

# The M. A. C. RECORD.

MICHIGAN AGRICULTURAL COLLEGE.

VOL. 18.

EAST LANSING, MICHIGAN, TUESDAY, NOVEMBER 19, 1912.

No. 9

## M. A. C. WINS FINAL HOME GAME.

WABASH IS DEFEATED, 24 to 0.

M. A. C. did herself proud Saturday afternoon, winning from the strong Indiana team by the decisive score of 24 to 0. The surprise to M. A. C. rooters was the almost total absence of the forward passing, for which the team is noted. This, however, was accounted for by the absence of the visitor's star quarter, Lambert, who has been depended upon for the forward pass and trick plays. Only one very successful pass was made by the visitors, while the home team made good in at least a dozen attempts.

The field was rather heavy and during the first quarter fumbles were frequent. No scores were made in the first period, but it was plain to be seen that M. A. C. had the best of the argument.

Both Miller and Gorenflo did excellent work in receiving the forward pass. On one occasion the former was obliged to jump into the air to stop the ball, and wrapping his arms around it, fell over the goal line for a touchdown.

One of the most spectacular plays came in the last period, when Miller dropped back as if for a place kick from the 40-yard line. The kick was not to be made, however, for Riblet scooped up the ball and tossed it 30 yards to Gauthier, who with the help of Servis, covered the remainder of the distance for a touchdown.

Julian was everywhere present on defense, and made as high as 15 yards at one plunge through tackles when given the ball.

The visitors fought gamely, and on several occasions when within striking distance, the home team lost the ball. They were not in as good physical condition, evidently, as M. A. C., and Coach Harper was obliged to make several substitutions.

The contest was witnessed by the usual large crowd, and the band, arriving a little late from the Grand Rapids trip, was warmly welcomed when they marched on the ground.

### THE LINE UP.

M. A. C.	WABASH.
B. Miller.....	L. E. .... Howard
Chaddock.....	L. T. .... Hurd
Campbell.....	L. G. .... Ebert
Chamberlain.....	C. .... Cravens
McCurdy.....	R. G. .... Sweet
Gifford.....	R. T. .... Elliott
Gorenflo.....	R. E. .... Rowe
Gauthier.....	Q. B. .... Watt
Riblet.....	L. H. .... Nicer
Julian.....	F. B. .... Showalter
Servis.....	R. H. .... Nichols

Umpire — Porter, Cornell. Referee — Hadden, Michigan.

Score by M. A. C., 1st quarter, 0; 2d, 6; 3d, 18; 4th, 24.

'10.

P. H. Piper is now a member of the firm of Piper & Demske, building contractors, Detroit.

## THE NEW DAIRY BUILDING.

Many readers of the RECORD will be glad to learn that the dairy department of the college is soon to be moved into a new building, modern in all of its appointments. The excavation has already been completed, and it is expected the building will be ready for occupancy by the opening of school next fall. The old building, that has but illly served its purpose to a department which has rapidly developed under the efficient management of Professor Anderson, is to be turned over to the forestry department.

The new building will be located upon the rise of ground north and across the road from the "farm house," and will face the south. It is 121 feet long by 77 feet wide, and consists of a sub-basement, first and second floors. The sub-basement is for the accommodation of the ventilating flues, steam, water and sewer pipes, and will be but about four feet high.

The first floor contains, on the right hand side of the broad corridor, a small sales room where the various products of the dairy are retailed, and back of this a large washroom for the use of the employees; next the market milk room, about 30 feet square. Here will be demonstrated the best methods of handling and caring for market milk. Beyond this, and between it and the butter manufacturing room, will be the cold storage plant, with special apartment for winter butter. The "butter room" is substantially 30x50 feet, and will provide ample space for demonstrating modern creamery practice, with all the necessary apparatus and machinery. On the left side of the corridor, at the front, are the offices of those in charge of the manufacturing end of the dairy work, and beyond these is the "cheese room," 30 x 30, with a small cheese curing room adjacent. At the farther end, on the same side, is the "farm separator" room, about 30x36, in which instruction is given in home dairy methods, while between the latter and the cheese room is a rather commodious storage room for dairy supplies.

The main corridor contains large plate glass windows looking into the various rooms, and permitting visitors to watch operations and see the products without entering.

