

# The M. A. C. Record.

VOL. 5.

LANSING, MICHIGAN, TUESDAY, FEBRUARY 27, 1900.

No. 24.

## Beet Sugar.

TO BE SUNG TO THE TUNE "MY BABY" IN  
"HOME'S SWEET HARMONIES."  
FRANK HODGMAN '62.

A slick fellow came with a tale of a beet,  
Crying, "Sugar, beet sugar;"  
He said to a farmer he met on the street,  
"Try sugar, sweet sugar, beet sugar.  
There's no end of profit in raising the beet;  
It makes for your cattle a ration complete;  
There's nothing on earth they're so greedy  
to eat;  
Try sugar, beet sugar;  
Yes, sugar, sweet sugar, beet sugar.

"We are building a factory just out of town  
For making beet sugar;  
And when things are running we'll do 'em  
up brown  
With sugar, sweet sugar, beet sugar.  
I'm certain that you can raise beets to a  
charm;  
They never will do to the soil any harm;  
It's dead sure to double the price of your  
farm;  
There's money, big money  
In raising the beets for beet sugar.

"'Twill pay you to take a few shares in the  
mill  
For making beet sugar;  
You can put in a thousand or so if you will,  
For sugar, sweet sugar, beet sugar.  
Right here is a contract for raising the beets;  
Your name at the bottom will make it com-  
plete;  
You never need fear, for they never can  
cheat  
In weighing and testing  
The beets for sweet sugar, beet sugar.

It seemed to the farmer a scheme to his  
mind,  
Beet raising for sugar;  
To raise a few acres the contract he signed,  
And put in the beets for beet sugar.  
Then with his good Methodist knees on the  
ground,  
He weeded and thinned them and scratched  
all around,  
And wondered that such a great chump  
could be found  
Beet raising for sugar;  
To work on his knees for beet sugar.

The rains washed the soil from the plants at  
his feet,  
Oh sugar, beet sugar;  
And many a good one was killed by the  
heat;  
Oh sugar, sweet sugar, beet sugar.  
He did not have much of a crop in the fall,  
And pulling them up made him bitter as gall,  
But topping the beets was the worst job of  
all;  
Oh sugar, sweet sugar;  
Oh sugar, sweet sugar, beet sugar.

And when he had shipped them and got  
them in store,  
Sweet sugar, beet sugar;  
The beets they weighed less and the cars  
they weighed more;  
Oh sugar, sweet sugar, beet sugar.  
The beets were not anywhere nearly so  
sweet;  
The farmer said "Dum it! I know I am  
beat;  
There'll be a new deal or I'll not raise a beet  
For sugar, sweet sugar;  
For sugar, sweet sugar, beet sugar."

## Report of State Board of Agriculture for 1899.

The volume for 1899 includes an unusually large amount of reading matter, and should be in the hands of every farmer.

In addition to a list of the members of the Board and College Faculty it contains reports from the different departments of the College and Experiment Station, besides bul-

letins 161 to 171 issued during the year ending June 30, 1899. It also gives a report of the commencement exercises, including the baccalaureate address of John Henry Barrows, D. D., the commencement address of Pres. A. S. Draper, the orations of Miss Teresa A. Bristol, and Mr. S. L. Ingerson, who were selected from the senior class to represent respectively the women's and the agricultural courses, and President Snyder's address to the graduating class.

Of especial interest to the older alumni is a biographical sketch of Dr. Manly Miles, who was a member of the M. A. C. faculty from 1861 to 1875.

Brief reports of the Michigan State Grange, the State Association of Farmers' Clubs by Secretary A. B. Cook '93, the Michigan Dairy-men's Association, the State Agricultural Society by Sec. I. H. Butterfield, the State Live Stock Commission by Pres. J. H. Brown with '83, and the report of the State Inspector of Nurseries, D. W. Trine '92.

Among the miscellaneous papers is a symposium regarding Michigan Live Stock in 1899, with Prof. H. W. Mumford '91, E. N. Ball '82, H. J. DeGarmo with '88, and C. R. Reynolds '02, among the contributors. Colon C. Lillie '84 also has an article upon Commercial Fertilizers in Michigan.

The report contains a number of interesting tables, including an inventory of the College property which shows its valuation to be more than one-half million dollars, while the annual income from the college from the national government and the interest from the land grant fund is over ninety thousand dollars.

Farmers often complain of the amount the College costs them in the way of taxes, but these tables show that, excluding the state weather service and the farmers institutes, the cost of the College in the way of taxes is but one cent on each thousand dollars of assessed valuation.

