

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 15.

LANSING, MICHIGAN, TUESDAY, JANUARY 18, 1910.

No. 16.

## LIVE STOCK ASSOCIATION.

The new Agricultural Building took its initial step Wednesday and Thursday of last week in becoming a mecca for scientific extension along the lines of agriculture, the Michigan Improved Live Stock Breeders' and Feeders' Association being the first to hold its sessions there. This was the nineteenth annual meeting of the Stock Breeders' Association, and from the mention that was so often given the work of the college and experiment station in the various sections which met on the first day it was not hard to surmise that the effect of a large auditorium, such as that on the fourth floor of the new building will be to aid very materially in bringing the people of the state and the work of the college into more familiar relations.

The Michigan Improved Live Stock Breeders' and Feeders' Association is composed of eleven different associations each formed for the furthering and protection of its specific breed of livestock. Separate sessions were held by each in different rooms of the new building on the first day of the meeting while the topics of general interest were reserved for the general session of the second day.

The sections convened at 2 p. m. in the rooms allotted on a bulletin board placed near the entrance. After these meetings were over an informal reception was extended the general association by the faculty and purple membership ribbons were given out. The annual luncheon, which closed the day's ceremonies, was then served in the Women's Building.

The program of the second day was a very valuable one to those interested in stock. President E. N. Ball, '82, of Ann Arbor, was ill and could not be present. Dean Shaw, vice president, called the meeting to order and made a request that someone be chosen to hold the chair as he could be of more service outside. Mr. Robert Gibbons, who was president of the association last year, was chosen. Secretary A. C. Anderson read President Ball's address which dealt with many of the general problems of the farmer.

He mentioned the need of a bureau of crop statistics and said that the secretary of the State Board of Agriculture should be head of that bureau. He spoke very complimentary of the college extension work that was being carried on.

Secretary Anderson then read the minutes of the last meeting. After the minutes were read Dr. H. M. Reynolds, professor of veterinary medicine in the University of Minnesota, discussed the subject of "Sanitation in Relation to the Live Stock Industry." Not knowing of the existence of a sanitary board in this state he took up the necessity of such a one first. He discussed the workings of the board in Minnesota, and showed how effective it had been in preventing the spread of diseases among animals in that state. He advised that the board

be composed of five members appointed by the governor, that they receive no compensation except to defray the expenses incurred, that three of them be practical stock men, and at least one other be a competent veterinarian. One should be a member ex officio of the experiment station. This board should not be expected to do any research work, and should act only in the capacity of live stock police. It should constitute a small central machine with full authority over the entire sanitary conditions of the live stock of the whole state. There should be a law making it compulsory for each individual of the state to report cases of diseased animals to the local health officer, who is also a part of the machine making for better sanitary conditions. In cases the animal is found with a dreaded contagious disease it is first appraised and then destroyed. Three-fourths of the appraised value is paid the owner out of the state treasury funds. In the case of cattle, the state of Minnesota pays the owner three-fourths the difference between the appraised value and the value of the carcass, which is returned after being slaughtered.

An example of the effectiveness of this board in Minnesota is the cases of glanders among the horses in the city of St. Paul. In 1907 the local health officers reported 102 cases. In 1909 they reported only two cases. Tuberculosis among cattle is being very effectively controlled by the board.

Dr. Reynolds advised a tuberculin test license for the sale of milk in the cities.

Dr. C. E. Marshall spoke at length upon the subject of "Milk," how it was secreted, etc. He presented diagrams of milk productiveness of various cows through different periods, the proportion of butter fat, casien solids, etc., to each other and told many things about milk that were of interest to everyone present.

The meeting adjourned at 12:30 and visiting members were invited to take dinner at one of the boarding clubs.

In the afternoon Dr. G. A. Waterman, who will be here during the short course, gave an address and demonstration on "The Why of the Horse." He showed plainly the differences between draft and coach horses, the qualities to choose and breed for and why. He used a model which showed the general make-up of a horse and which illustrated very fitly the "why of the horse."