The second floor contains a large classroom, extending entirely across the building, and about 38 feet wide. Beyond this, on either side of the hall, are large "testing laboratories" for the use of students, with a small classroom adjacent to each. Large sky lights, in addition to the side windows, furnish the laboratories with abundant light, while glass partitions between these and the hall give the same effect as on the first floor.

The building will be of reinforced concrete construction, with the most modern system of heating and ventilating, and the floors will be of the best cement type. It will be a dairy plant of which the college and the state may be proud.

## BAND MAKES HIT IN GRAND RAPIDS.

The college band of 50 pieces scored a decided success in their trip to Grand Rapids last week. Shortly after arriving in the city, the band made a parade of the down town district, and many favorable comments were heard. During the afternoon the concert at the Coliseum was thoroughly appreciated by the crowds attending the Apple Show. Another parade at 7 o'clock, followed by an evening concert at the show, concluded the day's work.

The managers of the Apple Show complimented the band very highly upon their work, saying it was by far the best music furnished during the week.

Saturday morning, trips were made by the men to points of interest, most of the men going to J. W. York & Son's band instrument plant, where they were very much interested in seeing just how a sheet of metal can be gradually developed into a finely finished musical instrument.

The uniform overcoats obtained for the occasion added much to the appearance of the organization, and impressed everyone with the idea that our band should be fitted out permanently with overcoats.

The loss of the bass drummer, Friday morning, through over-sleep, and the near loss of others later through the efforts of the gentler sex, also added excitement to the trip.

Leaving Grand Rapids at 11:10 Saturday morning by the P. M. fast express, the bunch managed to get to Lansing at 1:20 p. m., in time to help out at most of the Wabash game.

## THANKSGIVING PROCLAMATION BY GOV. OSBORN.

"Another year has been added to the golden scroll of Michigan. Our people have been the recipients of God's bounty, his mercy and his love. The state has been spared famine and pestilence. There has been a wholesome awakening of the public conscience. Civic ideals were never clearer and higher. Our people have an increased reverence for the laws of God and man. Every fiber of heart and head thrills with gratefulness to the divine father.

"Therefore, I, Chase S. Osborn, governor of Michigan, for the people of this state, having in mind these manifold blessings of God, do proclaim Thursday, the twenty-eighth day of November, as a day of feasting and prayer and thanksgiving to God for his goodness, his protection and his direction.

"Given under my hand and the great seal of the state, this 8th day of November, in the year of our Lord, one thousand, nine hundred and twelve, and of the commonwealth, the seventy-sixth.

"CHASE S. OSBORN."

## ALUMNI

'68.

As one of the few students that had Prof. W. W. Daniels as an instructor at M. A. C., I cannot resist adding a few words to what was said of him in the last RECORD. For our course in analytical chemistry we had more to do with him than Dr. Kedzie, so became well acquainted with him. As that acquaintance, though short at the time, has been somewhat kept up by meeting him several times since, I have always held him in mind as I did the older instructors at that time. My respect for him was ably expressed in the notice referred to. At the semi-centennial I had the pleasure of reintroducing him to one of his first students, Prof. W. W. Tracy, '67, they not having met during the 10 years that had passed since he left M. A. C. I cannot but feel that another link connecting us with the old college has been broken.

A. G. GULLEY, '68.

'06.

We quote the following from a letter written by E. F. Smith, of Chicago:

"All is quiet along the Chicago river, now that election is over, and as soon as the returns are all in I am going to begin reading the daily papers again. Meanwhile, I have been reading the M. A. C. RECORD and the Review of Reviews. I am still at the same place, and the 22d of this month is the end of my third year with the Rock Island Ry. My work is keeping the map record of all track, building, and bridge changes on about 8,000 miles of railroad, including over 1,500 towns and cities. I also do new map work part of the time.

"I see Jim Fisk occasionally, and also Ray and Lee Kingsley. Ray has just received an appointment to the Philippines, and is on his way, so I probably will not see much of him again soon. George Boomsliter, with wife and daughter, spent the summer vacation in Chicago, and we had a nice visit with them. There are a great many M. A. C. people in Chicago, but about the only way we get together is at the annual reunion, when we try to have a big enough blow-out to last the whole year."

'08.

M. J. Dikeman is just starting in business for himself in Detroit. Mr. Dikeman is manager of the Dikeman Surveyor Co., manufacturers of the automatic surveyor level and stake setter.

'08.

Leroy L. Burrell is located with the horticultural department of the Maryland experiment station, College Park. Mr. Burrell's specialty is small fruits, and he states that he is pleasantly situated and enjoying the work.