The report contains many articles that will be of interest and value to any person interested in agricultural pursuits, and is sent free by mail to any person applying for it to Secretary A. C. Bird, Agricultural College, Mich. There are also a considerable number of the reports for 1898 still available for distribution.

## Washington's Birthday.

The armory was well filled on Thursday afternoon by an enthusiastic and patriotic audience. The exercises were opened with "The Star Spangled Banner" sung by Mr. Burdick, assisted by the chorus.

The Rev. E. B. Allen gave the invocation.

Judge C. B. Grant presided. After a few words which showed his deep regard for the memory of the great Washington and a short lesson on the distinction between the simply honest man, *per se*, and him who is purposeful and courageous as well as honest, he introduced Professor Bradley M. Thompson, U. of M.

Professor Thompson said that he was glad of the opportunity to speak to farmers. Nearly all the governors of Michigan and two-thirds of her bankers had been farmers or are farmers; so too with house and senate. Great nations and great events are made by the leadership of the few and the faithful following of many. The history of a few men mark the progress of the race. At the time of the great revolution we were fortunate in having the man Washington.

We didn't know ourselves two years ago, but the recent war has acquainted us and all the world with our strength and given us a position as one of the great nations. Professor Thompson is an expansionist. He says that we can rule Porto Rico, Hawaii and the Philippines under our constitution as we ruled Michigan before she became a state, as we rule Arizona, New Mexico, and Alaska today. In reply to those people who say that the Philippines are too far away he argued that time not miles is the measure of distance. Manila is nearer New York today than was New Orleans at the time of the Louisiana purchase. We need coal-ing stations, for we must protect and extend our foreign commerce, and share the markets of the world equally with other nations. The present time marks the beginning of the greatest commercial war in the history of the world. He wants to see the United States take her part in the great questions that confront mankind.

Judge Grant in illustration of the rapidity with which events move nowadays then related a story told him by the captain of a sailing vessel. The captain left Manila for New York just before war was declared between Spain and the United States. He was delayed on the way. When he arrived in New York harbor he learned for the first time of the war, our great victories and the declaration of peace.

Mr. Cummings sang "The Feller on My Knee," a timely selection, which closed the exercises appropriately.

## The Junior Hop.

The ninth annual Junior Hop was given by the class of 1901 in the new armory, Lansing last Wednesday evening. The grand march, led by Prof. and Mrs. Towar, began about 8:30 and was followed by dancing until 10, when all repaired to the banquet hall to feast the physical and intellectual. Toastmistress Ella Phelps, paid a few tributes to the Juniors and their past history, preparatory to the first toast "The Naughty Ones," by J. M. Rankin; other toasts were "Athletics," R. M. Lickley; "The Wise Man," Miss Alice Gunn, who pictured some of the male members of the class as wise, and some as otherwise; "The Ladies," L. H. Taylor; "Everything," G. E. Chadsey, whose toast was largely a roast to the discomfiture of some, and the merriment of all, and "The Great Unknown," by C. A. McCue. The banquet was elegantly served by the ladies of The Eastern Star.

After the banquet, dancing was resumed to the music of Bristol's orchestra.

The Armory was beautifully decorated in the class colors with pink and green bunting. In the centre of the ball room was suspended a huge "01," which, when viewed from the rear of the room, assumed the form of "a ten-spot, in token of the standings the Juniors receive." The hall was abundantly supplied with settees and sofas from Buck's, besides the two cozy corners arranged for the patronesses, Prof. and Mrs. J. D. Towar, and Prof. and Mrs. U. P. Hedrick. Parlors on the second floor were provided for those who did not dance. That the hop was thoroughly enjoyed is attested by all who were present, which is always the criterion of a successful social event. N. A. M.

## Natural History Society.

The Natural History Society was addressed last Wednesday evening first by D. J. Crosby on the subject of "The Passenger Pigeon." The speaker quoted prominent authority regarding the former abundance of this now very rare bird. He described somewhat in detail its flights and nesting habits. He said, "It would go 60 miles for breakfast and return before nine o'clock." Its occurrence and principal nesting places in the state in former years were then spoken of quite fully. This was followed by a description of its commercial importance in certain localities and the methods used in capturing it. After a short discussion and some observations Mr. S. F. Edwards read a paper on "Water Analysis for Bacteria." The necessity for pure drinking water was first cited; and instances given showing the evil results of using impure drinking water. The principal methods of determining the presence of harmful bacteria and the manner of isolating these from the perfectly harmless ones was touched upon only briefly. He also mentioned some of the methods of filtering water.

