# The M.A.C. RECORD.

### MICHIGAN AGRICULTURAL COLLEGE.

EAST LANSING, MICHIGAN, TUESDAY, MAY 14, 1912

VOL. 17.

## M. A. C. WINS FROM SYRACUSE

#### IN A TEN-INNING CONTEST.

Alma Game Postponed.

In a long drawn out game the locals won from Syracuse University Friday by one point, the winning run coming in the tenth. In spite of the fact that but three runs were made, the time spent was 2 hours and 35 minutes.

The visitors started the scoring in the fourth, when Fisher crossed the plate for the first and only. M. A. C. tied in the eighth, and the real battle was for the winning run. In the ninth the home team secured two hits, but to no avail. At the opening of the 10th, Mogge, first man up, was caught out on a foul. Griggs, next man up, was given first sack by the visiting pitcher. Dawson was then called upon, and singled to right center field, while Griggs made his way to third base.

At this point the visiting battery evidently forgot for the moment the man on third, and while consulting as to the next move Griggs stole home and won the game for his team.

Dodge for M. A. C. pitched an excellent game, and also fielded his position well. Griggs was his usual self on first while Bradley on third deserves credit, playing in fine style. Dawson was the reliable with the bat, getting three of M. A. C.'s eight hits.

The visiting pitcher was strong, and his variety and styles are beyond description. Seymour at short was also good, and but for his excellent fielding M. A. C. would have placed men on bases somewhat oftener.

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Miss Mae Herbert, in college last year, was a visitor the past week.



SENIOR ENGINEERS AT THE LACKAWANNA STEEL CO.'S PLANT.

#### THE INSPECTION TRIP OF SENIOR ENGINEERS.

That the annual inspection trip of the senior engineering class was a tremendous success is the testimony of senior engineers who arrived on the campus the first part of last week.

The chief points of interest visited were, Niagara Falls, Buffalo and Pittsburg, but from these cities a half dozen side trips were taken.

The party left Lansing on the afternoon of April 30th in a special tourist sleeper for Niagara Falls. During this part of the trip the party had the pleasure of the com-pany of Mr. G. G. Robbins, of the class of '04, who is on his way to Elmira, N. Y., where he is going as the result of a material promotion. The party arrived at Niagara Falls early Wednesday morning, and was divided into two parties, "A" and "B." Party "A" consisting of H.K. Vedderand the civil engineers ; party "B," headed by Dean Bissell, comprising the mechanical and electrical engineers. Party "A" visited the sixteen million gallon filtration plant for the water supply of the city of Niagara Falls, while party "B" inspected the mills of the International Paper Company, where newspaper stock is made from wood pulp by both mechanical and chemical processes. In this mill one hundred and sixty tons of paper are turned out daily.

Early in the afternoon both parties started for the American plants of the Niagara Power Company, which, together with the Canadian plant of this company, convert about 200.000 H. P. of energy from the falls into electrical energy. Some idea of the magnitude of this development can be gained from the fact that both plants use in the neighborhood of 8,000 cubic feet of water each second of the day, or in other words - 156 tons of water per second. After a thorough inspection of the American plants the party crossed over to the Canadian side, where, close to the Horseshoe Falls the Canadian branch of the same company is located. Here larger electrical turbine units were seen, some of which develop over twelve thousand horse power.

Thursday morning the entire party took a specially chartered car over the Niagara Belt Line, the ex-

cursion trip which all sightseers take in Niagara Falls on account of the great view of the Falls and River from the windows of the car. Starting from the hotel the first stop was near the Whirlpool Rapids; thence to Lewiston, across the famous Suspension Bridge, to Queenstown on the Canadian side, past General Brock's Monument, and then a long trip on the edge of the Canadian bank of the Niagara River which is four hundred feet in some places above the turbulent waters in the Gorge. From here the line passes the Horseshoe Falls, turns and crosses the Steel Arch Bridge to the American side. Little idea of the beauty of this great work of nature can be gained until one has seen it.

After this scenic ride, the party left Niagara for Buffalo, where, in the afternoon the plants of the Lackawanna Steel Company were visited. Imagine if you can a tract of land two thirds of a mile wide and three miles long, filled with dozens of two, three, four and five story mills, hundreds of smoke stacks and chimneys and the whole enveleped in a great cloud of steam and smoke and you have a fair idea of the impression this plant gives one on first approaching it.

