

# The M. A. C. Record.

VOL. 3.

LANSING, MICHIGAN, TUESDAY, NOVEMBER 9, 1897.

No. 9.

## American Association of Farmers' Institute Managers.

This association held its annual meeting October 27-28 at Columbus, Ohio. The active members are limited as to number, and hence the attendance of such is always small. There were present the following institute managers: Prof. John Hamilton, of Pennsylvania; Prof. W. C. Latta, of Indiana; Sec'y W. W. Miller, of Ohio; Prof. F. W. Taylor, of Nebraska; Supt. O. C. Gregg, of Minnesota; Sec'y Franklin Dye, of New Jersey; M'g'r W. C. Amoss, of Maryland, and Supt. K. L. Butterfield, of Michigan. Dr. Parker, of North Carolina, was also present, and was received to active membership. Director Dawley, of New York, and Supt. McKerrow, of Wisconsin, were unable to be present.

The time of the meeting was taken up in discussing various features of institute work. One evening was spent in hearing reports from the various states. The last afternoon was given up wholly to a question box on institute topics, the question box being conducted by Prof. John Hamilton. A portion of one forenoon was spent in visiting the Ohio State University, especially inspecting the new agricultural building, Townsend Hall. This building will, when completed, cost nearly \$100,000, and is probably the finest building on the continent devoted wholly to agriculture. It will be complete in every detail, and Prof. Hunt and the farmers of Ohio can take just pride in this grand equipment.

A committee was appointed to consult with the Department of Agriculture relative to securing the co-operation of the department toward forwarding institute work in the United States.

Officers for the ensuing year are, Prof. Hamilton, of Pennsylvania, president; Prof. Latta, of Indiana, vice-president; and Prof. Taylor, of Nebraska, secretary.

It was voted to hold the next meeting at Omaha, Nebraska, and the sentiment was expressed that it should be held at the same time as the meeting of the American Association of Agricultural Colleges and Experiment Stations, provided that body meets at Omaha. This will probably bring the meeting in July, at the time of the Exposition.

## The Grade Dairy Herd.

At a meeting of the State Board during the summer \$1,200 was appropriated for the purchase of a grade dairy herd. The primary object in making this investment was to afford an avenue for the sale of the surplus forage and grain crops of the farm. Incidentally a complete and accurate account of the cost and revenue from the herd is to be kept so that at the end of the year it can be known whether such a herd, kept as this one will be, will be a source of revenue to the farm. For this reason, while a record will be kept of the yield of each cow, no experiments will be performed with the herd, but the

venture will be managed just as a dairy farmer would manage his herd to secure a profit from it.

In collecting the herd no attempt was made to get together a lot of extraordinary cows. It was desirable at the outset to have just such cows as could be picked up by a farmer who was about to begin the dairy business. On account of the scarcity and high price of butter it was found that cows were relatively high in price. Since the College already owns herds of Holsteins and Jerseys the new herd was to be largely of grade Shorthorns.

Eleven cows were purchased near Delhi Mills, in Washtenaw county, because of the improvement of the stock in that section brought about by the introduction of thoroughbred bulls by the Hon. W. E. Boyden, a former member of the State Board. Another lot of cows were purchased near Bay City, while the remainder were picked up here at the College.

Twenty-nine cows have been purchased so far at an average cost, delivered at the College and including all expenses, of \$39.11. Of this number 18 were giving milk November 1.

The tuberculin test has been applied and not a single cow has reacted, which is a significant fact, indicating as it does that tuberculosis may not be as widely disseminated among the herds of the State as some pessimists would try to make us believe. Eight of the cows were dehorned before coming to the College; the remaining twenty-one were dehorned November 1.

For the most part the cows are good sized specimens of the grade Shorthorns which constitute a majority of the dairy cows of the State. Naturally such cows as were desired were hard to find, and such cows had to be purchased as were available. It will be interesting, therefore, to watch the records of the herd, which will be published from month to month.

## Board Minutes.

Proceedings at meeting of Board held November 2 and 3:

All members present except President Wells and Mr. Marston.

President Snyder reported that Mr. Adderhold, of Wisconsin, had been engaged as instructor in cheese-making for the short course.

On recommendation of the faculty the degree of B. S. was conferred on F. W. Lewis, of Evart, who was with the class of '95.

A request for heater or furnace in Station Terrace was left with the President and Secretary.

Dr. Beal was authorized to purchase microscopes for his department to the extent of fifty dollars.

The title of committee on Military was changed to committee on Military and Athletics.

President Snyder was granted authority to make some expenditures for athletic purposes.

A request presented from the Y. M. C. A., of Detroit, for mechanical institute at Detroit during the winter was referred to committee on institutes and Superintendent.

A request from the State Dairy-men's Association for help at the annual meeting of the association was referred to the same committee and Superintendent.

The Commissioner of the State Land Office was requested to withhold from sale all College lands forfeited for non-payment of interest or other causes until such lands had been examined and re-appraised. The commissioner was also requested to sell for cash only such lands as are valuable mainly for timber.

The farm department was authorized to purchase two hundred lambs or sheep for feeding purposes.