An amendment to the constitution was adopted providing for the election of officers the last meeting of each term instead of each college year as was done heretofore. D. S. B.

## Oratorical Contest.

The eleventh annual Oratorical Contest was held in the College armory on Friday night last. The honors were awarded as follows: G. M. Bradford of the Eclectic Society, first; Paul Thayer of the Union Literary Society second; J. B. Strange of the Columbian Society third.

Geo. M. Odlum, the representative of the Olympic Society, who is at home ill, received first on manuscript. J. M. R.

The second and last military hop of this term, at the Armory, next Friday night; Bristol's orchestra will furnish music.

# 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.

Y. M. C. A.—Regular meetings Sunday evenings  
at 7:00 and Thursday evenings at 6:30. C. H.  
Parker, President. D. S. Bullock, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on  
the campus, Thursday evenings at 6:20, in Abbot  
Hall. Sunday meetings with the Y. M. C. A.  
Mabel Brigham, President; Elizabeth Johns, Cor.  
Secretary.

KING'S DAUGHTERS—Meet alternate Wed-  
nesdays. Mrs. J. L. Snyder, Leader. Mrs. W.  
B. Barrows, Secretary.

NATURAL HISTORY SOCIETY—Meets  
alternate Wednesday evenings at 6:30 p. m., in  
the Zoological Lecture Room. B. Barlow, Presi-  
dent. W. K. Wonders, Secretary.

BOTANICAL CLUB—Meets Tuesday evenings  
at 6:30 in the Botanical Laboratory. G. M. Brad-  
ford, President. Emma Miller, Secretary.

ADELPHIC SOCIETY—Meetings every Satur-  
day evening at 7:00, Class room A., College Hall.  
Wm. Krieger, President. R. Southwick, Secre-  
tary.

COLUMBIAN LITERARY SOCIETY—  
Meetings every Saturday evening at 7:00. Fourth  
floor, Williams Hall. Bronson Barlow, President.  
Burt Wermuth, Secretary.

ECCLECTIC SOCIETY—Meetings every Satur-  
day evening at 7:00, Fourth Floor, Williams Hall.  
D. B. Finch, President. T. G. Phillips, Secretary.

FERONIAN SOCIETY—Meetings every Thurs-  
day afternoon at 4:00. U. L. S. Rooms. Allie  
Cimner, President. Mabel Brigham, Secretary.

HESPERIAN SOCIETY—Meetings every Satur-  
day evening at 7:00, West Ward, Wells Hall.  
J. S. Christensen, President. H. G. Driskel,  
Secretary.

OLYMPIC SOCIETY—Meetings every Satur-  
day evening at 7:00, Fourth Floor, Williams Hall.  
T. J. Leavitt, President. D. C. Pierson, Secretary.

PHI DELTA SOCIETY—Meetings every Satur-  
day evening at 7:30, East Ward, Wells Hall.  
H. L. Kimball, President. R. L. Himebaugh,  
Secretary.

THEMIAN SOCIETY—Meetings every Fri-  
day afternoon from 5 to 6, Agricultural Laboratory,  
second floor. Maud Parmelee, President. Mar-  
guerite Nolan, Secretary.

UNION LITERARY SOCIETY—Meetings  
every Saturday evening at 7:00, U. L. S. Hall.  
E. W. Ranney, President. A. Kocher, Secretary.

TAU BETA PI FRATERNITY—Meetings on  
alternate Thursday evenings, Tower Room, Me-  
chanical Laboratory. William Ball, President.  
C. W. Bale, Secretary.

CLUB BOARDING ASSOCIATION—H. L.  
Chamberlain, President. Geo. Severance, Secre-  
tary.

M. A. C. ATHLETIC ASSOCIATION—W. T.  
Parks, President. H. P. Weydemeyer, Secretary.

FARMERS' CLUB—Meets alternate Wednes-  
day evenings at 6:30 in the Agricultural Labora-  
tory. J. H. Skinner, President. G. M. Odum,  
Cor. Secretary.

M. A. C. CHORUS meets in the Chapel every  
Monday evening at 6:30. C. H. Parker, President.  
Gertrude Van Loo, Secretary. Mrs. C. E. Mar-  
shall, Director.

## The Special Courses.

The special courses relating to  
butter making, live stock and fruit  
are now over, and it is time to take  
stock of the results.