## The M. A. C. RECORD

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR BY THE MICHIGAN STATE AGRICULTURAL COLLEGE

B. A. FAUNCE, MANAGING EDITOR

SUBSCRIPTION 50 CENTS PER YEAR

Entered as second-class mail matter at Lansing, Mich.

Address all subscriptions and advertising matter to the M. A. C. RECORD, East Lansing, Mich. Address all contributions to the Managing Editor.

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

Business Office with Lawrence & Van Buren Printing Co., 210-212 Grand Ave. No., Lansing, Mich.

TUESDAY, NOVEMBER 19, 1912

### OHIO STATE.

And now for Ohio State. There is no doubt in the minds of the green and white supporters that M. A. C. can win the last game of the season, with proper support. To this end every effort is being made to arrange for a special train, and a reasonable rate of fare, so that it will be possible for a large number of students to make the trip.

The band has certainly been loyal, and everyone admits that some arrangement should be made which would make it possible for it to go. Contributions are being taken, a Bijou benefit started, and if only the railroad fare can be arranged for, the members will very willingly bear their own expenses while at Columbus.

The band will do much to put the right spirit into the team. Let everybody push this matter and help send the band to O. S. U.

### COLLEGIATE ALUMNÆ ASSOCIATION.

At the recent meeting of the Collegiate Alumnae Association, held in Ann Arbor, there were present representatives from practically all colleges of the country which admit women.

Addresses were made by Presidents Burton, of Smith College; Thomas, of Bryn Mawr; Pendleton, of Wellesley; Woolley, of Mt. Holyoke; Gulliver, of Rockford, and Hutchins and Angell, of the Michigan University.

At this meeting the association carried through a re-organization plan by which will be inaugurated a more liberal policy in the admission of colleges to corporate membership. New colleges to be admitted at this time were Indiana University, Iowa College, Swarthmore, Lawrence, and Mt. Holyoke.

At the dean's conference, some 40 women deans were present. At this session those topics were discussed which relate to the academic work, social life, and residence halls for young women.

Miss Norma Gilchrist attended during the latter part of the week, remaining for the executive board meeting as director of the Lansing branch.

A number of delightful social features was carried out. The members of the association were entertained one day at Ypsilanti and one day at Detroit.

'04.

H. N. Hornbeck and family, of Grand Rapids, will spend the Thanksgiving vacation with M. A. C. friends. Mr. H. is teacher of biology in the union high school of that city.

## THE GRAND RAPIDS TRIP.

Last Tuesday afternoon the Hort. men boarded the P. M. for Grand Rapids. There were about fifty in the bunch, all told, including about ten enterprising juniors. On arriving in Grand Rapids, the men had supper, and then proceeded to the Coliseum where the big apple show was in progress. The building was beautifully decorated, and this, together with the immense display of fruit, mostly apples, made a pleasing effect which will not be quickly forgotten.

M. A. C. had a good sized booth, showing many educational ideas. Mr. O. K. White and Mr. Loree had arranged the exhibit. The most striking exhibit, however, was that of the Western Michigan Development Bureau, and consisted of boxed apples. There were tier after tier of these, covering one side of the big Coliseum. Their perfection and the artistic packing would be hard to equal.

After looking over the show a "rat-a-ta-thrat" was given, and then a good many of the fellows visited at Powers. Next morning it was raining in floods, but everyone hurried to the Coliseum for the judging and identification contest. As the speaking contest was this same forenoon, the men had to leave soon for the church where the horticultural society was holding its meetings. The speakers were seated on the platform, and each one was allowed five minutes and no more. Prof. Eustace introduced each one in the following order:

T. F. Baker—"Top Working Apple Trees."

L. C. Carey—"Boxes or Barrels."

C. C. Carstens—"Pedigreed Trees."

W. Fields—"Baldwin Fruit Spot."

F. Granger—"Needs of Michigan Horticulture."

A. H. Hendrickson—"Evolution of American Grape."

L. H. Hutchins—"Legumes for Cover Crops."

G. A. Leonard—"Three Types of Apple Trees."

R. Loree—"Breeding Apple Trees."

H. Miners—"Red Grape or Downy Mildew."

A. J. Olney—"Varieties for Commercial Orchards."

R. R. Pailthorpe—"The Codling Moth in Packing Houses."

L. T. Pickford—"Thinning Fruit."

H. A. Schuyler—"Business Principles in Horticulture."

I. J. Woodin—"The Sulzer Apple Bill."

One hundred people in the audience acted as a judging committee; each one was provided with a card giving the name and subject of the speaker and a place to grade. A committee then collected the cards and summarized the grades.