Mrs. H. G. Bacon was elected matron of the ladies' dormitory, to be placed in full charge of Abbot Hall.

All details of the administration of the work in connection with the San Jose scale act, excepting the issuance of licenses, were placed in the hands of the Inspector of Orchards and Nurseries.

The secretary and superintendent of the mechanical department were instructed to put in the system of steam heating at the Veterinary Laboratory immediately.

The finance committee reported examination of the Secretary's accounts October 1, and found them correct.

The chairman of the farm committee was authorized to visit such agricultural colleges as he may deem necessary in the contemplated re-organization of the work of the department.

The superintendent of the farm was authorized to put in piping for cheese vats in basement of agricultural laboratory.

## Alma Went Down Again.

The small crowd who saw Saturday's game with Alma were convinced inside of three minutes that it was M. A. C.'s game, for in that length of time M. A. C. had kicked off from center, captured the ball on downs, and shoved Brainerd over the south goal line for a touch-down. In a minute more Tate had kicked goal, and the score was 6 to 0.

It took less than six minutes more to repeat the operation. Alma kicked off and the fun began. Tate, Brainerd, Woodworth, Baker and Williams made long gains; the ball was fumbled but Brainerd recovered it for a gain of three yards; then Williams was pushed over for a touch-down. Tate failed on an easy kick for goal. Score 10 to 0.

After the next kick-off Alma captured the ball on a fumble, but was held for downs with scarcely any gain. Tate skirted left end for 25 yards and Baker made a similar gain around right end. M. A. C. lost the ball on downs on Alma's 25 yard line, but recovered it again without loss. Then Baker made another sensational gain of 20 yards and Tate went through left tackle for 5 yards and a touch-down. He kicked goal and brought the score up to 16 to 0.

Again M. A. C. fumbled the kick-off and again held Alma easily for downs. The ball was slowly brought back to center,

where some really close playing occurred. The ball changed hands several times on downs and a fumble and then M. A. C. got away; Baker again brought forth the cheers of the crowd by carrying the ball 20 yards around right end; and Woodworth went over for a touch-down. Tate kicked a difficult goal. Score for first half 22 to 0.

M. A. C. started in on the second half rather listlessly and did not wake up until Alma had scored. M. A. C. began by booting the kick-off; Alma got the ball and carried it to M. A. C.'s 10 yard line before being stopped. Then with the energy born of desperation they carried it slowly toward the goal. Two yards squarely in front of the goal posts Magaw took the ball and carried it over but failed to kick goal. Score 22 to 4.

M. A. C. kicked off and Alma brought the ball slowly back to her 45 yard line where she was held for downs. Becker made 15 yards through right tackle. "Deacon" Parks was given the ball and he tore off 25 yards. Brainerd smashed through center for the remaining 5 yards and a touch-down. Tate kicked goal. Score 28 to 4.

In the next bout Woodworth, Becker and Parks carried the ball nearly the length of the field. On Alma's 35 yard line the "Deacon" was given the ball and, tearing his way through Alma's backs, he went down the field like a whirl-wind for his first touch-down. Tate failed in an attempt to kick for position. Score 32 to 4.

After this M. A. C. scored one more touch-down and goal, making the final score 38 to 4. Throughout, our boys put up remarkably fine defensive work, tearing up Alma's interference almost at will and frequently carrying them back for considerable loss. M. A. C.'s offensive work also showed great improvement. Brainerd hammered the line with terrific force; Becker, Woodworth, Williams and Baker were steady and sure ground gainers; and the work of "Deacon" Parks, a comparatively new man at left tackle, bordered on the sensational. Fumbling is a great source of weakness, and it is one that will count heavily when our boys meet such teams as Ypsilanti and Kalamazoo. The game was remarkably clean and friendly, and no accidents resulted. Tubbs, Magaw and Eastman did the best work for Alma.

Touch-downs for M. A. C., Brainerd 2, Tate 2, Williams, Woodworth, Parks; for Alma, Magaw. Goals, Tate 5. Time of game, two 25-minute halves.

The librarian is now sending out catalog exchanges to the various colleges in the country.

The residence of the florist at the Greenhouse is being enlarged by the addition of another story to the wing.

Mamma—"My darling, have you been a good girl this summer?"

Daughter—"Yes, indeed, dear; I've been a best girl."



# THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE  
MICHIGAN AGRICULTURAL COLLEGE.

EDITED BY THE FACULTY,  
ASSISTED BY THE STUDENTS.

SUBSCRIPTIONS SHOULD BE SENT TO THE SEC-  
RETARY, AGRICULTURAL COLLEGE, MICH.

SUBSCRIPTION, - - 50 CENTS PER YEAR

Send money by P. O. Money Order, Draft, or  
Registered Letter. Do not send stamps.

Business Office with LAWRENCE & VAN BUREN  
Printing Co., 122 Ottawa Street  
East, Lansing, Mich.

Entered as second-class matter at Lansing, Mich.

For various reasons THE M. A. C. RECORD is  
occasionally sent to those who have not sub-  
scribed for the paper. Such persons need have  
no hesitation about taking the paper from the  
postoffice, for no charge will be made for it.  
The only way, however, to secure THE RECORD  
regularly is to subscribe.