The party was again divided into two groups, each provided with a guide and taken through most of the works. The company here operates Coke Plants, Blast Furnaces, a Bessemer Works, an Open Hearth Works, Standard Raid Mill, Structural, Sheet Piling and Light Rail Mills, Physical Laboratory, Merchant Bar Mill, Sheet Bar and Billet Mills, Roll, Forging Machine and Tool Shops, Store Houses, etc. Besides this, the company has a fine three story office building on the grounds where the party was shown pictures of some of the work put out by the mills. A most instructive afternoon was put in at this plant and a strenuous one, for the parties covered nearly twenty miles it is thought.

Thursday evening a special Pullman was taken from Buffalo to Pittsburgh. On the train was Mr. E. P. Safford, '94, who rode with the party as far as Silver Creek, N. Y., where his home is.

An early start was taken in Pittsburgh, Friday morning, party A going to Ambridge, where the plant (Continued on page 2.)

## ALUMNI

No. 32

#### CAPT. IRELAND AND THE U. S. ARMY.

Mark L. Ireland, class of 1901, m., writes as follows from Fort Monroe, Va., where he is a student officer this year in the regular class of the Coast Artillery School:

"I am still very much interested in doing what I can to see M. A. C. land as many as possible of the forty or fifty \$1,700 a-year jobs that are being passed out each year to graduates of technical colleges, in the way of commissions as second lieutenants in the coast artillery corps, and about the same number to college graduates in general, by commissions to the same grade in the infantry, cavalry, and field artillery. For some reason, the little interest the 'army' graduates of M. A. C. were able to arouse two and three years ago seems to be falling off, and the commissions have been going to the "cram school" men of the east. The trouble primarily is that competition for positions among college men in the east is rather keener than in the land of opportunity and plenty; they see more and understand more of the army, and appreciate the comparatively larger opportunities offered by commissions in it.

The following list of M. A. C. men now in the service will probably prove interesting to any who may have a military leaning. I know that this list is not complete, but it is the best that I am able to prepare upon my present information.

Finley, John P., class '73-'82. Major, detached service infantry. Entered 1884. Stationed at Manila, P. I.

Welsh, R. S., '95. Captain, field artillery. Entered 1901. Phila-delphia, Pa.

Ireland, M. L., 'o1. Captain, coast artillery. Entered 1904.
Fort Monroe, Va. Cole, Otis R., '97. First lieuten-ant, infantry. Entered 1901. Jef-

ferson Barracks, Mo. Wilson, W. P., 'o6. First lieutenant, coast artillery. Entered 1908. Fort Strong, Mass., Boston Harbor.

Lemmon, K. B., 'o7. First lieutenant, coast artillery. Entered 1909. Fort McKinley, Portland, Maine.

Campbell, J. R., 'o8. First lieu-tenant, coast artillery. Entered 1909. Fort Caswell, near Wilmington, N. C.

Robinson, Eugene, 'o6. First lieutenant, infantry (16th). Entered 1907. Fort Seward, Alaska. Frazer, W. D., '09. First lieutenant, coast artillery. Entered 1909. Fort Williams, Portland, Maine.

Lyon, R. R., '09. First lieuten-ant, coast artillery. Entered 1909. Fort Terry, N. Y., entrance to Long Island Sound.

(Continued on page 4.)

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

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#### TUESDAY, MAY 14, 1912.

#### THE INSPECTION TRIP OF SENIOR ENGINEERS.

(Continued from page 1.)

of the American Bridge Company was inspected, and party B to East Pittsburgh to look over the Westinghouse shops. At the Westinghouse plant the party were the guests of the company at luncheon at the Westinghouse Club and afterward spent the remainder of the afternoon inspecting machine shops. The boys obtained some idea of the magnitude of the scale upon which engineering operations are carried out here when they saw 15,000 men and girls go out of the shop to lunch at noon.

Party A were the guests of Col. Newcomber, U. S. engineer, who took them up to his offices and afterward entertained them on his private boat on the Monongahela river. Some of the dams and locks were inspected on this river.