The winners of these two contests were: For the fruit identification and judging, Mr. R. E. Loree, of East Lansing, first prize, \$15; second, Mr. F. C. Crawford, of Caseville, \$10; third, Mr. C. B. Olney, Reeman, \$5.

In the speaking contest, Mr. H. Miners, of St. Joseph, captured first prize, \$15; Mr. I. J. Woodin, second prize, \$10, and M. L. M. Hutchins, third prize, \$5.

Most of the bunch remained for

the big banquet Wednesday evening, and also for the trip to Smith's greenhouses Thursday morning, returning to Lansing in the afternoon. The M. A. C. band went over Friday to play at the apple show, and of course to advertise the college in a most efficient way. Among members of the faculty visiting the show and horticultural meetings were Professors Eustace, Taft and Halligan, Secretary and Mrs. Brown, and Messrs. Gunson and White.

### VETERINARY CLINIC.

The veterinary clinic in operation during the present term is proving a great success. Out of 40 scheduled clinic hours, the department has had opportunity to examine, prescribe for, or operate upon 38 different animals.

Among the operations thus far performed are caponizing, hernia, the removal of tumors, etc. One of special interest was that upon a horse, which was known as a "roarer." The operation consisted of the removal of both vocal chords. Indications are that the operation was entirely successful, as the animal's breathing is nearly normal, and he will be discharged very soon.

About one week ago some of the veterinary students picked up a dog on the campus which was evidently suffering from gun shot wounds. The animal was taken to the veterinary department, where he was operated upon, the wounds dressed, and is now fully recovered. The dog is a fine specimen of black and tan collie, and will doubtless be claimed soon. He awaits his owner at the veterinary building.

### MICHIGAN BREEDERS' ASSOCIATION.

The officers of the executive committee of the Michigan Improved Live Stock Breeders' and Feeders' Association met at the college Thursday of last week, to perfect arrangements for the coming meeting. The dates set for the 22d annual meeting, which will be held at M. A. C., are January 15 and 16, 1913. The speakers which have been secured are: Mr. Densmore, of the American Percheron Registry Association; Prof. W. C. Coffee, of the University of Illinois, and B. H. Hall, chief inspector of the Dairy Division, U. S. Department of Agriculture.

A new feature of the Association meeting this winter will be a fat hog show. The aim is to have all breeds represented, and to have two classes for each. One of these will be for hogs under 200 pounds in weight, and the other for those weighing more than 200 and under 250. The winners in each breed will be awarded ribbon badges. All hogs will be slaughtered and the carcasses judged. Three prizes are to be awarded to the winners. Medals will be given winners in first and second classes.

The annual banquet is to be held on Wednesday night, Jan. 15.

Those in attendance at this meeting were: Pres. R. C. Reed, of Howell, Sec. George Brown, M. A. C., Treas. C. S. Bartlett, of Portland, W. H. Schantz, of Hastings, T. F. Marston, Bay City, and H. H. Hinds, of Stanton.

## HORTICULTURAL SOCIETY MEETING AT GRAND RAPIDS.

The forty-second annual meeting of the Michigan State Horticultural Society was held at Grand Rapids on November 12th, 13th and 14th. The meeting was held this year nearly a month ahead of the usual time, that it might come at the same time as the second annual Michigan Land and Apple Show, which was held in Grand Rapids that week, under the auspices of the Northwestern Development Bureau and the Grand Rapids Board of Trade. It is possible that the attendance at the meeting was a little less because of the early date that it was held, as a great many fruit growers had not finished their fall work and were unable to get away, especially as the weather was favorable for outdoor work. However, the attendance was very good and the program was an exceptionally interesting one. The exhibits at the Land and Apple Show were very large and complete, and gave many people a new conception of what Michigan can do in apple growing.

A number of the college people appeared on the program of the Horticultural Society meeting—Professor C. P. Halligan, Professor R. H. Pettit, A. J. Patten, O. K. White, H. J. Eustace.