Dean Shaw then spoke upon the "Problems in Beef Production." He limited his discussion to the State of Michigan and also to the more serious phases of the problems, omitting those that had "grown old," so to speak.

With '03.

John B. Strange, with '03, is occupied in swine and Holstein breeding near Grand Ledge, Mich.

## PROMENADE CONCERT.

The first promenade concert of the year was given by the band last Saturday evening. Notwithstanding the fact that a number of other events were scheduled for the same evening, a large audience was present at the armory to enjoy the concert and dance numbers rendered by the band.

The band this year is especially strong. Arrangements have been made to appoint four seniors to the band each year, these senior members being on the same basis as the senior officers of the regiment. The seniors appointed for this year are: E. A. Hallock, C. G. Clippert, C. L. Hodgman, and Gordon Cavanagh.

Another promenade will be given by the band about March 4th, and a regular dance, such as was given last year, is being considered for the near future.

The sacred concert will be made an annual event, and this will be given probably the last Sunday afternoon of this term.

## DAIRY ASSOCIATION AT DETROIT.

The state association will meet in Detroit Feb. 1-4. The first two days will be given up to practical talks on butter making. The third will be in charge of the milk producers, while the last day will be devoted to the study of cheese making. There will be many kinds of machinery exhibits, and many other things of great value to the dairymen. The exhibit and talks will be held in the Wayne casino at the foot of Third street. The dairy department hopes to make arrangements to take the entire body of short course creamery students and instructing force to that meeting.

## STATE EDUCATIONAL SCORING CONTEST.

The monthly state educational butter scoring contest was held at the college Saturday, Jan. 15th. This contest is in charge of the State Dairy and Food Department and is usually held at the Booth Cold Storage in Detroit. For educational purposes, in connection with the short course creamery work, Deputy Commissioner Colon C. Lillie kindly consented to hold the contest at the Dairy Building.

About forty tubs of butter and three cheeses were scored. The highest score for butter was 95 and for cheese 92½. Mr. H. J. Credicott, government inspector on the Chicago market, and Mr. Claude Grove, of the state dairy and food department, did the scoring. Mr. Credicott gave some very valuable instructions to the short course men during the contest, which made it of very much practical benefit to the creamery students.

'98.

E. A. Calkins, '98, is doing civil engineering work at Mason, Mich.

## ALUMNI

'74.

Judge Wm. L. Carpenter, '74, member of the State Board of Agriculture, is spending a short time in Florida.

'84.

Colon C. Lillie, '84, attended the institute meeting at the college last week.

'92.

S. C. Brooks, '92, is with the Boston navy yard in charge of the electrical work.

With '98.

R. J. Robb, with '98, is county surveyor of Ingham Co.

With '00.

Dewey C. Pierson, with '00, of Hadley, Michigan, attended the Live Stock Association last week. He is breeding pure bred Holstein cattle.

'01.

C. P. Reed is running a fruit and dairy farm at Howell.

J. G. Palmer, '05, is breeding Percheron horses at Belding.

Professor H. J. Eustace gave an address at Hillsdale, Saturday, before the farmers short course.

'04.

C. L. Brody, '04, is on the home farm near Three Rivers, Mich.

G. S. McMullen, '04, is making a specialty of pure bred Duroc Jersey hogs near Grand Ledge, Mich.

W. F. Millar, '04, is in charge of the construction of a railroad in Montana.

'05.

Joel G. Palmer, '05, is managing a stock farm near Ionia. He was secretary of the Michigan Horse Breeders' Association held here last week.

Clyde I. Auten, '05, is the happy father of a new girl. He is city engineer at Flint, Mich., and connected with the Osborne Engineering Co. Mrs. Auten is remembered as Miss Bessie Phillips, '05. Mr. Auten attended the engineers' meeting here Wednesday.

George R. Tryman, '05, civil, is with the Osborne Engineering Co. at Flint.

'06.

Miss Gertrude Peters, '06, paid the college a visit a short time ago. She is teaching in the state normal of Minnesota at Moorehead. She received her master's degree at Columbia University last year.