From here they went to Ambridge and spent the afternoon inspecting and watching the construction work on the large bridges. The drafting room employing 250 men was also visited.

Saturday morning both parties visited the United States Bureau of Mines Rescue and Fuel Testing Station in Pittsburg. Several special experiments were performed for their benefit and some very interesting facts were gleaned from a further inspection of the Station. On account of train arrangements this very interesting inspection was cut short.

The entire party took the train from Pittsburg to East Pittsburg and from there a special train to Universal where the party, enveloped in a cloud of cement dust, inspected the various processes of the manufacture of Portland cement from iron slag and limestone.

In the middle of the afternoon, (Saturday) the party disbanded, and were free until ten o'clock that evening when in a special Pullman they were whirled towards Detroit.

One of the best features of the trip was the uniform courteousness that was extended by the companies visited. In each place the crowd was royally treated and an invitation extended to come again. Another thing which contributed to the success of the trip was the clear and warm weather which continued throughout the week.

Nothing but the highest praise can be given Dean Bissell and Prof. Vedder for the completeness of the arrangements made and the variety and character of the places visited. The entire party recommends strongly the senior engineering trip to those in the other engineering classes, who will have the same opportunity in their turn.

F. H. K. '12.

#### THE TRACTOR.

The plowing demonstration with the big 20 H. P. Rumeley engine on Friday was witnessed by a large number of visitors during the day. The work started in field No. 10 at five o'clock, Friday morning, and continued without a stop until dark, changing crews at noon.

During this time practically an acre of soil was turned for each hour's work. Four plows were used, and following the plows a spike tooth harrow was attached, one section behind the other. In this case the ground was not only plowed but harrowed twice as well. In the afternoon a roller was added and the seed bed put in excellent shape.

The engine was of the Rumeley type with kerosene feed attachment, this being the fuel used in this particular demonstration. The machine required two men to manipulate it, and was doing the work of four teams and four men. It is not possible, however, to duplicate the work of a good team and single plow when quality is taken into consideration. This, of course, may be done on prairie lands, but the soil conditions in Michigan vary so much that it is unfair to compare the work done with that of other sections.

It was certainly a very interesting demonstration and is proving a great saving of horse power which is very acceptable at the college farm just at present.

#### BOOK BUYING ASSOCIATION.

The faculty action of February last by which the book store was placed under the management of the same, proved to be too informal an organization under which to do business.

In view of this condition articles of incorporation were presented to the members of the faculty at the last meeting and under the name of the Michigan Agricultural College Book Buying Association, the new organization was effected. This is in compliance with a statute providing for corporations carrying on undertakings without the expectation of profit. Under this head would come church organizations, library associations and book buying associations such as our own.

The membership fee of 75 cents will be discontinued, and all members of the teaching force as well as students will be allowed the benefits of the new association. All supplies will be sold at cost, and the expenses will be kept as low as possible.

The officers of the new corporation are President Snyder as president, and Dr. W. O. Hedrick, Prof. R. H. Pettit, and Prof. J. F. Macklin, as directors.

Miss Kendall leaves at the end of this term, and the new manager assumes her duties on June 15.

'o6 Cass A. Lamb writes: "I wish to inform the readers of the RECORD that I am permanently located at Fulton, N. Y. I am still associated with G. C. Hodgson & Co., of Dayton, O., but on this particular work we are known as the Oswego Construction Co., Inc. We have about two years' work on what is known as Contract 10-B, Barge Canal."

#### WABASH THURSDAY AND FRIDAY.

This is another especially heavy week for our baseball team. Two home games with Wabash, and on Saturday the second with Michigan at Ann Arbor make up the schedule.

Wabash comes to us strong this season. Reports are of recent victories over both Indiana University and Notre Dame, and our visitors will come with the expectation of winning. The home team are developing a reputation, however, and we expect to take both games. The games will be called at  $\downarrow$  o'clock on each day, and as these will be the last home games of the month, everybody will want to see them.

It is very much regretted that the Alma game had to be cancelled on account of rain. The boys were here, having come on from Hillsdale, where they won handily on Friday.

Mr. Macklin is endeavoring to arrange a game here with that college on June 4 or 5, and it is quite probable that he will succeed. Alma is especially strong this year, and we are anxious to see the two teams on our home field.