It must be remembered in the  
first place that these are special  
courses, and not short college  
courses. The distinction is an im-  
portant one. Whereas in other agri-  
cultural colleges where the paucity  
of regular students taking the four  
years' course has made a resort to  
some easier road to supposable edu-  
cation necessary, short courses in  
agriculture are offered which are  
expected to cover in a couple of  
years the whole field of agricultural  
education, at M. A. C. the object

of these special courses is quite dif-  
ferent. Little attempt is made to  
train a man except in the limited  
field of his chosen vocation. The  
student devotes his entire time to  
the manual work, and to the sciences  
immediately connected therewith.  
These special courses are therefore  
less ambitious than many of the  
short courses in other institutions.  
In considering the results this fact  
should be borne in mind.

The class in live stock husbandry  
was made noticeable by the fact  
that it included some well known  
breeders, one of Shorthorns, and an-  
other of Jerseys and sheep, being  
especially noteworthy. There has  
been little change in either the  
methods of instruction or in the  
arrangement of studies since the  
success of last year. Stock judging,  
veterinary anatomy and medicine,  
stock feeding, hygienic bacteriology,  
and work on the general breeding  
and management of the flocks and  
herds, with the lectures on soils and  
crops constitute the sphere of their  
studies. It is pleasant to report that  
it was the universal verdict of the  
class that every phase of the work  
had been extremely helpful, and  
that the course was altogether too  
short to satisfy their desires.

The men who came here to take  
the creamery work came with a  
definite ambition, which could be  
gratified in no way but by giving  
them almost continuous practical  
work with the tester, the separator  
and the churn. They found the  
lectures on the chemistry and physics  
of milk, those on bacteriology, on  
veterinary subjects and on stock  
feeding exceedingly helpful in fitting  
them for their work. The actual  
training received in creamery me-  
chanics fitted them to manage better  
the machinery of the factory. Un-  
fortunately, the separators expected  
did not all come, thus lessening  
somewhat the value of the course in  
that item. Again, the lack of a  
small boiler and engine was felt in  
the work in mechanics. The rooms  
were cramped, and inconvenient.  
These defects will all be supplied  
next year. Even under the existing  
somewhat unfavorable conditions the  
boys expressed themselves as well  
satisfied with the results obtained.  
Certainly a brighter set of young  
men was never brought together in  
special or short courses in any insti-  
tution, and the College may rightly  
expect to hear from them in years  
to come.

The fruit course was well adver-  
tised, but for some reason utterly  
inexplicable the attendance was very  
small. It would seem that the mat-  
ters taught in the course are so inti-  
mately related to success in fruit  
growing and the methods recom-  
mended are of so much immediate  
value and adaptability to the condi-  
tions of every fruit grower, that  
there ought to be a host of young  
men here from the fruit regions of  
the state. Such, however, was not  
the case during this session.

This matter will be discussed  
more at length later.

On the whole, the special courses  
so far can be justly pronounced  
most eminently successful. There  
remains yet the cheese course, and  
the course in sugar production. The  
former opens with a most excellent  
attendance and spirit. The kind of  
instruction given in this course her-  
etofore has met with opposition from  
people who did not thoroughly  
understand our object and methods,  
but that opposition has entirely dis-  
appeared. c. d. s.

## "Adulterated Sugar."

BY R. C. KEDZIE.

The following letter was received  
recently, and is answered through  
THE RECORD because some of the  
facts involved may be of general  
interest:

Feb. 13, 1900.

PROF. R. C. KEDZIE.

Dear Sir—I send you today by  
mail a sample of what we suppose  
is Michigan sugar, bought in South  
Haven. I will try to find out  
which factory it is from. It is  
adulterated with something that  
looks like dirt and Prussian blue.  
Please let me know what is in it.  
I am willing to eat my share of  
dirt but I do not have any use for  
the coloring matter.

Yours truly, S.

A specimen of sugar (40 grams)  
accompanied the letter. It was a  
fair specimen of granulated sugar  
except that it was a little off color,  
and contained some fibers that  
seemed to indicate it had been care-  
lessly handled, or kept in poor sacks.

The sugar was analyzed to see  
whether it contained any sugar ex-  
cept sucrose, and was free from  
glucose and reducing sugars. As  
regards its contents of sugar, it was  
pure.

On dissolving the sugar in water  
some fibres were visible floating in  
the water, and a small amount of  
solids at the bottom. The solution  
of sugar was removed and set aside  
for further study, the solids and in-  
soluble matter washed thoroughly,  
dried and weighed, and the percent-  
age of this estimated, when it was  
found to be .01125, or one and one-  
eighth parts in 10,000 of the sugar.  
Under the microscope the fibres  
looked like jute, and were plainly  
vegetable, for they burned readily  
when heated. The small residue left  
after burning the solids was found  
to be a little carbonate of lime and  
speck of iron.