## Official Directory.

PREACHING SERVICE—Sunday afternoons  
at 2:30 in the Chapel.

Y. M. C. A.—Regular meetings Sunday evenings  
at 7:30 and Thursday evenings at 6:30. C. W.  
Loomis, President. E. M. Hunt, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on  
the campus, Tuesday evenings at 8:00, in Abbot  
Hall. Sunday meetings with the Y. M. C. A.  
Miss Clara J. Stocoun, President. Miss Ella  
Phelps, Cor. Secretary.

KING'S DAUGHTERS—Meet alternate Wed-  
nesdays. Mrs. J. L. Snyder, President. Mrs. W.  
Babcock, Secretary.

NATURAL HISTORY SOCIETY—Meets  
second Friday of each month in the Chapel at 7:00  
P. M. T. L. Hankinson, President. O. W. Slayton,  
Secretary.

BOTANICAL CLUB—Meets Monday evenings  
at 6:30 in the Botanical Laboratory. B. Barlow,  
President. Miss Marie Belliss, Secretary.

SHAKESPEARE CLUB—Meets Wednesday  
evenings at 7:30. Dr. Howard Edwards, Presi-  
dent.

COLUMBIAN LITERARY SOCIETY—  
Meetings every Saturday evening at 7:00. Fourth  
floor, Williams Hall. R. E. Morrow, President.  
F. E. West, Secretary.

ECLECTIC SOCIETY—Meetings every Satur-  
day evening at 7:00, Fourth Floor, Williams Hall.  
W. J. Merkel, President. Elton Bailey, Secretary.

FERONIAN SOCIETY—Meetings every Fri-  
day afternoon at 1:00. West Ward, Wells Hall.  
Fay Wheeler, President. Ella Phelps, Secretary.

HESPERIAN SOCIETY—Meetings every Sat-  
urday evening at 7:00, West Ward, Wells Hall.  
J. B. McCallum, President. M. H. Hammond,  
Secretary.

OLYMPIC SOCIETY—Meetings every Satur-  
day evening at 7:00, Fourth Floor, Williams Hall.  
A. M. Patriarche, President. C. H. Chadsey, Sec-  
retary.

PHI DELTA THETA FRATERNITY—  
Meetings every Friday evening at 7:30, East Ward,  
Wells Hall. A. B. Krentel, President. H. B.  
Clark, Secretary.

UNION LITERARY SOCIETY—Meetings  
every Saturday evening at 7:00, U. L. S. Hall.  
F. V. Warren, President. Paul Thayer, Secretary.

TAU BETA PI FRATERNITY—Meetings on  
alternate Thursday evenings, Tower Room, Me-  
chanical Laboratory. F. V. Warren, President.  
C. A. Gower, Secretary.

CLUB BOARDING ASSOCIATION—I. L.  
Simmons, President. H. A. Dibble, Secretary.

M. A. C. ATHLETIC ASSOCIATION—F. V.  
Warren, President. E. W. Ranney, Secretary.

## Nursery and Orchard Inspection.

U. P. HEDRICK, STATE INSPECTOR OF  
NURSERIES AND ORCHARDS.

"An Act to prevent the introduc-  
tion and spread of San Jose scale or  
other injurious insects, or of infec-  
tious diseases of trees, vines, shrubs  
or plants grown in this state or im-  
ported from other states, provinces  
or countries," is the act under which  
the state has taken up arms, by un-  
dertaking the supervision of all  
nursery stock sold in the state,  
against the pests of our orchards.

The act has five main provisions,  
to secure the enforcement of  
which an inspector, known as  
State Inspector of Nurseries and  
Orchards, is appointed by the State  
Board of Agriculture, and penalties  
of fines and imprisonment are pro-  
vided for violations of the law. The  
five main provisions are as follows:

1st. That in case the inspector  
find no dangerously injurious in-  
sects or diseases in a nursery he is  
to give the owner of such nursery

a certificate to that effect. But if  
such pests be found, the owner of  
the nursery must be notified in a  
specified manner, to exterminate  
the pests before delivering his nur-  
sery stock. The inspector may en-  
ter affected nurseries and take  
measures necessary for the exter-  
mination of the pests, holding the  
owner liable for the costs of such  
proceeding. A violator of this  
section of the law may incur a fine  
of one dollar for every affected plant  
shipped from his nursery.

2d. Every package of trees or  
plants shipped into the state must  
be plainly labelled with the name of  
the consignor and consignee, the con-  
tents, and a certificate showing that  
the plants have been inspected by a  
state or government inspector, and  
that they are free from dangerously  
injurious insects and diseases. All  
common carriers are held respon-  
sible for the enforcement of this sec-  
tion of the law in regard to stock car-  
ried by them. A conviction of a  
violation on the part of any carrier  
may entail a fine of from twenty-  
five to one hundred dollars, or an  
imprisonment in the county jail for  
from five to thirty days.