#### TEACHERS FOR 1912-13.

M. A. C. will be quite well represented in the public schools of the state for the year 1912-13. The following schools have adopted agriculture for the coming year, and the work will in each case be handled by an M. A. C. man:

Hudson-C. V. Ballard. Ovid-E. F. Hock.

Ovid-E. F. Hock. Hart-A. W. Eidson,

Hart-A. W. Eidson.

Fremont-S. S. Smith. Manistee-L. D. Hard.

Croswell-R. E. Duddles.

In addition to these, L. B. Gardner will have charge of the work at Traverse City, and W. A. Wood, at St. Louis.

The following are seriously conridering agriculture, and the same will probably be included in the curriculum beginning in September : Addison, Bangor, Flushing, Fowlerville and Lawrence.

The young women of our senior class already located for the coming year are :

Grace Bacon, domestic science at Wakefield.

Donna Edwards, domestic science, at Owosso.

Sarah Vandervoort, domestic science, at Saginaw, W. S. Aurelia Potts, domestic science,

at Traverse City.

Florence Sinlinger, German and English at Grand Ledge.

#### M. A. C. VET. MEDICAL ASSOCIATION.

The Veterinary Association held their usual meeting in the Vet. Building last Tuesday evening, May 7. The program consisted of Current Events, by Mr. Max Wershow, and a discourse on the practical phase of Obstetrics, by Dr. Lyman. Both numbers were very interesting and instructive in every detail.

The next meeting will be held on Tuesday evening, May 21, at 7 p. m. An interesting program has been arranged. All agricultural students are invited.

#### HORT. CLUB.

One of the most valuable features of the Hort. Club is the opportunity which it affords each week for its members to meet and benefit by the experiences of scientific and practical men interested in different branches of the science of horticulture.

Tuesday evening Secretary Brown gave his experience with a six-acre plum orchard in Schoolcraft county. The hard winter of 1899 seriously injured the orchard just as it was coming into bearing, the abundance suffering the most. This was followed by a hot, rainy harvesting season, which caused the destruction of practically the entire crop by brown rot. A thorough spraying of bordeaux the next year very largely controlled this trouble, and resulted in a splendid crop of almost perfect fruit. Then the unlooked for happened. The quantities of fruit could scarcely be given away, either in local market or in the larger ones. This happened for a few successive years, and the orchard was pulled out. The same market conditions ruined the prospects of currant and gooseberry fillers which had been put in.

Secretary Brown's advice is to carefully investigate more than one end of any line of production. The raising of a crop is not all; one must look ahead and calculate on the market.

G. E. Smith gave his vacation experiences in orchards near Laporte, Indiana, and McClintock and Pickford told of theirs on the farm of A. W. Stewart, at Marshall.

#### THE NEW TRUCK.

The new College Electric truck arrived from Detroit last week and is already in service taking care of the freight, express, etc., between Lansing and the college.

The new machine is of 3000 lbs. capacity with a speed limit of 12 miles per hour. The body is paint ed black and on each side in colors appears the name of Michigan Agricultural College. A beautiful monogram is worked on the front and also on either side of the seat box.

Mr. Claire McBride, of Schoolcraft, has been engaged to run the machine and will handle only college business. No private hauling whatever is to be done. Excellent service should be secured through this arrangement.

#### EQUAL SUFFRAGE.

Mrs. Forbes Robertson Hale, the former English actress, now a housewife in New York City, was a college visitor last week, and gave an address Thursday afternoon in the parlors of the Women's Building on "Equal Suffrage."

One of the first points the speaker sought to make clear in the minds of those present was the fact that of all the thousands of women interested in this movement, but a very small minority were of a militant type, such as *Life* depicts, and of which the English papers have had so much to say.

had so much to say. Mrs. Hale spoke interestingly of the work accomplished in her own native land, and made some interesting comparisons with those countries in which the women have taken no great interest in reforms of any kind.

#### The M. A. C. RECORD.



# ABOUT THE CAMPUS

Prof. Eustace made a business trip to Chicago last week.

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Pres. Snyder is driving a bran new five passenger Reo car these days.

Canoing on Red Cedar is now the popular pastime, and these are glorious days for same.

The Columbians spend Saturday, the 18th, at Pine Lake and the military of the spring term will be held in the armory.

