ATHLETICS.

Quite a change has come about on the campus this year in the way of permanent improvements. The first thing accomplished was the making of a permanent plat of the whole field so that in the future all work may be done according to plan. The East Court was straightened up in order to get the proper straight-a-way on either side and then graded. New curbs added and fixed up generally. After the track had been permanently fixed, a curb was placed on the inside, one-half being of curdies, the curve on the south end of cement and the straight-away of sandstone. Along the straight-a-way has been built a permanent wire fence which will prevent teams from crowding on to the track. A low fence will be built along the the lower curve to mark inside of same and stakes will be set at all starts and finishes. These will also be permanent improvements.

There has also been put in a cement and cement pole vaulting and jumping place which will be much appreciated by the contestants. The diamond has been shifted so as to avoid a large fence in the way and will now run parallel to it. The swaympy place in left field has been filled in and improved.

The spots which were covered with muck have been sodbolted and the sandy portions filled with clay and loam. M. A. C. has, without doubt, the finest athletic field in the west and it keeps getting better.

On next Saturday will occur the circus which has been announced. It will be given in the armory and the management will endeavor to secure a tent to be set up at the west end and a small covered place so that the sideshow shows "as the armory will hardly be large enough for all attractions.

The performance will be given afternoon and evening and will contain many interesting and entertaining. The programs will have charge of a certain department of the circus and a great deal of work has been done to make it a success. The young ladies will have the refreshment privileges. A nominal fee of ten or fifteen cents will be charged for admission. If you enjoy a good hearty laugh go to the circus.

The first regular base ball game will be played April 15, at which time Flint comes to M. A. C.

A GOOD ROAD.

The prospects for the new macadamized road to the College are very bright and if those interested will come down with the cash that is what will materialize. The Good Roads Division of the Department of Agriculture will furnish all equipment necessary to carry on the work. The citizens interested are to furnish all material and labor necessary to carry on the work. The citizens interested are to furnish all material and labor necessary to carry on the work.

BIRD ARRIVALS.

During January and February large flocks of cedar waxwings visit the campus almost daily, and twice they were accompanied by two or three purple finches. Neither of these can be considered a spring bird, although both species migrate northward in considerable numbers during the spring. The first true arrival from the south was the crow which appeared March 2 in some numbers. The other arrivals are as follows: March 6, robins; March 10, bronzed grackles; March 16, killdeer; March 17, bluets and meadowlark. March 18, mourning dove, rusty grackle, red-winged blackbird, and the straight-a-way of sandstone. The sandpiper and jay also were abundant, but a few of these have been here all winter. March 26, leave Lansing and a fisher; March 28, flicker or golden-winged woodpecker and an increase in numbers of cedar waxwings and meadowlarks.

There is a marked increase in numbers of song birds, although both species migrate northward in considerable numbers during the spring. The one that is most appreciated by the contestants is the western meadowlark, a bird, which remains on the campus through the winter. A Robin was seen collecting nesting material for the first time on March 30.

WALTER B. BARROWS.

Y. M. C. A.

The newly elected officers of the Y. M. C. A. begin their duties this week.

The list of the series of services conducted by the Rev. J. B. Silcox will be held in the Armory Sunday afternoon at 2:30. Mr. Silcox will leave Lansing this evening, when 2500 people assembled in the large auditorium to hear his address on "The University and the Nation." The service was conducted by the College choir. Messrs. Bell, Bates, A. A. Fisk, and Wilkinson spent half of the vacation assisting state secretary Carl Smith and county secretary C. L. Rowe in some special meetings at Easton.

Hurt Wernouth, last year's general secretary, and Brown, a former president of the Y. M. C. A. are found rooming together at 232 16th street. Mr. Wernouth promises to lead one of the Sunday evening meetings the coming term.

SCHOOLMASTER'S CLUB.

The Michigan Schoolmaster's Club held a very successful meeting on April 3 in the library. This organization has become a very important factor in the educational work of the state. Nearly all the leading college men, progressive superintendents and high school teachers in the state are members of this organization. The prominent speakers at the general sessions this year were Prof. C. E. Woodrow of Princeton, Dean L. H. Bailey of Cornell, Prof. R. M. Wesley of the University of Michigan, Prof. James R. Angell of Chicago University, and Dean Hettrick of the Laboratory School of the Western Reserve University. The addresses were of an exceptionally high order. They will be printed in the annual report of the organization.

The conferences, or section meetings, were held in the afternoon of each day. A number of prominent speakers from the various universities were present.

The program of the Classical Conferences was especially noteworthy. Among the prominent speakers were Prof. Andrew F. West, Princeton University; Prof. Charles Knapp and James C. Egbert, Columbia University; Prof. John M. Burnham, Cincinnatii University; Prof. Arthur Fairbanks, of the University of Iowa, and Prof. William Gardner Hale, of the Chicago University.