3d. All dealers in nursery stock,  
on or before the first day of August  
in each year, must apply and pay a  
fee of five dollars for a license; they  
must also give a bond of one thou-  
sand dollars each, conditioned that  
they will comply with a clause of  
the law requiring that upon demand  
a list of customers and the trees  
sold them will be filed with the  
State Board of Agriculture. Failure  
on the part of any dealer in nursery  
stock to file such a list renders him  
liable to a fine or imprisonment.

4th. The law provides that no  
dealer in nursery stock, resident of  
another state, shall do business in  
this state without having a license,  
a bond, and a certificate of inspec-  
tion, as required of residents of this  
state.

5th. A provision incidental to the  
main import of the law is that the  
State Inspector act as referee, with  
final decision, in case owners of  
peach orchards and yellows com-  
missioners cannot agree as to trees  
supposed to have yellows. It is also  
the duty of the State Inspector to  
examine every orchard supposed to  
be affected by dangerously injurious  
insects or diseases, and authority is  
given him to enter any such or-  
chard, and if a pest be found, to ex-  
terminate it, the expense of such  
procedure to be assessed and put in  
the taxes levied upon the premises  
concerned.

The law was not put in force un-  
til late in September of this year.  
So far the Inspector has been  
chiefly occupied in inspecting nur-  
series. There are about eighty  
growers of nursery stock in Michi-  
gan, and twice that many dealers—  
agents too numerous to mention.  
Almost all nurserymen take kindly  
to the new law, many dealers favor  
it, and the fruit growers, to a man,  
give it their support.

San Jose scale, the chief of the  
pests concerned, has been found in  
twelve orchards and two nurseries  
in the state. Its existence in a  
number of uninspected orchards is  
probable. It is hoped and believed  
that in the official contest with San  
Jose scale, for us the worst of all  
insect pests, the state will be victori-  
ous—that the strong arm of the  
law will keep from our orchards a  
foe to them to which any other yet  
known is insignificant indeed.

## The New Dairy Barn.

Before the crops on the College  
farm were harvested it became evi-  
dent that there would be a large  
surplus of forage over the amount  
required to carry the stock then on  
the farm through the winter. To  
properly dispose of this surplus it  
was decided by the Board to pur-  
chase a herd of grade Shorthorn  
cows, and to house the new cows in  
a cheap but serviceable new barn.

This barn was located on the  
knoll to the southeast of the old  
pigery, now the "tuberculous  
barn."

For building this barn \$700 was  
appropriated. It was at first planned  
to put up a simple shed only, which  
should assume to be nothing more  
than a temporary shed, and which  
should have none of the equipment  
of a permanent dairy barn. Later  
this idea was so far modified as to  
so locate and construct the present  
building as to make it possible to  
include it as an integral part of a  
larger structure to be erected in the  
future to take the place of the many  
scattered barns now on the farm.  
The ridge pole of the barn runs  
north and south, in order that the  
sunlight may be admitted to every  
part of it through the windows on  
the east and west side. The barn  
is seventy feet long by forty-five  
feet wide. This width was neces-  
sary to allow for a feeding alley  
eight feet wide along the east and  
west side, and a central platform  
ten feet wide between the two rows  
of cows. While in a barn planned  
for the use of the general farmer  
the cow should face a central feed-  
ing alley, eight or ten feet wide,  
and the manure platforms should  
be next the walls, there were many  
reasons why the cows were faced  
out in this barn. The frequent  
visitors, always welcome at the  
College, want to see the cows, and  
especially the udders. A walk  
through the center of the present  
barn reveals the dairy points of  
every cow, and shows the method  
of fastening in the stalls, which is  
new to most visitors and interesting  
to all. Again, during January this  
broad platform extending length-  
wise through the center of the barn  
will be available to the students  
judging dairy cows. The abundant  
light from the windows on either  
side will make this work possible in  
the barn. Finally, when the barn  
shall be lengthened to a hundred or  
more feet, this broad aisle will af-  
ford room for a cart to be driven  
through the barn in which the  
manure from all of the cows will be  
removed at one trip.

As at present arranged the barn  
affords room for thirty-two cows,  
besides including a milk and wash  
room in the northwest corner and a  
granary in the northeast corner.  
The gutters are sixteen inches wide  
and from four to eight inches deep,  
sloping to the south. Twenty of  
the stalls are 3 feet 2 inches wide,  
and the remainder 3 feet 4 inches.  
The stall used is the "Bidwell stall."  
The cows are not tied, but are pre-  
vented from backing out by chains  
stretched across behind them. They  
cannot go forward because of a  
fence fastened to a movable manger,  
and they cannot turn around by  
reason of the narrowness of the  
stall. While the cows therefore  
have the utmost freedom, can lick  
themselves or throw their head  
about in lying down as they please,  
they seldom are soiled by their own  
droppings, since the length of the

stall is carefully adjusted to their  
size by moving the manger, to  
which the upright fence is attached,  
forward or back. A door opening  
to the right in the side of the stall  
permits the milker to enter without  
liberating the cow next on the  
right, since the chain behind that  
cow is fastened at one end to the  
door which is open, while the other  
end of the chain is attached to the  
post on the farther side of the stall.  
This style of stall has been used in  
the old cow stable at the College  
for two seasons, and there has  
scarcely been a soiled udder since  
they were introduced.

