ATHLETICS.

FRIDAY GAME.

Michigan R Hits PO A E

Martin 1 3 2 0 1
DeFries 2 1 0 1 1
O'Brien 3 3 1 0 0
Keller 3 2 0 0 0
Carrothers 2 1 4 0 0
Wendell m 1 0 0 0 0
Finney m 0 0 0 0 0
Sanger 0 0 0 0 0

Total 9 17 9 5

FARMERS CLUB.

The Farmers' Club met Tuesday evening, April 18, Mr. J. S. Shaw spoke on the "Chemistry of Farm Ventilation." He had apparatus to show how the location of CO₂ was determined in the dairy barn. In an interesting and instructive way he showed the importance of ventilation and the evil effects resulting from the lack of ventilation. At the close of the meeting programs for the term were distributed.

HORT. CLUB.

April 19th, C. A. McCue gave a very interesting talk on "The Origin of the Cultivated American Raspberries and Blackberries." The early settlers found wild berries growing here and paid little attention to them because they were inferior to those cultivated in Europe, but when they found that the European varieties could not be grown in this climate they turned their attention to the native berries, and it is from these that our present cultivated raspberries and blackberries have come. Longworth introduced the Ohio, a black raspberry in 1832. J. S. Shaw found and cultivated the Doolittle, a red raspberry, in 1848. Later, and the Dorchester, the first blackberry to be cultivated, was introduced in 1841. A little later in 1860, Peck, in Pennsylvania, found and cultivated an improved blackberry. Of the 33 species of the family Rubus found in the U.S. only 3 are of commercial importance. America is the only country in the world that has cultivated the native berries, although some very good varieties grow wild in England, Ireland and other countries of Europe.

Y. W. C. A.

Rev. W. A. Minta preached the Easter morning service to a small but appreciative assembly. His message was "The Greatest Speaker." It was a splendid effort filled with the true Easter spirit. He said that in a few short chapters Christ had brought out truths worthy of many volumes. He spoke of the promise of Easter as found in Christ's teachings.

In the evening Mr. Gunson gave one of his characteristic talks on Easter. He spoke of the value of fellowship in college and in later life.

At the Thursday evening meeting J. B. Wilkinson led, taking for his subject, "Humility." By reference to the scriptures, he showed that we had a divine example to follow. W. J. Hill and others gave short talks on the subject.

A special Easter prayer meeting of the combined Y. W. C. A. and M. A. C. was held at 7 o'clock Sunday morning. A goodly number were in attendance. Prof. A. J. Jeffery will have charge of the services in chapel next Sunday evening.

Pres. J. Fisk and Sec. F. R. Hurst will attend the association conference in Alma Saturday and Sunday.

ALUMNI.

With '98

Mr. E. L. Thompson is located at 92 Central Market, Los Angeles, California, where he is city salesman for George A. Smith, the butter king of southern California. He reports a remarkably good trade and that he is receiving in consequence good salary. He further reports that while there are no other M. A. C. men there that he can find, there is a good opening for fraternity men who understand ice making as well, at salaries from $7500 to $125 00 per month.

Carls are out announcing the marriage of Frank J. Deal, with '97, to Miss Ada B. Arnold, at Wyandotte, Mich, on April 12.

Cecil Phillips, with '93, made college friends a short visit early last week. Mr. and Mrs. Phillips (Hettie Wright, '04) have just returned from their western trip, visiting friends of fraternity and Montreal, having traveled about 900 miles since leaving Michigan. They will soon make their home near Milford.

Burr Wheeler '03, is now located at 96 Fashing ave, Jamestown, L. I., New York. Mr. Wheeler is still with the firm of Westing house, Church, Kerr Co.

LANSING, MICHIGAN, TUESDAY, APRIL 25, 1905. No. 31

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THE M. A. C. RECORD.

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

B. A. FAUNCE, MANAGING EDITOR

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TUESDAY, APRIL 25, 1905.

EUNOMIAN LITERARY SOCIETY.

The Eunomian Literary Society had its first 10 o'clock for this term last Saturday evening. The rooms were prettily decorated with materials supplied by the university company with abundance of hot maple syrup. As is usual the case the meeting was over in much too soon, meaning it as does that all must depart. The patrons for the evening were Mr. and Mrs. B. A. Faunce.

UNION "LIT." HOP.