Mr. Uphof, foreman of our Botanic Garden, has purchased a lot in Oak Grove of Mr. Woodbury and expects soon to begin the erection of a new home.

The 1911–12 catalogue will be ready for distribution the latter part of this week. The general plan is much the same as that of last year, not a great many changes having been made.

H. E. Truax, '12, has just received word that a position at Fayettesville, Arkansas, awaits him. His work will be in connection with the experiment station, and he will take up his duties immediately after graduation.

A young rock python, some six or seven feet long was brought to the museum Thursday of last week by Mr. Tibbits, of Lansing. The snake was discovered in a sack at the corner of Washington and Michigan Aves. after the departure of the Wild West Show, and it is quite probable that the owners, finding the reptile dead, left it to the care of the city. The Idlers give a party in the Agricultural Building on Friday evening of this week.

A little son, Robert Lowell, was born to Mr. and Mrs. R. L. Nye, Park St., East Lansing, on Thursday, May 9.

Prof. R. H. Pettit will address the Hort. Club Wednesday evening on the subject, "Some well known facts about bees."

It seemed good to see Jack Bowditch among the boys on the bleachers at the Syracuse game on Friday. Jack is a hustling reinforced-concrete man at Detroit.

A spelling class has been organized, and will meet in Room 6, College Hall, on Tuesday, Thursday, and Friday of each week at 7:30 a. m. Call on Dr. Baisdell for further particulars.

The debating team, consisting of P. J. Vevia, Robert Snyder and D. S. Clute, leave for Alma Friday, where they will engage the team at that institution in the first debate. The team will be accompanied by Mr. Hensel and a number of the students interested in debating.

The marriage of Mr. Thurlow Pope and Miss Ruth Blakeslee was solemnized on Thursday of last week at the home of the bride's parents, East Lansing, Rev. Steensma of the People's church officiating. After a short trip the young people will make their home here. Mr. Pope is engaged in the real estate business with the Brown Insurance Co. Mrs. Dwight Randall (Myrtle Peck), and her mother were college visitors between trains on Saturday of last week.

The *Elk Rapids Progress* of April 25 contains a long letter from Neal Perry, '07, on his recent trip to the volcano Kilauea, Hawaii.

Prof. Anderson was at Owosso one day the past week where he judged colts at the local horse show. The show was under the direction of A. B. Cook, '93.

WANTED-Student of character and ability with some grocery store experience, to work in grocery store in Northern Michigan resort city during summer vacation. For information apply at the editor's desk.

The members of the senior Hort. class are getting out the May number of *Michigan Horticulture*. Editor Bassett, secretary of the State Horticultural Society, is now in California at a Shriners' meeting, and the seniors will assume full responsibility for the next number of this paper.

Notice.— The Try and Trust Circle of King's Daughters will serve the annual cafe lunch in the large dining hall of the People's church Friday evening, May 17, from six to eight o'clock. The menu will consist of scalloped potatoes, baked beans, deviled eggs, salad, rolls, pickles, coffee, cocoa, and assorted cakes. The proceeds will go towards furnishing a room in the new Lansing city hospital. The Eunomian spring term party was held in the Agricultural Building Friday evening, and on the same evening was held the Union Lit. party in the Lit. House.

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Messrs. Col. Shubel, John Crotty and their friend, Mr. Walter Edwards, of New York City, held a reunion at M. A. C. on Friday, when they inspected the college dairy stock.

An error was made in the anrouncement of commencement in our last number. Dr. Albert Ross Hill is president of the University of Missouri (not Columbia), which university is located at Columbia.

The Weekly Almanian of May 7, presents a likeness of Mr. A. W. Wright, Alma's most wealthy and philanthropic citizen, who died recently. Mr. Wright has made a number of splendid gifts to Alma college.

Instructor Hood of the Horticultural department has inaugurated a new system in students gardens. A plat of more than one acre has been divided so as to form three gardens in size 100 x 150 feet. 1 hese are so arranged that the 4 sections of students will work alternately on the different plats and eventually have the experience which the whole affords. When completed the three divisions become one big garden as different vegetables are grown in each. This will enable the student to determine the value of a commercial garden and also the proper care of the ordinary plat so essential to every farm home.

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Lt.