The height of the first story is  
nine feet to the bottom of the sup-  
ports of the floor above, which al-  
lows plenty of air space and good  
ventilation.

The yard will be to the south and  
east of the barn, and will be sup-  
plied with water from a trough on  
the south side of it.

## Why Veterinary Instruction in an Agricultural College.

DR. G. A. WATERMAN.

An ideal agricultural college has  
in its course of study, all those sub-  
jects, the study of which will in any  
way assist the farmer in a more  
scientific working of the farm.

While this article will speak of  
one branch of study, it does not in-  
tend to infer that other branches are  
unimportant.

To compare the value of the  
various departments, would be sim-  
ilar to comparing the members of  
the body; while at times one may  
seem most important, at another,  
some other is indispensable. The  
veterinary student in an agricultural  
college does not study that science  
because he expects thereby to be  
able to treat successfully all affec-  
tions of the lower animals any more  
than the high school student studies  
physiology with the intention of  
doctoring himself; but rather the  
student of veterinary has in mind the  
obtaining of a better understanding  
of the complex organisms with  
which he has to deal, in the forms  
of the domesticated animals.

We read "Man is fearfully and  
wonderfully made." The same  
utterance might with equal emphasis  
be applied to the lower animals.  
The old adage "an ounce of preven-  
tion is worth a pound of cure," is  
nowhere more applicable than in  
the treatment of our dumb friends.

While it is supposed to be the  
physician's duty to heal the sick, the  
the veterinarian's duty to overcome  
disease, it is more especially the  
object of veterinary science as taught  
in the agricultural college, to prevent  
disease and thus save suffering and  
expense.

Without doubt one half of the  
sickness in the lower animals is  
caused by ignorance on the part of  
the attendant; what is more pitiful  
to witness than a horse in pain?  
His every expression calls for sym-  
pathy; and while we may be willing  
to do all we can to alleviate his suf-  
fering, how much better it would  
have been to have understood and  
prevented the suffering. To illus-  
trate,—the horse comes in from a  
long drive or a hard day's work,  
either of which he has done will-  
ingly; the attendant, not appreciat-  
ing the complexity of the animal  
economy, feeds and waters him; in  
the morning the poor horse can  
hardly move, he is foundered, and  
throughout the rest of his life he is



not one moment free from the most excruciating pain.

If the farmer understood even to a limited extent, the "germ theory of disease", how much easier it would be to hold in check epizootics of contagious diseases. Until the agriculturalist does understand better than he does at present the important part that micro-organisms play in the production of disease, hog cholera, anthrax, Texas fever and tuberculosis, along with their cousins, the diseases of sheep, will continue to lay claim to millions of dollars worth of animals annually. Educate the farmer that he may appreciate the nature of contagious diseases and he will not go out of his way to visit every sick herd or flock that he may hear of and thus run the risk of conveying the disease to his own animals; but rather he will go out of his way to keep away from all sources of infection.

The instructor in agriculture may give the most exhaustive lecture upon rations, or he may write the most complete bulletin on the feeding of stock, yet the student will not fully appreciate, the farmer cannot understand, unless they know something of the structure of the mill through which that food passes in being converted into milk, or beef, or pork, or energy, that enables the horse to do his work. Another object of veterinary instruction in an agricultural college is to lead the student to appreciate more keenly the wants of our domesticated animals. Consider for a moment the condition of our country without them; imagine if you can a farm upon which there are no horses or cattle, no sheep or swine; man would be more miserable without these animals than they would be without man. If then, they minister in so great a degree to our comfort and happiness, surely their wants are worthy of our consideration. He who looks upon the animal as simply merchandise, as simply a means whereby a few more dollars may be added to his annual income, is really more of a brute than is the object which he calls by that name.

It is hard to conceive a man so unsympathetic, so inappreciative, that he, having studied the nervous and muscular systems of an animal, and noted how by their combined action, motion and sensation are produced, would willingly cause suffering by overwork, or would not, after a hard day's work, see that everything possible had been done to add to the animal's comfort; could a man thus educated be so thoughtless or cruel as to leave his faithful co-worker unblanketed and shivering in a rickety old shed, while he is sitting beside a warm fire? or allow him to lay his weary body on the hard floor of the unbedded or poorly bedded stall while he rests upon mattress and pillow? Could he, when he considers the pain caused him by the scratch of a pin, apply the lash until the ridges stand out like cords on the poor animal's body, simply because he would not do more than was in his power to do, or because he had yielded to the temptation to do some little thing that is unbecoming to a well trained horse? Could he, after considering the amount of patience exhibited by father, mother and teacher, cruelly beat or maltreat in any way a young animal which he might be training? If any of these conditions should exist it indicates that either the veterinary in-

struction has been at fault, or else the one instructed has not even animal instinct, to say nothing about the higher senses with which man is supposed to be endowed, for by proper treatment we can always win the confidence and love of our domesticated animals.

**At the College.**

The Columbian Society entertained ladies Saturday evening.

The Union Literary Society entertained ladies last Saturday night.

Professor Babcock is receiving a visit from his mother.

Messrs. G. B. Wells and Frank Burr were on the sick list a part of last week.