The sugar solution after boiling  
and standing for some time, depos-  
ited a minute amount of purplish  
blue material, which proved to be  
*Ultramarine* and not Prussian Blue,  
as suspected by my correspondent,  
but the amount was trifling, equal to  
8 ounces in 100,000 pounds of sugar.

It thus appears that the amount  
of foreign materials present in this  
sugar is very small, and if my cor-  
respondent expects to eat the tradi-  
tional "peck of dirt" in the domes-  
tic use of this sugar, he will need a  
long life in which to do it.

None of these foreign matters are  
especially injurious to health, the  
one that usually excites suspicion is  
the *Ultramarine*, the blue scum  
which sometimes rises on the sur-  
face when sugars are melted for  
making preserves, and which has an  
uncanny look. My attention was  
first called to it by the late Mrs.  
Howard. She "had bought her  
sugar from the best grocer in Lan-  
sing, yet here is a blue scum that  
rises on the surface of the syrup,"  
but her fears were quieted when she  
learned that it was harmless, only  
the blue pigment, *Ultramarine*.

This material is used to offset the  
yellowish color sometimes found in  
sugar crystals, just as the wash-  
woman uses bluing to whiten linen  
clothes. A man would hardly call  
his shirt "adulterated" if it had re-  
ceived an overdose of indigo and  
thus acquired a bluish color.

I first saw the use of *Ultramarine*  
to whiten the sugar crystals in the  
Oxnard Sugar Factory in Grand  
Island, Neb. When the mass of

sugar crystals and adhering syrup  
was thrown into the rapidly revol-  
ving centrifugals to dry the sugar,  
near the close of the operation,  
water holding *Ultramarine* was  
squirted over the crystals to remove  
the last traces of syrup and slightly  
color the crystals to give a white  
color to them. The quantity to be  
used seemed to be determined by  
the eye of the operator, and not by  
any fixed rule. The same material  
seems to be used in all sugar factor-  
ies and refineries. If used in excess  
the blue scum will appear, but not  
if used in moderate amount.

## Institutes and Bulletins.

The Institute season now nearing  
its close has been unusually success-  
ful, as the weather has been for the  
most part propitious and the attend-  
ance large. The speakers, with the  
exception of Mr. Converse, of New  
York, and Mr. Husselman, of Indi-  
ana, have been practical farmers  
from our own state, or citizens dis-  
tinguished for ability along the lines  
on which they have spoken, and the  
amount of good accomplished cannot  
be measured.

One resulting feature of the Insti-  
tute work has been the addition of  
the names of many farmers to the  
bulletin list of the Experiment Sta-  
tion. In this way the usefulness of  
the Station to the State has been in-  
creased, and the counties visited cor-  
respondingly benefited. The bul-  
letins for the coming year promise  
to be of great value and interest.  
The next to be issued will relate to  
Michigan wools; the one following  
will be the fruit report from the  
South Haven Sub Station; the next  
relates to sugar beets and farm crops  
generally, and so through the year  
all phases of agricultural interests  
will be touched. We welcome the  
names of all our farmers to our  
mailing list. We are especially  
anxious to extend the influence of  
the Station to those farmers who  
need it most, namely those who are  
working along making little if any  
profit, their lack of success being due  
to neglect of better methods, and we  
want the intelligent farmers of the  
state to aid us in this work. All  
bulletins are sent free to any citizen  
who addresses a postal card to "The  
Secretary, Agricultural College,  
Mich.," asking that his name be  
placed on the permanent mailing list.

C. D. S.

## The Half has not Been Told.

Last week mention was made of  
the premiums taken by R. J. Willis,  
a member of the special class in  
cheese-making, at the recent State  
Dairymen's Convention, but the  
story was only half told.

We learn that when the Detroit  
Exposition was in its palmy days,  
Mr. Willis won first, second, and  
third on his exhibit, for two years  
in succession. He is not content  
with such a record, but is still after  
more worlds to conquer. Mr. J.  
Browers, manager of the Zeeland  
Cheese Co., is also with us. His  
firm turn out seven or eight brands  
of fancy high-priced cheese, which  
are handled only by the best trade.  
Michigan cheese holds a place pecu-  
liar to itself, and commands top  
prices in local markets. Outside of  
this state, however, it does not rank  
with the cheddars of states more  
advanced in dairy work. The  
cheese made by the students will  
possess the desirable features of the  
State brand with those of Wiscon-  
sin and Canada additional.