Wednesday morning, the junior and senior students in horticulture competed for the society prize, offered annually to the students for skill in identifying and judging varieties and collections of fruit. A large number of varieties were placed upon a table for identification, then several collections of varieties to be scored, and then plates of five apples to be scored and judged. Following this contest, fifteen senior students who were selected by their classmates to compete in the speaking contest before the Horticultural Society, gave five minute talks.

There was the usual number of M. A. C. alumni at the meeting, and the annual banquet held on Wednesday evening, served by the St. Cecilia Society, and presided over by Hon. C. W. Garfield as toastmaster, was one of the very best ever held by the Society. A number of college men were called upon for toasts including Mr. A. H. Hendrickson, of the senior class.

### Y. M. C. A. NOTES.

D. L. Hagerman gave a splendid talk last Thursday night, on "Modern Proverbs."

B. B. Johnson, traveling secretary of the Y. M. C. A., spoke last night at the union meeting.

M. V. McGill will lead next Thursday night.

Sec. Miller, from the Lansing Y. M. C. A., will speak next Sunday night.

Members of the Bible classes will please remember the banquet to be given for them on Thursday evening after Thanksgiving.

The Y. M. C. A. has an orchestra now. It added wonderfully to the richness of the meeting last Thursday night. There was a good attendance also, every seat being full, and a dozen fellows were obliged to sit on the tables.



## ROBERT SMITH PRINTING CO.

OUR FACILITIES ARE COMPLETE FOR  
**DESIGNING - ENGRAVING - PRINTING - BINDING**  
**CLASS PUBLICATIONS AND COLLEGE ANNUALS**

We carry everything in the line of  
**Announcements, Programs, Invitations, Etc.**

We specialize on individual orders for  
 Fine Stationery—embossed or printed

**LANSING, - MICHIGAN**

THE MILLS STORE THE HEART OF LANSING THE MILLS STORE

## We are Showing

The Largest and Best Assortment of Novelties in  
**Neckwear, Fancy Jewelry, Gloves, Hosiery, Etc.**

A cordial invitation is extended to the College  
 people to pay us a visit.

**The Mills Dry Goods Co.**

**A**LLOW US the pleasure of showing you  
 the finest collection of Ladies' and Gentle-  
 men's Furnishings ever brought to Lansing.  
 We specialize in furnishings for College  
 trade. Always find the latest in Sweaters,  
 Mackinaws, Rain Coats, Caps, Hats, Shirts  
 and Neckwear at

**MIFFLIN'S**

## Do You Want

Pair Shears  
 Knife  
 Safety Razor—  
 Gillette, Auto Strop,  
 Ever-Ready and Enders  
 to select from

Hones and Strops  
 Saws  
 Hammers  
 Hatchets  
 Chisels  
 Screw Drivers

In fact, anything you need in  
 hardware you will find—and  
 at prices to suit—at

**Norton's Hardware**

EVERY KIND OF  
**FURNITURE**  
 FOR YOUR ROOM

**Cots Folding Beds**  
**Matresses**  
**Book Cases Desks**

ALL GOODS DELIVERED FREE

**M. J. & B. M. BUGK**

## ABOUT THE CAMPUS

The all-freshmen-Mt. Pleasant game for Friday was called off by the Normal, on account of a heavy field.

The poultry department is offering a number of cockerels for sale of different breeds, ranging in price from \$2 to \$10 each.

Mr. D. A. Seeley will address the Hort. Club Wednesday evening at 6:30, on the subject, "The Relation of the Weather Bureau to Horticulture."

H. T. Ross, '04, of Milford, Ward Shedd, '02, of Rockford, Ill., Brainard, '11, Barrows, '12, and Ellsworth, '04, were among M. A. C. men to see the big ball game Saturday.

Prof. Jeffery addresses a grange meeting at Nunica Thursday; a botanical class in the Grand Rapids H. S. Friday, on Saturday he will examine the muck soils near Decatur and attend a land show at that place, and on Sunday evening addresses the civic league of the Congregational church at Olivet.

Through the efforts of Mr. Mills, of the Mills Dry Goods Co., an instructive moving picture show will be given at the Gladmere, Friday of this week, at 3:30 and 8:00 p. m. Hundreds of feet of films will be used to illustrate the steps in the manufacture of laces, hosiery, etc., and the pictures will be of special interest to the young women of M. A. C. Those wishing to take advantage of this entertainment will call at the Mills Store, where tickets can be procured.

Prof. and Mrs. Vedder gave a dinner to the members of the Civil Engineering teaching force on Thursday evening of last week.