A member of Bristol's orchestra has been engaged to give instruction once a week to the College band.

Profs. Smith and Mumford attended the Fat Stock Show in Chicago last week.

Mrs. Pursel, of Schoolcraft, has been spending several days with her son, E. W. Pursel, '01.

W. B. Stocoum, Portland, called on his brother and sister at the College last Monday.

W. H. Munson, Corey, and Miss Nora Paul, Constantine, are visiting Lewis S. Munson at the College.

Gov. Pingree entertained Messrs. Henry Keep, W. J. Merkel and G. B. Wells at six o'clock dinner at the Hudson House Friday.

For several days F. T. Williams has been entertaining Miss Bessie Williams and Miss Luella Bowman, his sister and cousin.

The heater taken from the Agricultural Laboratory has been moved to the armory, where workmen are now setting it up in the gun room. Coils of hot water pipes will extend the length of each side of the armory and along about twenty feet of the east end. The heater will stand on a sunken concrete floor in the gun-room, from which a door to the outside has been cut on the north.

Professor Woodworth returned last Tuesday from Fargo, N. D., where he took James Welinder, with '96m, the insane Swede who has been causing us so much trouble. It was found that he was not a resident of North Dakota but of Minnesota, so he was taken to Fergus, Minn., where he was committed as an incurable and dangerous insane person.

For the remainder of the term the Feronians will hold their business meetings from 2:30 to 3 p. m. Fridays, and their literary and social meeting from 4 to 6 p. m. Fridays. Owing to lack of rooms where they can hold their meetings in the evening as other societies do, the Feronians have great difficulty in finding hours free from class work.

**VETERINARY COLLEGE.**

The Veterinary Department of the  
Detroit College of Medicine.

is now fully equipped, under the supervision of Prof. E. A. A. GRANGE, V. S., late professor of Veterinary Science at the Agricultural College. This department is prepared to furnish instruction in the science of medicine as applied to dumb animals. **Ample Hospital Accommodations** are provided for **horses, cattle, dogs** and other domestic animals. Send for catalogue to  
PROF. GRANGE,  
Principal.

Or, Dr. H. O. WALKER,  
Secretary.



These cool nights suggest heavier Night Shirts. Nothing you can buy in that line that will give the same wear and afford the comfort of a good quality flannelette. The one I offer at 50c is unquestionably the best value you ever saw and one dollar buys the heaviest quality, made in best manner possible and sixty inches in length. Anything you require in Up-to-Date Furnishings. Students' patronage solicited.

**Elgin Mifflin.**

**The House that Jack Built**

Must have been from the good old

**HIRAM RIKERD BRAND OF LUMBER.**

It Stands the Test of Ages.  
Suits all Places and Purses.



- Winter Russets, Calf Lined, - \$3.00
- Winter Russets, Calf Lined, - 4.00
- Fine Box Calf, Heavy Sole, - 3.00
- Fine Box Calf, Welt Sole, - 3.50
- Patent Leather Shoes, 4.00 to 5.50

**Simons Dry Goods Co.**  
NOVEMBER  
SPECIAL VALUES.

**KID GLOVES.**

We sell the best \$1.00 ladies' black and colored Kid Gloves in the market, with Foster Anchor Clasp.

**OUR UNDERWEAR DEP'T**

Is the largest in the city. Ladies' Union Suits 50c, 75c and \$1.00 up.

Complete line of Men's Underwear at 50c, 75c and \$1.00 each. We will save you 20 per cent.

**HOSIERY DEP'T.**

We carry a Standard Line of Ladies' Cotton and Woolen Hosiery.

Special Value at 12½c, 15c, 21c a pair.

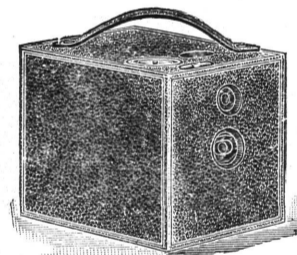
100 Fur Astrachan Fine Collar-ettes at \$4.00

Ready made Skirts and Waists, Wrappers, Mackintoshes can be found in our Cloak Department.

**THREE FLOORS.**

- 1 Dry Goods.
- 2 Cloaks, Curtains.
- 3 Carpets, Rugs and Window Shades.

**Simons Dry Goods Co.**



**Cameras**  
.....AND.....  
....Photographic Supplies.

**F. J. Williams & Co.**

Opera House Pharmacy.  
R. H. STOCOUM, College Agent.

**WINTER SHOES**

ON THE NEW

**COLLEGE LAST.**

We are now showing a full line of black and colored shoes well adapted to M. A. C. students' winter wear.

New Stock of Tennis or Gymnasium Shoes.

**G. D. Woodbury.**

103 Washington Avenue South.



### News from Graduates and Students.

A. J. Weeks, with '97, is teaching school at Fitchburg, Mich.

Miss Lu D. Baker, with '00sp, has entered the Art Institute in Chicago.

W. W. Parker, '93, rode up from Charlotte on his wheel to make M. A. C. friends a visit last Thursday.

Frank E. Rood, with '87, is married and lives at Covert, Mich. He is in the nursery business, and doing well.