**At the College.**

L. B. Littell '01 received a visit from his mother last week.

Pres. Marston of the State Board was on the grounds last Wednesday.

Mrs. J. A. Mumford returned to her home in Moscow last Thursday.

Bronson Barlow '00, was confined to his room for two days last week, on account of sickness.

J. J. Ferguson was prevented from attending to his college duties last week on account of sickness.

Mrs. Waterman entertained her cousins, Mr. and Mrs. H. O. Walter and children, of North Dakota, last week.

On the evening of Washington's birthday, Professor and Mrs. Barrows entertained a small company at a "house picnic."

Our Y. M. C. A. quartet assisted in furnishing the music at the State Y. M. C. A. convention at Kalamazoo last week.

H. L. Bird, secretary and treasurer of the West Michigan Nurseries, and wife spent Sunday at the home of Secretary Bird.

The cold snap of last week made it possible to complete the filling of the ice house. The ice is about seven inches thick and quite clear.

A number of the students, some with cameras, visited the barns last week to see the "Monstrosity." "A calf with six legs."—"Fore legs in front, two behind."

N. D. Edwards '03m was quite seriously sick last week being threatened with pneumonia. At present writing however he is somewhat improved. Mildred Edwards has the measles.

Prof. Smith attended the Jackson County Farmers' Institute at Concord last week. He also spoke at Parma Wednesday night, at Hanover Thursday night and at Grand Rapids on Friday.

The Chicory Industry will be discussed next Tuesday night at the Botanical Club by T. G. Phillips. A paper will also be read on the life of Dr. John Bartram by C. W. Kaylor. All are invited to attend.

Sunday afternoon, Feb. 18, while running in the deer park, the doe deer dashed against a tree and was thrown to the ground. Before she could regain her feet she was attacked and killed by the buck elk.

By a recent resolution of the State Board the young ladies' societies were prohibited from meeting in the society rooms in the dormitories used by the young men. A satisfactory arrangement, however, has been made and in the future the Feronian Society will meet in the Union Literary Society rooms. The Themian Society has been granted the use of the north suite of the State Board rooms in the Agricultural Laboratory.

**JUNIOR CLASS  
..ANNUAL..**

**The "Wolverine"**

**WILL BE OUT  
SOON.**

Send in your order now.

Address, J. G. ALDRICH,  
Agricultural College, Mich.

**Field Day at M. A. C. June 1 and 2.**

Last Friday night the M. I. A. A. Board of Directors met in Jackson. All of the colleges were represented, and there was also a representative from Adrian.

Adrian was admitted to the association for the remainder of the school year, taking part in all of the Field Day events with the exception of base ball, tennis, and wrestling, the reason being that at present there are enough in the above events for the time allowed.

The all around and 1-mile tandem bicycle race were taken from the list of events. The 5-mile bicycle race was placed within a time limit of 12½ minutes, or no prize will be awarded.

It was voted that the rules of the M. I. A. A. in regard to eligibility shall apply to football when the games are between the colleges.

All games between colleges in the M. I. A. A. are to be played under a written contract adopted by the Association.

Baseball is to be played upon the percentage system, but owing to the number of games and the short time in which to play them the colleges were divided into groups, and the three having the highest per cent. are to play on Field Day.

The contract for medals was awarded to R. E. Brackett, of Lansing.  
J. H. S.

**SPECIAL OFFER  
TO STUDENTS ONLY**

From Tuesday, Feb. 27, until Tuesday, March 6, we will print

**100 Calling Cards for 50c  
50 Calling Cards for 30c**

Call and leave your orders at once, as these prices will not hold good after March 6.

**Lawrence & VanBuren Printing Co.**  
Printers of the M. A. C. Record.

**LOTS FOR SALE IN  
"OAKWOOD"**

**On Easy Terms—Low Prices.**

Buy a lot and we will lend you the money with which to build a house.

**CITY ADVANTAGES,**

including electric lights, sewerage and regular street car service with

**COUNTRY TAXES.**

Buy now while prices are low. Rent of rooms alone will pay TEN PER CENT. NET on the investment.

Enquire of either

DR. J. W. HAGADORN,  
EDWARD CAHILL,  
C. D. WOODBURY, or  
A. C. BIRD.

IF IT IS

**HARDWARE**

you can get it  
at...

**NORTON'S**

111 Washington Ave. S.

COLLEGE BUS HEADQUARTERS.

**WHEN YOU BUY**

**Gymnasium  
Goods...**

you  
want  
the best.

WE SELL

**Spalding's...**

**SHIRTS and TIGHTS**

No need  
to tell you  
of their merits.