The department of zoology has recently purchased a new calorimeter, which is being used to advantage in the work of human nutrition.

Miss Gertrude Babcock was called to Rochester, Minn., Friday morning on account of the serious condition of her father, Prof. Babcock. Prof. Anderson accompanied her.

"The Perkinses" is the title of a booklet on sale at the book store. The author of the work is Grace B. Porter, who has also written a number of child story books. Mrs. Porter is now occupying rooms at Mrs. Bird's.

C. M. Hargrave, former instructor in chemistry at M. A. C., has recently accepted a position with the big Prest-O-Lite Co., of Indianapolis, Ind., and has charge of one of their laboratories. Mr. H. states that with O. H. Skinner, Rork and Burt, of M. A. C., all with the same company, he already feels quite at home.

The Delta reception to the faculty members was attended by some 100 persons, and a most enjoyable evening was spent. Prof. Huston and Mr. Morse sang several solos. Mr. Mitchell, of the English department, gave a couple of readings, which were well received, and Miss Bemis furnished excellent violin music. Refreshments were served.

Miss Berg, of Milwaukee, who has been visiting her cousin, Mrs. Polson, for several weeks, returned to her home this week.

Several new poultry associations are to be formed in the near future. One of these will be at Alpena, as the result of the efforts of H. G. Smith, county agriculturist.

Dr. Giltner will attend the U. S. Sanitary Live Stock Association meeting, to be held in Chicago soon, in connection with which is held the American Association of State and Professional Veterinarians.

At a meeting of the local veterinary association, held Tuesday evening, Mr. B. Kurtz read a paper on "Sterility of Cattle." E. F. Moran talked on current events, wherein he presented some interesting facts in connection with the recent malady of horses in Kansas.

"Century One of Seeds of Michigan Weeds" has been prepared, and should prove of great value. The collection consists of 100 varieties of weed seeds, put up in vials, properly labeled, and enclosed in a neat pasteboard compartment box. A number of such collections will be prepared as soon as the necessary material arrives, and these will be sold (at cost) only to agricultural high schools. A printed list is given on the inside of the cover, each group under its family name, and both latin and common name being given each. In another year or two it is planned to issue a second set of 100 more kinds of seeds.

Misses Flora Bates and Grace Ellis, both '11, called on college friends the past week, while attending the big convention in Lansing.

Under the auspices of the Sunday school East Lansing, a supper was given at the People's church Friday evening, after which a stereopticon show was given in the chapel.

Student social functions held last week were: New York Club, in the Agr. Building, and Sororian party in the Armory on Friday evening; the Phylean party in the Agr. Building Saturday evening.

A most excellent folder has come to our desk setting forth "The Possibilities of the Missouri Hen." The folder, which is published by the Wabash Rv. Co., is the work of our old friend Harry Kempster, of the Missouri University.

B. T. Halstead, '73, a prominent Petoskey attorney, was in Lansing the past week. Mr. H., while on the campus, visited the big class stone, where he reverently called his class roll. Of the 15 members, three have passed to the great beyond.

Dean Bissell's October directory of graduates and former students of engineering is now being distributed among those likely to be interested. There are quite a number of changes noted when compared with the April directory. The keeping of this list up to date is certainly of great value, not only to the department, but to students and graduates as well.



## Everybody reads THE STATE JOURNAL

### BECAUSE

It completely covers the field of local news, politics, and the world of sports.

Because its telegraph and correspondence service enable it to give its readers the latest general news of the day in advance of any other newspaper coming into Lansing.

Have THE STATE JOURNAL delivered to your home by carrier

### HERE'S TO OVIATT.

From the Laramie (Wyoming) *Republican*:

"Last June, Prof. C. J. Oviatt, who was then assistant wool investigator at the experiment farm, prepared a bulletin entitled, 'A comparison of Sheep Branding Paints.' A package of the bulletins was sent to the National Warehouse and Storage Co., at Chicago. The Agricultural College is in receipt of the following message from this company, which is highly complimentary to Mr. Oviatt: 'We write to inquire whether you would be willing to furnish us, at our expense, seven thousand of these bulletins. As we wrote you previously, we have a forthcoming letter in our series of an educational nature, bearing upon the use of insoluble paint. In this letter we will urge upon the growers the branding of their sheep twice a year, and the use of a fluid which is soluble in ordinary scouring liquid. We believe the use of your bulletin will be of the utmost assistance in impressing upon the growers the fact that ordinary paint does not scour out, and must therefore be clipped from the wool.'"

