he won distinction. Was Treasurer of the State: U. S. Consul to Valparaiso, Chili: and a member of this Board for eight years. In each position he was distinguished for patriotism and fidelity to the interests entrusted to his care. His connection with this board was marked by earnest work for the Agricultural College, winning to a marked degree the confidence and respect of his associates. Those who were his co-laborers remember him as a true friend and wise counsellor.

Legislative
estimate wanted

It was resolved to submit to the Legislature estimates for appropriations for the Agricultural College as follows

Repairs of Buildings, Steam and Water Works and Cuts for two years	\$ 12000.00
Students labor	5000.00
For Electric Light plant	5000.00
Total	\$ 22000.00

Adjourned to meet at the call of the President of the Board.

Meeting of State Board of Agriculture held at College
Thursday, February 25th 1897.

Present: Mr Wells, Garfield, Moor, Monroe, Bird, Marston
President Snyder and Secretary.

On motion of Mr Garfield, Mr Franklin Wells was elected President for the ensuing two years.

On motion J. H. Butterfield was elected Secretary

On motion Mr P. F. Davis was elected Treasurer of the Board, with the understanding that 3% shall be allowed on daily balances of College funds in Bank.

On motion E. J. Monroe was elected Vice President.

Minutes of the last meeting were read and approved.

President Snyder presented a report from the Director of Experiment Station, which was received and ordered placed on file.

President Snyder presented report of Prof of Agriculture on special short courses. This was received and ordered placed on file.

Franklin Wells elected
President.

J. H. Butterfield

elected Secy

P. F. Davis elected

Treasurer.

E. J. Monroe Vice Pres

Minutes approved.

Prof Agt

on special short
courses