Making very low prices  
on entire line of  
FLANNELETTE  
NIGHT ROBES.

Students' Patronage Solicited.

**ELGIN MIFFLIN.**

**Furniture Headquarters.**

Cots at - - \$1.25, \$1.50, \$2.00 and \$2.50  
Wire Springs at - - \$1.50 and \$2.00  
Mattresses from - - \$2.00 up  
Tables, Rockers, Bureaus, Iron Beds.

All goods delivered free to College.

**M. J. & B. M. Buck.**

**R. B. Shank & Co.,**

**Leading Grocers and Confectioners.**

**Cordovan Shoes**

Genuine cordovan leather is probably the best leather ever used for shoes. Its fine close grain makes it practically waterproof while it takes a polish almost equal to patent leather. You always paid five dollars for such shoes—we offer our present stock at



at **\$3.50** a pair

One of the "ROYAL" Shoes.

**C. D. WOODBURY,**

Hollister Block.

**Simons  
Dry Goods Co.**

**ALTERATION  
SALE!**

We are remodeling our store and for the next **THREE WEEKS** offer great concessions in prices on **DRY GOODS, CLOAKS, AND CARPETS.**

**Simons Dry Goods Co.**  
Three Stores—Three Floors  
ELEVATOR.

Chicago M. A. C. Association.

Bohemian Reunion of the Chicago M. A. C. Association at Hotel Bismark, 182 Randolph St., Chicago, Saturday, March 3, 1900, 6 p. m.

It will be a mile-stone in your life. You can't afford to miss it. Come eat, drink and be merry. \$1.50 per plate. Entirely informal. Each one should contribute a speech, song or reminiscence.

Executive Committee: C. E. Smith, '84, President, Dr. J. A. Wesener, '88, Vice Pres., I. L. Simmons, '97, Sec. and Treas., 6455 Monroe Ave., R. H. Gulley, '78, W. R. Rummeler, '86, Prof. "Pete" Woodworth will pass the loving cup.

To the Readers of the Record.

On Jan. 9, 1899, the new Pilgrim Church burned to the ground. The news was communicated to the College just then assembled to hear one of Dr. Moulton's lectures and an earnest vote of sympathy was unanimously passed by the large and representative audience present. This was immediately communicated to the church and pastor, even while the ruins of the church were burning. It came with splendid inspiration.

It may be understood, then, with what glad eagerness the Church extends its invitation to the Faculty and students to be present at the Sunday morning service, March 4th, and share our hospitality in the new home. The invitation carries with it the appreciation and gratitude of the people. It is hoped that many may be able to come.

Sincerely yours, ERNEST BOURNER ALLEN, Pastor Pilgrim Church.

George Daniel Moore, '71.

In addition to the brief note concerning the death of this estimable man, we add the following from the Hudson Gazette: "He was born in the township of Medina, Feb. 27, 1853. His early education was obtained in the district school and at Oak Grove Academy. In 1868, he entered the Michigan Agricultural College, and graduated with high honors in the class of 1871. Returning from school to the old farm, which his father took up from the government in 1834, he betook himself with the nervous energy of his make-up to put his education to practical use.

"In October, 1877, he married Effie B. Lawrence and moved into the new home. Five children came to bless this union.

"He died Sunday evening, Feb. 4, 1900.

"In the death of Mr. Moore the town has sustained the loss of an intelligent, honored citizen, the community an obliging neighbor, the wife and children a tender, loving husband and father. His pleasant smile and strong firm grasp of the hand will never be forgotten. He was always ready to aid in the work of home organizations, literary societies and clubs that had a tendency to educate and elevate.

"He was an active member and worker in the Grange for nearly twenty years. He had held the highest offices in the gift of the local and county societies, was a member of the Ancient Order of Gleaners at Canandaigua, and was at his death the chief officer; also an officer in the Supreme order."

In 1894, a committee of the faculty visited Mr. Moore and after inspecting his home farm, recommended that the State Board of Agriculture confer on him the degree of Master of Agriculture on his completion of a suitable thesis. The thesis was never presented.

W. J. B.

News from Graduates and Students.

R. J. Robb special with '98m visited college friends last week.

Alton C. Burnham '93m is manager for Eldridge, Graham & Co., Publishers at 151 Fifth Avenue, New York City.

Henry Haigh '74 was recently elected president of the Michigan Republican Club, Detroit, Mich.

Walter Goodenough, '95m, is now with the New York Ship-Building Company, Camden, N. J.

Daniel W. Andrews with '80 is special agent and adjuster for the Lancashire Insurance Company at N. Third street, St. Louis, Mo.