### ABOUT THE CAMPUS

A large import order of glassware from Germany has just been received for the department of botany.

By recent board action, the Ionian literary society was granted the use of the rooms formerly occupied by the Aureans.

Field Agent Raven is in the upper peninsula, where he is aiding in the organization of pure bred stock associations.

Prof. Barrows attended the meeting of the American Ornithologist Union, held at Cambridge, Mass., Nov. 11 to 14.

Mrs. Landon was called to her old home in Niles on Wednesday of last week, on account of the serious illness of her mother.

G. W. Dewey, '11, was a college visitor the past week. Mr. Dewey is with the Bureau of Plant Industry, Dept. of Agriculture.

Prof. Shoesmith visited Wixom, Milford, Ypsilanti and Pinckney last week, in the interests of Granges and Corn Growing Association.

M. A. C. won from Alma Saturday in the cross country run, the score standing 31 to 25. Alma's colored athlete, Cooper, finished the 3½ miles in 22:44, Rosen, of M. A. C., crossing the line 11 seconds later.

The poultry department recently shipped a pen of Wyandottes to Dr. Stocker, of Brimley, who became interested in poultry husbandry when the exhibition train recently made the trip through the upper peninsula.

The second snow storm of the season visited M. A. C. on Thursday morning of last week, although not in such quantities as the first.

The men's class of the People's church are making extensive plans for the winter. Studies are being made of social and moral problems, and some instructive and interesting meetings will be held.

Prof. and Mrs. Sawyer entertained Thursday evening for the members of the physics and electrical engineering departments and their wives. A most enjoyable evening was spent with cards, the professor winning some honors. It is a rather significant fact that every member of the teaching force in these departments is married, and further that the wives of all were present.

Prof. Kunze's class in metallurgy visited the plant of the Atlas Drop Forge Works in Lansing last Tuesday afternoon. Mr. A. B. Stuart, '12, who is assistant to the superintendent, carefully explained the entire process of manufacturing drop forgings, from the working of the dies and tools to the various methods of production. The several types of hammers, presses, and other equipment were also studied.

'89.

Frank M. Paine, the leading florist of Northern Michigan, visited M. A. C. last week for the first time in several years, and was almost lost when arriving on the campus. Mr. Paine was a delegate to the State S. S. Convention.

'97.

H. W. Hart is traveling for the Wells & Richardson Co., of Burlington, Vermont, and is the district representative for his company in Michigan. Mr. Newman had a short visit with him recently, on a railroad train. Mr. Hart's home address is Belding.

'00.

Clare H. Parker, president and manager of Parker Dairy Co., of Saginaw, was a college visitor the past week, while in attendance at the State S. S. Convention. Parker was a member of the "Big 4" when in college, and was active in the purchase of the class monument—the drinking fountain.

'05.

Harry Oven, a prominent seed man of Owosso, was a college visitor the past week.

'09.

Roy Hoopingarner is the efficient county agriculturist of Iron county, with headquarters at Crystal Falls. Mr. H. enjoys his new work immensely, and is very enthusiastic over the agricultural possibilities of the north.

'10.

A. H. Sargeant was at M. A. C. for the Sororian party Friday evening, and visited at the home of Miss Gibson on Larch St., over Sunday.

EVERY reader of the M. A. C. Record is cordially invited to visit our store, use our rest room, telephone, and our mail order department by writing for samples or ordering merchandise; money refunded whenever you are not pleased.

### New Silks and Dress Goods Much Under Price.

\$1.25 Storm Serge, 54 and 56 inches wide; heavy quality. Special, the yard... **\$1.00**  
\$1.50, \$1.75 and \$2.00 qualities of Dress Goods and Suitings, 54 inches wide. Sample pieces, yard... **\$1.25**

\$1.25 Princess Messaline, full yard wide; all colors. Special the yard... **98c**  
\$1.25 rich, heavy, plain Satin Faille, 8 sample half pieces; new fall colors. It wears... **75c**

### J. W. KNAPP CO.

Cloaks, Suits, Furs, Ladies' and Gents' Furnishings, Dry Goods, House Furnishings, and an immense 5c and 10c store.

### Lawrence & Van Buren Printing Company

210-212 Grand Ave. North



### Lilley College Uniforms

Are the acknowledged standard for military schools, and are worn at all the leading colleges everywhere. They are more attractive in appearance and give better service than any other make of college uniform.