'07.

R. V. Tanner, '07, is on a United States forest range in Montana.

E. C. Fowler, '07, who has been connected with the Massachusetts Agricultural College, is now traveling for a manufacturing concern selling acetylene lights. He visited the college Monday.



## The M. A. C. RECORD

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TUESDAY, JAN. 18, 1910.

### M. A. C. INTER-SOCIETY ORATORICAL CONTEST.

The annual inter-society oratorical contest will be held in the armory Friday evening, January 23. Five literary societies have entered contestants, and several independents have signaled their intention of entering. The winner of this event will represent M. A. C. at the state oratorical contest to be held here March 4.

This year's contestants represent some of the best talent in college, and an unusual amount of interest is being shown. Every loyal college man should help to make this a success by attending the contest.

### ENGINEERING SOCIETY HOLDS MEETING.

On Wednesday afternoon and simultaneous with the first session of the Breeders' Association the Michigan State Engineering Society met in the physics lecture room of the Engineering Building. The meeting was called to order at 2 p. m., and was addressed by Mr. John Robins Allen, professor of mechanical engineering in the University of Michigan. He talked upon the people and country of Durango, Mexico, and illustrated his lecture with stereoptical views, which were taken during a trip through that state. Mr. Allen spoke in an ordinary conversational tone, and described the situations so clearly that the audience felt that they themselves were going through this strange, far-away land, and experiencing the trials and queer situations of real mountain travel.

A majority of the pictures were from native Indian life. The Indians of this country are the direct descendants of the Aztecs, the only civilized people of America previous to its discovery. Owing to the lack of methods of transportation and the ruggedness of the country these people are poorly fed and education is not thought of. Homes are of the most primitive type and everything abounds in squalor. In the face of this however, they are absolutely honest and never touch whiskey. The country of Durango is very rich in minerals, one mountain alone containing enough iron to last the United States for fifty years at its present rate of consumption. The talk was interesting from beginning to end.

After the meeting was dismissed the visitors were shown around the campus, and about the shops by students in the Engineering Department.

The other sessions were held in the Senate Chamber of the State Capitol.

### HORTICULTURAL CLUB.

The opening meeting of the Hort. Club for this term was called to order Wednesday evening by the new president, Mr. J. P. Miller. It was the largest in attendance of any meeting this year, and probably the largest in the history of the club, over 100 being present. This large number is due in part to the Short Course students. The speaker was Mr. T. A. Farrand, of Eaton Rapids, Mich., who was at one time connected with the South Haven Experiment Station, and is at present Vice President of the Michigan State Horticultural Society. He took for his subject "The Renting and Renovating of Apple Orchards."

According to Mr. Farrand, the apple orchard is one of Michigan's greatest natural resources. There are orchards all over the state waiting for some one to put them on a firm paying basis. If conducted in the right way they will pay better than any farm crop. Michigan apples have already outstripped all the Western fruits in quality and flavor. All we need now, are the right men and proper methods of packing.

There are two benefits to be derived from renovating old orchards. First, it uplifts the apple industry of the whole state, by placing the orchards on a good paying basis, and by teaching the people the value of caring for them. In the second place, it is a good financial investment to the person who rents the orchard and does the work. Mr. Farrand illustrated this latter statement with numerous instances from his own experience in renting orchards.

He does not advise renting by shares. He makes a contract for a term of years at from 25c. to 50c. per tree per year, depending on the varieties, condition of trees, and location of orchard. He always gets as many orchards in a locality as possible, so that it will pay to get a power sprayer.

The first thing to be done in renovating such orchards is to prune the trees, cutting out especially all the dead wood. The only other operation which Mr. Farrand has performed so far is to thoroughly spray the trees, giving about four applications per year, at the times stated in all bulletins on the subject. He is satisfied however, that cultivation and application of fertilizers would amply repay him.

When asked what varieties he would rather find in a rented orchard, Mr. Farrand replied, "Northern Spy, Red Canada, Baldwin, King, Greening and Wagner."