About thirty-five couples enjoyed themselves at a dancing party given by the Union on the night of building Saturday evening, April 22. On entering the hall each lady was favored with a carnation spray, these with Easter lilies completing the floral decoration. Mr. Robinson furnished the music and Mr. and Mrs. Gunson were present to see that the right hours were kept and it was the only time for a short time when their watching was given.

THE FORESTERS' TRIP.

The party of Forestry students started Saturday morning, April 1, on their trip through the northern part of the Lower Peninsula.

Our object in making the trip was to see and learn all we could about both the present and past and present, and the modern ways in which the forests are worked. All the years of our lives, since we first began school, we have been taught how to read a book, but how many of us know "whereof they speak." These are the kinds of things that interested us on the trip.

Among the places visited were a veneer factory, and Mr. Garfield's plantation in Grand Rapids, several sawmills, and the various forestry, lumber and devestated stands of stump land at Cadillac. At the northern end of the county white pine predominated, a pulp and paper factory at Alcona, and the starting of a large plantation to be made by the president of the D. & M. at East Tawas Beach.

Among the things which impressed most was the interest the railroads were taking in the Forestry, both in planting and in encouraging the lumbermen. Without it there would not be the interest there is to-day; the right of way; the great economy shown by lumbermen, both at the mills and in the woods; the great strides which have been made by the alcohol plants which consume practically nothing but waste from the saw mills and hardwood factories and by the closeness to the ground the lumbering jacks are thus free from the necessity of cutting the trees and small amount of tops left.

The apparent independence of the purposes of the future of the land of Michigan is very vividly shown by the immense tracks of land with the charred stumps and little or no vegetation.

The many attempts of nature to reestablish the land with trees indicated very plainly that if the people would only keep out fire and cattle a valuable stand of timber would be made by the now practically worthless land yield a good profit.

Taking the trip as a whole all who were unanimous in their decision that the trip was well worth all the cost, both of time and money. We trust that all taking Forestry work will be able to take a similar trip.

AGRICULTURAL JOURNALISM.

Some of the very best articles in the agricultural press of to-day are written by men who have made a study of scientific principles and are "where they speak" of men of whom we speak are from our own M. A. C.

A late issue of the Michigan Farmer is an article by C. A. Wilson '05 on the subject of "Nitrogen-Fixing Bacteria and Soil Incineration." After calling attention to the rapid rate at which our mineral sources of nitrogen are diminishing, the writer calls attention to the destructive work in the soil liberating the fixed nitrogen, the writer calls attention to the work which has finally resulted in the discovery of the bacteria which is just beginning. A description of experiments at the Station are given and two plates are presented. One of these is a large picture of the bacteria magnified and the other covers the tubercles caused by bacteria.

In the same issue of the Farmer is an excellent article on "Handling the Orchard Crop" by G. H. Hilton '00. Mr. Hilton points out the danger of following year after year the practice of laying off the orchard as they come and study the conditions of the same. He discusses "The Purposes of the Orchard" and the "Art of restoring fertility," and the "Spring Handling of Orchard Crop," all quite full and complete, and the foundations of all of these subjects and in all of these has shown himself an excellent correspondent.

B. A. Faunce, managing editor.

A VOLUME OF ENGINEERING HISTORY.

In a book of 1000 pages, entitled "The Principal Professional Papers of Dr. J. A. Waddell," there have been collected a large number of note-worthy contributions to engineering literature, comprising the wealth of scientific and technical research, the painstaking record of structures and magnitude, the千方百计es encountered in the construction, and valuable essays upon the progress of engineering science and art.

Most engineering students are familiar with Dr. Waddell's books on engineering design, but many will be surprised to learn from these papers how exceedingly active he has been in professional work and how forcibly and effectively he has written in the cause of engineering education. There are here presented a half dozen addresses, which have been read before engineering students and by engineers, dealing with a whole range of engineering subjects and in all of these has shown himself a most excellent writer and also most entertainingly presented.

The thanks of the engineering profession are due to John Lyle Harrington, C. E., who has so ably edited the papers and who has supplied connected with various publications throughout the state in all of which he has shown marked ability as a newspaper man.

Others who might be mentioned are C. E. Lillie, '05, C. P. Reynolds with '02, H. E. Young '02, all of whom are doing good work in their chosen line.

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S. F. Edwards '99, called on college friends the past week.