Write for catalog. Address

The M. C. Lilley & Co.  
Columbus, Ohio

### THE RIPLEY & GRAY PRINTING COMPANY

Engravers Printers Stationers  
LANSING, MICHIGAN

### 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.

COLLEGE BARBER SHOP.—In Bath House. Andy is still with M. A. C. A handy parlor, and good work done.

NEW BARBER SHOP, in Chase Building, under Bauer's Drug and Grocery Store. If you wish a stylish hair cut give us a call. E. E. Reynolds, Prop.

#### BOOKS AND STATIONERY.

A. M. EMERY, 116 Wash. Ave. N. Books. Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames. Fine Framing a Specialty. Up-to-date styles. Cut Glass—cut in Lansing.

#### BOOK BINDERS.

BLUDEAU & SIEBERT.—Bookbinders, account book makers, paper ruling, library and fine art bindings, file boxes, map mountings, albums, pocket books, etc. Citizens' phone No. 489. In City National Bank Building. Geo. G. Bludeau and Henry H. Siebert.

#### CLOTHING.

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

#### CROCKERY AND GLASSWARE.

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

#### DENTISTS.

N. H. MOORE, D. D. S. Office 411-413 Hollister Building, Lansing, Mich. Bell phone 380-J; Citizens Automatic 3904.

D. E. PARMELEE, Dentist, 117½ Washington Ave. S., Lansing, Michigan. Automatic phone, office 3402; residence, 3403.

J. E. STOFFER, D. D. S. Office 208-5 City National Bank Bldg. Automatic phone 561; Bell phone 61. Former M. A. C. student.

#### DRUGGISTS.

ROUSER'S CAPITAL DRUG STORE. Up to date. Corner store. Opposite Hollister Block.

COLLEGE DRUG AND GROCERY CO.—Express office. Agency Star Laundry.

#### DRY GOODS.

J. W. KNAPP CO.—Dry Goods and Furnishings. 220-224 Washington Ave. So.

MILLS DRY GOODS CO.—Dry Goods Suits, Coats, Waists, Art Needle Work, Etc. 108-110 Washington Ave. South.

#### ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC ENGINEERING CO.—Full line of Electrical Supplies, including students' shades and cords, carbon, tantalum and mazda reading lamps. 117 E. Michigan Ave.

#### FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Corner Washington Ave. and Ionia Street. See ad.

#### HARDWARE, STOVES & TINWARE.

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

#### MANUFACTURING AND HAIRDRESSING.

MRS. O. T. CASE.—Manufacturing, Shampooing & Hairdressing Parlors. Switches made of cut hair or combs, also colored and renovated to look as good as new. The Franco-American Hygienic Toilet Requisites a SPECIALTY. Automatic phone 551. 220½ Washington Ave. S.

#### MUSICAL INSTRUMENTS.

GRINNELL BROS.—"Michigan's Leading Music House." High Grade Pianos and Player Pianos. Easy Terms. Pianos to Rent—Year's Rental out on Purchase. Everything in the Realm of Music. LANSING STORE: 219 N. Washington Ave.

#### PHYSICIANS.

DR. OSCAR H. BRUEGEL.—Cor. Mich. Ave. and Grand River Ave., East Lansing. Hours: 7 to 8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sundays, 12 to 1 and 5 to 6 p. m. Citizens phone 1344; Bell 625.

DR. H. W. LANDON, East Lansing, Mich. Office hours: 7 to 8:30 a. m., 12:30 to 2 and 6:30 to 8 p. m. Sundays, 10 to 11:30 a. m., 7 to 8 p. m. Citizens' phone 9228.

EYE, EAR, NOSE AND THROAT.—Dr. J. S. Owen, 115 W. Allegan St., Lansing. Citizens phone 473.

#### PRINTING.

LAWRENCE & VAN BUREN PRINTING CO.—210-212 Grand Avenue North. Fine Printing. Both Phones.

ALLEN PRINTING CO.—Corner Capitol Avenue and Ionia Street. Printing. Office Supplies. Engraved Cards, Programs, Macey Goods. Bell phone 1094. Automatic phone 4006. Remember our new location.

ROBERT SMITH PTG. CO.—Cor. Washington Ave. and Ionia St.

#### UNIFORMS.

THE M. C. LILLEY & CO., Columbus, Ohio.—Manufacturers of Military and Society Goods.