This renting of orchards has passed beyond the experimental stage. It has been proven that there are large incomes from such kind of work. The talk by Mr. Farrand was very interesting since he has had an unusually large experience in this business.

At the close of the talk, Grimes Golden apples were served and a short history and description of them given by Mr. L. E. Babcock. After this the club gave a rising vote of thanks to Mr. Farrand and adjourned.

Mr. O. K. White will address the members of the extension course at Hillsdale, Saturday, on the subject of "Orchard Culture."

### DEPARTMENT OF ANIMAL HUSBANDRY.

Within the past year several additions have been made to the herds and flocks. At the present time the flocks of sheep and herds of swine possess many high class individuals. The aim at the present time is not to maintain a large number of animals, but rather a few typical representatives of all the leading breeds. With this end in view, all of the grade cattle and sheep have been disposed of.

The herd of beef cattle numbers about 50 head, and contains representatives of the Shorthorn, Hereford and Aberdeen Angus breeds. The Shorthorn herd now numbers 30 head, four very choice heifers having been purchased from Mr. H. B. Peters of Burton and one from Mr. A. E. Stevenson of Port Huron. In addition to the breeding herd six steers are maintained, two of them being in high condition and used in demonstration work to represent the finished or market steer. The other four are younger and not in as high condition, being used to demonstrate the best type of feeding steer. Four Hereford steers are also maintained for the same purposes. The finished steers will be slaughtered by the senior class and used in meat demonstration work, while the feeding steers will be fed for a year and used for demonstration work as finished steers next year.

The Aberdeen Angus herd was increased during the past summer, by the purchase of two fine cows and calves from the herd of Mr. James Browman, of Guelph, Ont., and now contains eight head of high class individuals. The Herefords are represented by two high class individuals.

The college flock has been greatly reduced during the past fall by the disposal of the grade ewes which had been used for experimental purposes. At present the flock contains 150 head, representing seven different breeds. The Hampshire, Shropshire, Oxford and Rambouillet flocks contain fifteen ewes each, and are being fed experimentally. Five ewes of each breed receive no succulent feed at all, five silage as a succulent factor, and five roots as a succulent factor, an accurate record of feed consumed, weight and gain of ewes and also of the weight and gain of lambs is being kept, to determine the value of a succulent factor in the ration and the relative value of roots and silage as such. The Cotswold flock contains eight very choice ewes and a ram, recently purchased of Lewis brothers of Camp Point, Illinois.

The Dorset flock consists of ten head of high class ewes, that could not be duplicated in Michigan, headed by a prize-winning ram recently purchased of Mr. George C. Woodman, of Bennington.

The Southdown breed is represented by three ewes and a prize-winning ram from the flock of Mr. Nate Edmonds & Son, of Hastings, Mich.

In addition to the ewe flocks, about forty ewe lambs are being retained. The better individuals of this flock will be kept as breeding ewes next fall, many of the older ewes and those not of the best individuality being disposed of to make room for the younger stock. In

this way the high standard of excellence is maintained. Each year finds a surplus of stock on hand which is disposed of to neighboring farmers. Many small flocks and herds of pure bred stock have been founded by the purchase of breeding animals from the college in the last few years.

### ANOTHER STAR IN OUR CROWN.

One of the most hotly contested games ever played on the local floor was played last Friday evening between the home team and the Spalding team from Detroit. The visiting team is one of the champion teams of the state, and had been in practice some two months, but we put another plum into our pockets at a score of 20 to 18.

The first half looked a little bad for us when it ended with a score of 14 to 12 against us. Every man had been playing hard and fast, and team work showed up well, but the visitors appeared too fast and showed superior wind. At throwing for baskets both teams were about evenly matched.

The second half started poorly with the visitors. The same magic that had won so many baskets at the north goal kept up through the second half when sides had changed. Our guards did splendidly, defending their position for fully 20 minutes during the second half. The game was characterized with cleanliness all the way through. Mr. Brewer refereed both halves.