C. H. Briggs '96, is one of the principal research chemists with the above firm.

E. R. Graham, with '96, visited his brother L. I. a few days past the week.

Tennis courts seem to be in good demand. In fact the demand exceeds the supply.

Instructor and Mrs. Curtis spent Saturday and Sunday at the former's home, Mason, Mich.

Any student desiring work Saturday mornings call at Prof. Bogues's residence on the Delta.

A hydraulic ram has been installed near the dam on the river to supply water for the artificial lake.

Miss Zella Walker, '93-'94, of the University, spent part of her vacation with college friends.

Samuel Horton '96, received a visit from his father, Mr. G. B. Horton of Fruit Ridge Tuesday.

Junior engineers may get their drawings by calling at the office in engineering building—Come on early.

A set of drawing instruments has been left at Director Irwin's office. Owner may claim same by calling and proving property.

A new face has been seen at chapel this week. Of course investigation was necessary, and it was discovered that he was the loser of a novel bet in which he had to attend chapel for one week.

Do not forget the special summer courses beginning June 28. A bulletin giving full information may be had on application.

The prep's can beat any class team in a game of base ball. If the above, signed, we suppose, by the manager, is issued as a challenge by the above named class.

The work of removing the small heating plant near the women's building is nearing completion. This will be a decided improvement to that portion of the grounds.

The rain of Thursday seems to have done some good in spite of the snow which followed. The campus looks much brighter and we may soon look for apple blossoms.

The Sigma Mu Beta Literary Society has changed its name to Eunomian Literary Society because of the existing rule of the faculty prohibiting the use of Greek letters and Mr. C. D. Woodbury's store.

D. F. Pegelson, with '97, Prototype Attorney of Ottawa Co., and City Attorney of Grand Haven, visited the college the past week for the first time in seven years. Mr. Pegelson expressed himself as being very much pleased with the many improvements made in that time. Prof. Taft was at Battle Creek, Tecumseh and Clinton the past week, speaking at the latter place before a meeting of the Ypsilanti Village Improvement Association. Regarding the danger from the San Jose scale to trees and shrubs of that city, R. W. Hempfiill Jr., S. I., is president of the above association.

John F. Neless '94, called on Prof. Keefie at the laboratory Friday of last week. Sometime during the present week he will again be at the college, when he will show and explain to students who are interested about the geological map upon which he has been at work for sometime. He will also have other smaller maps with him and will explain something of the work accomplished.

Fred H. Foster, with '96, who is interested in the International Live Stock and Timber Co., at Durango, Mexico was at the college on Tuesday of last week. Mr. Foster has been visiting at his home, Clinton, Mich., and when at the college was on his way to Mexico.

The following books have been left in the chemical lab., and may be had by calling for same: "Principles of American Forestry" containing the name of E. A. Willson and two text books in geometry in which appears the names of Z. E. Colly and Loren Gleason.

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On the evening of Friday, April 21st, the Columbian Literary Society gave an "Eleven O'clock" to lady friends. The merry makers began to gather at seven and passed a very pleasant evening, dancing and playing games. The time for departure came only too soon, and every one went away feeling that they had attended another successful party. Prof. and Mrs. Sawyer kindly chaperoned.

The department of physics and electrical engineering has just received a new book entitled "An Electrical Catechism" by the Hill Publishing Co., New York City, the contents of which appeared first in the various issues of "Power." For students in electrical work this is a valuable book. This and Shapero's Electrical Catechism, the contents of which was originally published in the American Electrician, form two very valuable books in engineering work.

The M. A. C. Sunday school presented an interesting Easter program at three o'clock last Sunday. Nearly one hundred persons were present, filling the little school house to its utmost capacity. The room was tastefully decorated with plants and ferns and the program was carried out very nicely. The recitations and exercises by the children were especially enjoyed and the day to them will, no doubt, be long remembered as a happy one. The day was an ideal Easter Sunday being one of the brightest days this spring. Much credit is due the Prof. and Mrs. Bogue for their painstaking efforts not only to make the exercises of Easter a success, but for their faithful work in the Sunday school.
Organized Effort Wins

Life Insurance is Organized Thrift. The Mutual Benefit shows 60 years success with splendid management. Do you want to come in now while you can? Some wait to long. No one ever regretted carrying a good insurance contract.

A. B. Hills, '83-'91, (a). of Port Huron, called at the College Mon.
M. B. P. E. Hills, is a prominent seed grower.