Ray A. Latting, with '97sp, is practicing law at Grand Rapids. He was at the College for a short visit Wednesday.

Lansing's city attorney, C. B. Collingwood, '85, has a troublesome case in hand—a daughter, born November 2.

Alex. Moore, '89, attorney at Port Huron, and John A. Weeks, with '92, of Mt. Clemens, were visitors at M. A. C. Thursday afternoon.

C. P. Close, '95, assistant horticulturist at the Genevas, N. Y., experiment station, is spending a short vacation in Michigan. He visited at the College Thursday and Friday.

It becomes our sad duty to announce the death of Mrs. E. A. Holden, which occurred last Friday night. The Olympic Society, of which Mr. Holden was a member when in College, attended the funeral Sunday afternoon in a body.

H. A. Dibble, '97, is teaching at Detour, Chippewa Co. He and R. S. Welsh, '94, are the sole representatives of M. A. C. among the teaching fraternity of that part of the Upper Peninsula, and are doing all in their power to boom M. A. C.

R. S. Campbell, '94, commissioner of schools in St. Clair county, is hustling for the improvement of the rural schools under his supervision. Besides sending out circulars to his teachers with valuable suggestions for school management, he is vigorously pushing a scheme for establishing school libraries.

On the train between Lansing and Grand Ledge last week, U. F. Hedrick met C. R. Winegar, '92, who is traveling for the Redpath Lyceum Bureau. He informed Mr. Hedrick that H. B. Winegar, '91, and H. Arnold White, '92, are traveling for the same company.

### Colleges and Exchanges.

Kansas Agricultural College reports an increased enrollment of eighteen.

How's this for the "wild and woolly west?" "The seniors of Leland Stanford University have adopted sombreros for their class hats."

Weffers, the crack sprinter of the New York Athletic Club, lowered the world's record for the 220-yard dash to twenty-one seconds at Toronto exposition.—*Ex.*

This fall, for the first time, the doors of the University of North Carolina were thrown open to women, and four young ladies took advantage of the opportunity.—*Ex.*

Through the will of the late Eliza W. S. P. Field, of Philadelphia, the University of Pennsylvania receives upwards of \$80,000 to be used in different ways as specified in the will.—*Ex.*

### The Fall.

The life is ebbing from the tree,  
The leaves are falling round:  
No more the summer flower we see;  
'Tis now the frosted ground.

All Nature's work for this year o'er,  
She soon must blighted be.  
Her beauty bright we'll view no more  
In grass, or shrub, or tree.

And will her picture make us sad?  
Will we then mourn her fate?  
No, may our hearts be light and glad;  
We need no joy abate.

Triumphant now, she heeds the call  
That tells her labor's past.  
She yields her mighty products, all  
Magnificent and vast.

She'll sink beneath the frozen pall  
That Winter makes of earth;  
Yet is her grandest day the Fall,  
Her day of power and worth.

Nor will she then forever die,  
With Spring she will return.  
Her beauty charm the marveling eye,  
Which can but part discern.

Fall, brightest season of the year:  
She blends with beauty, force:  
Her signs fortell a winter near,  
A rest in Nature's course.

Thou canst but teach, oh solemn Fall,  
For thou art solemn still,  
Deep lessons, yet so sweet for all,  
Which all our spirits thrill.

Man's life is part of Nature's life;  
Her fruit is his to claim:  
He aids her through a time of strife;  
She gives him of the gain.

He lives his short apportioned time.  
He then like her must die;  
But wakes again, when Heaven's chime  
Calls upward to the sky.

But ere he leaves, if well performed,  
His earthly duties here,  
His soul has priceless blessings earned,  
Which fill his fall with cheer.

STUDENT.

## TEXT BOOKS

...OLD AND NEW...

Drawing Tools and Draughtsman's Supplies.

**CROTTY BROS.—CITY BOOK STORE**

206 Washington Ave. N., Lansing, Mich.

Phone 192.

New Phone 76

**J. G. REUTTER**

322 WASHINGTON AVE. S.

**Fresh and Salt Meats**

Fine Chicago Beef a Specialty.

Headquarters for All Kinds Home Made Sausage.

**Alsdorf & Son...**

**THE DRUGGISTS**

Everything First Class,

Fresh and Up to Date.

**Drawing Instruments..**

NOTE BOOKS, TABLETS,  
FINE STATIONERY AND BOOKS.

**Lansing Book & Paper Co.,**

120 Washington Avenue N.

FOR ANYTHING IN

**Hardware, Stoves, Tinware,  
Graniteware, Cutlery, Etc.**

.....TRY.....

**NORTON'S HARDWARE**

111 Washington Avenue S.

**John Herrmann**

**Fine Tailoring.**

218 WASHINGTON AVENUE N.

...ALWAYS ON TOP...  
**DAVIS—THE CLOTHIER**

**Fine Clothing  
Furnishings and Hats  
Football Pants  
Sweaters, Supporters  
The King Pant**



We are Up to Date on Men's Wear.

**ONE PRICE—THE RIGHT PRICE.**

104 Washington Avenue North.

**BOYS** — **BUCK Sells Furniture Right.**

All Goods Delivered to the College Free.