The interclass games are arousing a great deal of interest this year. All four classes have strong teams and splendid material is showing up. The contests last Friday night were held between juniors and sophomores, the juniors defeating the sophomores 26 to 13, and the seniors and freshmen, the seniors winning on a score of 22 to 20.

POSITION.	BASKETS.
Busch, I. f.	Barnette, 3
Barnette, r. f.	Busch, 2.
Campbell, c.	Hanish, 1.
Hanish, r. g.	
Chamberlain, I. c.	

### FARMERS' CLUB.

The first meeting of the club for the winter term was held Tuesday, January 11, in the Ag. building. The new officers assumed their duties: Bob Taylor wielding the gavel, Jimmy Hays taking minutes in the big book, and Herm. Knoblauch carrying the money bag.

The speakers of the evening were Bert Shedd and A. H. Perrine. Together they handled very creditably the subject "Corn." The discussion which followed their talks was interesting and instructive.

The Farmers' Club promises to have a very good season. A large room (probably No. 207) in the new Ag. building will be given to the club for a permanent meeting place. A program committee consisting of J. A. Waldron, A. H. Perrine and S. D. Langdon has been appointed. Turn out and see what they have arranged. Short course men are especially invited.

Every Tuesday evening at 6:30.

On Wednesday of this week Professor Anderson will give an address in the agricultural extension course at North Adams.



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COLLEGE BUS HEADQUARTERS

## ABOUT THE CAMPUS

The Zoological Department has purchased six new Spencer microscopes.

The elevator in the New Agricultural Building is now under construction.

Dr. Blaisdell has moved his office into those rooms formerly occupied by Dr. Hedrick.

The department of history and economics has moved into the new agricultural building.

Prof. Kedzie is using the quarters in the Veterinary Building, which were vacated by Prof. Patten, for a chemical laboratory.

Mr. Leo M. Watson, instructor in drawing in 1907 is now at Oak Park, Illinois, instructing in drawing and manual training.

One of the "smoothest" things ever in operation at M. A. C. is a little device in the entomology lecture room. It is one of Prof. Pettit's cute ideas. The lecturer first comes into the room before a student audience and stops near the center in front. Of course the audience expects him to say something, but he merely stands with his hands behind him and without being noticed turns a little button in the wall. The first thing you know the room which was perfectly light before is now quite dark. A screen which lowers from above is let down and another button turned which turns on a light in the stereopticon. The lecturer then proceeds to say something about bugs.

The engines and farm implements for the farm engineering laboratory are being installed this week.

Mr. Ernest Roller entertained his brother and Mr. Haus of Central Illinois one day last week. They came to investigate Reo automobiles.

Mr. McPherson lectured to the Women's Club of Lansing last Friday afternoon on the effect of the crowding of children in crowded districts.

There will be no meeting of the Foresters' Club Tuesday night. Dr. Hall, of the State Sanitarium at Howell, will address the club Wednesday at 1 p. m., room 3, dairy building, on "First Aids to the Injured," with practical demonstrations. All welcome.

Mrs. J. Fred Baker entertained the senior foresters Thursday night at a six course dinner. There were thirteen at the table, or rather three small tables; it was the thirteenth day and the thirteenth month, as one of the boys said, "A Baker's dozen." By a system of progressive courses the guests were kept changing tables so that, as the hostess explained, she might get acquainted with them all. Hank Gillson, who came late, didn't get this explanation, and thought the changing places was part of a competitive eating contest. They had to call him off. After an evening at cards, the boys went jollily homeward, feeling that Prof. and Mrs. Baker are the best of entertainers.

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

#### "ATHLETIC STUNTS."

It is planned to hold a series of athletic stunts, or performances, every Saturday night this term, in the pavilion of the new agricultural building. These programs begin at 6:30 and last for an hour or two. Athletic stunts of all kinds will be indulged in, such as boxing, wrestling, tumbling and anything of the sort that may be suggested.