W. J. Merkel, '97m, with the General Electric Company, Schenectady, N. Y., has been promoted from the drafting-room to the engineering department.

G. N. Gould '99 is in the employ of the Loud Lumber Co., Munising, Mich. For the past six weeks he has been inspecting piles and telegraph poles. He is the only person in the camp with which he is at present connected who speaks English, all the others speaking French.

Why Not ?

Don't you think it pays to buy your Drugs at Cut Rates? You save money and the increased volume of business pays us.

TRY IT.

ALSDORF & SON,

CUT RATE DRUGGISTS and PHOTOGRAPHIC SUPPLIES

CHAS. A. PIELLA,

DEALER IN

DIAMONDS, WATCHES, JEWELRY,

Clocks, Silverware, Art Goods.

121 Washington Ave. N., LANSING, MICH.

Employees of M. A. C.

Desiring to build should not purchase their material before consulting with

Hiram Rikerd, Lansing, Mich.

Lumber of all kinds. Interior Finishing a specialty.

PRICES RIGHT.

Office and Factory, Mill St. Both Phones.

Davis Clothing Co.

103 Washington Ave. S.

COME ON BOYS—

We have all the latest up-to-date styles and patterns in

CLOTHING, FURNISHING GOODS AND HATS.

We also keep Sweaters, Supporters, Foot Ball Pants and Jackets.

We are glad to see the old men back and will be pleased to have the new men call. Make our store your headquarters while down town, it is a handy place to leave your packages. WE ARE ONE PRICE.

WE SELL FOR CASH ONLY.

DAVIS CLOTHING CO.

BICYCLE and ELECTRICAL SUPPLIES.

Also the largest Repair Shop in Lansing fully equipped with power machinery.

We pay all transportation on wheels to and from College when repairs amount to one dollar or more.

Capitol Electric Engineering Co.

321 Washington Ave. S.

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.

BARBERS.

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

BOOKS AND STATIONERY.

LANSING BOOK AND PAPER CO. Waterman and Sterling Fountain Pens, Stationery, Pictures, Frames, Wall Paper. 120 Wash. Ave. N.

CITY BOOK STORE. Fountain Pens, Drafting Tools, Stationery, Cards Engraved, Pictures and Picture Framing. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

BOOTS AND SHOES.

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

BICYCLES.

GEO. H. RICHMOND. Pierce Cycles. Full line of sundries. Repairing and renting at reasonable rates. 200 N. Washington Ave.

CLOTHING.

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

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

CROCKERY AND GLASSWARE.

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

DENTISTS.

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

DR. DAWLEY, M. D., D. D. S. Office over Postal Telegraph Co., Michigan and Washington aves.

D. E. PARMELEE—Dentist. 218 Washington Ave. south. Opposite Hudson House.

DEPARTMENT STORE.

DONSEREAUX'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c.

DRUGGISTS.

ALSDORF & SON—The Druggists. Two stores, 102 Washington Ave. N. 335 Washington Ave. S. See ad.

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

ALL MEATS....

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

We make daily trips to the College.

BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTTER.

Washington Ave. South.

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 ad.

GROCERS.

R. B. SHANK & CO., 200 Washington Ave. S. The leading grocers. Both phones. Daily delivery to the college.

HACK AND BAGGAGE LINES.

M. A. C. STUDENTS—Don't forget W. H. PORTER, the Hack and Liveryman. Rubber tires a specialty. 300 Capitol Ave. S. Both Phones.

HARDWARE, STOVES AND TINWARE.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Graniteware, Cutlery, etc. 111 Washington Ave. South. See ad.

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD. (Incorporated) 108 Mich. Ave. West. All kinds of the best insurance. Strongest agency in city.

JEWELERS.

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

LAUNDRIES.

THE VAN GORDER PALACE LAUNDRY. College agents, C. H. Hilton, 97 Wells; Irving Gingrich, 47 Williams. S. P. Lantz, Prop.

LUMBER DEALERS.

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

MERCHANT TAILORS.

WOODBURY & SAVAGE.—Tailors. Student trade solicited. Opposite Hotel Downey, North.

JOHN HERRMANN'S SONS. Fine Tailoring. 218 Washington Avenue N.

OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M. City National Bank Building, Lansing.

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.

DR. J. M. COLLIER.—123 Washington Ave. south. Office over Capital Drug Store. Residence 310 Seymour St.

RESTAURANTS.

GILBERT M. HASTY.—Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. Quiet place for ladies. 113 Wash. Ave. S.