Best Woven Wire Cots, \$1.25 . . . Best Woven Wire Springs, \$1.50

**WE SELL EVERYTHING.**

**M. J. & B. M. BUCK,**

Open Evenings.

## DIRECTORY

**LANSING BUSINESS and  
PROFESSIONAL MEN**

The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

### ARCHITECTS.

**E. EARL H. MEAD.**—Architect. 115 Washington Avenue N.

### BARBERS.

**J. H. WOOD.**—Barber. 106 Michigan Avenue E. College work especially solicited.

### BOOTS AND SHOES.

**C. D. WOODBURY.**—Boots and Shoes. We shoe the students. See ad.

### CLOTHING.

**LOUIS BECK.**—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

**DEWEY A. SEELEY.**—27 Wm's Hall. Agent for Fine Clothing. Prices low. Satisfaction guaranteed.

**A. E. DAVIS.**—Clothing and Gentlemen's Furnishings. See ad.

### CROCKERY AND GLASSWARE.

**H. H. LARNED.**—China, Glass and Lamps. 105 Washington Ave. S.

**J. B. SIMON.**—Fine China, Crockery, Lamps, Tinware, etc. 111 Washington Avenue N.

### DENTISTS.

**D. R. G. W. COLEMAN.**—Dentist. 103 Washington Avenue. First stairs north of Michigan Avenue.

**R. W. MORSE, D. D. S.**  
Hollister Block, Room 517.

**D. R. V. A. LACY.**—Dentist. Hours 8 to 12 a. m. and 2 to 4 p. m. 110 Allegan St. W.

### DRUGGISTS.

**C. J. ROUSER.**—Capital Drug Store. 123 Washington Avenue South.

**DOWNEY HOUSE DRUG STORE.**—H. J. Eilenburg. Headquarters Ice Cream Soda.

### DRY GOODS.

**SIMONS DRY GOODS COMPANY.**—Dry Goods and Carpets. See ad.

### FURNISHING GOODS.

**ELGIN MIFFLIN.**—Ladies' and Gentlemen's Furnishing Goods. See ad.

### FURNITURE DEALERS.

**M. J. & B. M. BUCK.**—Furniture. Cor. Washington Avenue and Ionia Street. See adv.

**COWLES BROS.**—Furniture Dealers. Special inducements to College people. 319 Washington Avenue South.

### HARDWARE, STOVES AND TINWARE.

**JACOB STAHL & SON.**—Wholesale and Retail Hardware and House Furnishings. 211 and 213 Washington Avenue North.

### HACK AND BAGGAGE LINES.

**M. A. C. STUDENTS.**—Don't forget W. H. PORTER, the Hack and Liveryman. Rubber tires a specialty. Office 300 Capitol Avenue South, Bell Phone 65, Lansing Phone 133.

### HOTELS.

**THE NEW GRAND.**—R. M. Renner, Proprietor. Special rates to students. Washington Avenue S.

**THE INGHAM.** Grand St. South; 2 doors from Michigan Avenue. Low rates to students.

### JEWELERS.

**B. P. RICHMOND.**—Watchmaker, Jeweler and Engraver. 200-202 Washington Avenue North.

**W. RAPLEE.**—Watches, Clocks, Jewelry, etc. Fine Watch Repairing. 119 Washington Avenue.

**CHAS. A. PIELLA.**—Practical Watchmaker and Jeweler. Repairing of Fine Watches a Specialty. 121 Washington Avenue N.

### LAUNDRIES.

**THE VAN GORDER PALACE LAUNDRY.** S. P. Lanz, Prop'r. Sage & Westcott, Agts. Room 11, Williams Hall.

**STAR LAUNDRY.** 208 Michigan Avenue East.

### LUMBER DEALERS.

**H. W. RIKERD.**—Lumber Dealer. Mill Street. See ad.

### MERCHANT TAILORS.

**WOODBURY & SAVAGE.**—Tailors. Student trade solicited. 208 Washington Ave. S.

### MUSIC AND MUSICAL INSTRUMENTS.

**HOLMES MUSIC STORE.**—Pianos, Organs, Bicycles, Musical Mdse. and Sheet Music. Cor. Washington Avenue and Ottawa Street.

### PHOTOGRAPHERS.

**F. B. LECLEAR.**—Photographer. Hollister Block.

### PHYSICIANS.

**A. D. HAGADORN, M. D.**—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

**C. M. WATSON, M. D.**—Hours, 2 to 4 and 7 to 8 P. M.; Sundays 12 to 2 P. M. 419 Washington Avenue S. Both Phones.

### OCULIST.

**C. M. DICKSON, M. D.**—Practice limited to diseases of eye and ear. Hours 9 to 12 A. M., 2 to 4 P. M.; Sunday 2 to 4 P. M. First floor Hollister Block.

### RESTAURANTS.

**GILBERT M. HASTY.**—Proprietor Hasty's Gen Lunch. Best meals and Lunches in the city. 117 Washington Avenue S.

GIVE YOUR ORDERS TO

**TRAGER BROS.**

**THE MEAT MEN.**

509 MICHIGAN AVENUE EAST.