The first one was held last Saturday night, Jan. 15, and consisted of a sort of amateur exhibition by a few of the men. The plan is that hereafter everyone who cares to may take part. There may be other entertainment in connection with the athletic part.

The object of this undertaking is to give the men who have nothing in particular to do Saturday evenings a place to come for recreation and enjoyment.

The committee in charge of these stunts consists of L. J. Cortright, E. C. Lindemann, R. D. Haugh and Instructor Ford.

Everyone is invited.

Mission study classes are just being started. There are three different ones in operation.

The study in "The Uplift of China," is taught by Professor Meyers, and meets Sunday evening at 5:45, at his home in Cottage Terrace.

The class in "Protestant Missions in South America," is taught by Mr. O. K. White, and meets at

8:20 Sunday morning in the Horticultural building.

The mission study entitled, "Aliens or Americans," is taught by Mr. Ford.

Dr. Blaisdell is teaching a bible class especially formed for short course men. He is taking up a course of study entitled "His Life." The class meets every Sunday morning at 8:20 in the Y. M. C. A. rooms. All short course men come.

E. C. Lindemann is starting a class in the "Literature of the Bible," which meets in the Woman's Building at 6:30 Sunday evenings. Everybody welcome.

Remember the regular weekly meetings held Thursday evenings from 6:20 to 7:00 in the Y. M. C. A. rooms. The time is well spent. All are cordially invited.

W. B. Liverence, instructor in dairying will speak at Otsego Saturday on "The Dairy."

Mrs. Fishbeck has purchased the new house under construction just north of Prof. V. T. Wilson.

Professor French will talk on the subject of High school agriculture at Watervleit, Wednesday, Niles Thursday and Kalamazoo Normal Friday.

The women's society of the church will give a library social tonight at Mrs. Vedder's. Each person will represent the name of some book. There will be a silver offering.

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#### DAVID STARR JORDAN ON FOOTBALL REFORM.

David Starr Jordan, president of Leland Stanford, Junior, University, has this to say about reform in football:

"I believe that no reform worth consideration is possible so long as the game allows the play known as 'interference,' by the legalization of which the Rugby game was some twenty years ago perverted into the 'American Game.' As results of the legalization of 'offside play' or 'interference,' forbidden in Rugby, we have the four most objectionable features of the American game, (a) mass play and 'downs,' (b) low tackling in the open field, (c) play directed to break down individuals of the opposite side, (d) the domination of professional coaches, whose interests are wholly at variance with those of the university.

"In 1904, at the height of the football game in California, the presidents and committees on athletics of the two universities notified the students that no form of football having mass play would be again permitted. The students then adopted the Rugby game. It has been tested for five seasons, and it is wholly satisfactory to all concerned. The game demands a much higher grade of skill and alertness. It is far more interesting to watch. It is interesting to the players. It is a sport and not a battle. As with baseball, so with Rugby, each player must know the game. It is played not in armor, but in cotton knickerbockers, and there have been in five years no injuries of any consequence.

"The game is now played in the universities and colleges of California and Nevada. It attracts (perhaps unfortunately) larger numbers of spectators than the old game ever did. It is now played in most of the leading high schools of California. It is firmly and permanently established on the Pacific coast, unless, as in the east, it is modified to suit the purposes of professional coaches. It seems to me that our experience in California should be worth something to our colleagues in the east."

#### EUNOMIAN.

Taking advantage of the fact that both the State Engineering Society and the State Breeders' Association held their annual meeting here at the same time last week, the Eunomian Society held an informal meeting for those of their old members who were attending either of these meetings. Music, story telling, and refreshments were the order of the evening. The former members who attended were Geo. McMullin, '04; F. B. Howard, '05; Dr. E. A. Seeleye, '04; E. A. Towne, '07; C. E. Slighly, with '07; A. L. Darbee, '08; J. G. Cavanagh, '06, and R. A. Turner, '09.

F. B. Howard, '05, is running a farm at Alto, Mich.

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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.

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DR. H. W. LANDON, Agricultural College, 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.

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