Very interesting meetings were held by the department of chemistry, physics, mathematics, history, English and modern languages. The meeting which called forth the largest attendance, was the lecture by President Woodrow Wilson on Friday evening, when 2500 people assembled in the large auditorium to hear his address on "The University and the Nation." The President was at his best and held the audience spell bound for more than an hour. It was such a subject as only a great man interested in a great theme, with a large sympathetic audience, can give.

The entire meeting was regarded as a great success and President Snyder received many compliments on the arrangement and carrying out of such an excellent program.

AGRI' COLLEGE P. O.

It will, we believe, be of interest to our readers to know something of the amount of business done at the Agricultural College postoffice, and how this business has increased. It is not an unusual thing for the office to handle 1,000 letters in a single morning mail. On Monday mornings this number is of course increased greatly, often running up to 4,000 and over. The paper mail is a very heavy also, a great number of students being subscribers for magazines and other periodicals to say nothing of those that go to the faculty members, the library and those outside not connected with the college in any way.

The money order business has also grown very rapidly. In 1904 there were 2,000 orders issued and a great many more than this number taken up. It is not so unusual for the office to pay out as high as four or five dollars in a single day. The money order business has just about doubled since the office was started and the present quarters. This increase is due in part to the desirable location of the college in Lansing, Mich., and in part to the fact that the college students can get their mail with less trouble than they could outside college. The money order business has also grown very rapidly in the last four years, and it is difficult for the office to keep up with the business.

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were too numerous to be surmounted by any excepting well trained teachers fitted for the work, and then of a school garden in a country school in Canada. The difficulties of studying soils. Such hints and illusions would soon be destroyed. His efforts a museum was collected, these are pertaining to the popular. A syllabus of which hung on the wall. The sessions were very interesting. The sessions were intensely practical, that they could make use of. President K. L. Butterfield of R. I. sent us a syllabus for a course in rural sociology, one in farm economics, and one in farm economy. They were much appreciated. Prof. Jefferson enumerated and explained a number of lessons that can be introduced with profit in country schools; these are pertaining to the study of soils. Such hints and illustrations are important to any one who is interested in such work. Hon. C. W. Garfield's paper treated the subject of the necessity of conserving certain young men who taught a country school, and with his efforts a museum was collected, classified and installed in the school house, much to the gratification and instruction of the pupils. The collection was a fine investment even for a single term, although it was expected that the cactus and specimens would soon be destroyed. Prof. Dando also graphically related his experiences growing and cultivating a school garden in a country school in Canada. The difficulties encountered were surmounted by any excepting well trained teachers fitted for the work, and they great tact and perseverence were required.

Tuesday April 4, 1905

ACADEMY OF SCIENCE.

AGRICULTURAL SECTION.

For the academy has maintained a section of agriculture, the only one of its kind in this country.

This year the subjects for papers all fell under the general heading, Agricultural College, Michigan. It was determined that a given species should not produce the same effect upon the plants functions. A study of the Effects of Dinitrogen or Air upon the Radishes of a Corn Seedling. By F. F. Loveng, Agricultural College, Mich. It was shown that the mineral content of the radish is killed in hydrochloric solution at a dilution of 1:250 normal was nearly equal to that of normal radishes. Also that seedlings secrete mineral matter when placed in distilled water.

The Toxic Action of Copper Sulphate upon Certain Algae, by Ellen E. Bach, Agricultural College, Mich. She found that the effect of copper sulphate upon algae depends upon the concentration, amount of Algae, and condition of water.

The- Relation of Bacteria to Plant Food, by Walter C. Sackett. He stated that the natural supply of plant food for fertilizers was becoming exhausted, also of the need to utilize the waste of nitrogen by sewage, desinfecting bacteria and decomposition in general, and that the future nitrogen product depends upon the nitrogen fixing bacteria.

The Experiments on the Making of and Curing. Dr. Went, M. A. C. read a very interesting article on the Romanowski method of staining. Trypanosomes-stained blood pictures were submitted and the Relation of Bacteria to the Making and Ripening of Michigan Cheese was presented by Mr. E. B. Wright, M. A. C. Mr. Wright pointed out the essential differences between the true Michigan cheese and the so-called hybrid cheese. Diagrams were used to illustrate the characteristics at Antonovka founded of making and curing. Dr. Wetmore, M. A. C. read a very interesting article on the Relations of Bacteria to the Making and Ripening of Michigan Cheese. It was presented by Mr. B. Pollock, Ann Arbor. This fungus is probably a species many of the species were found to germinate. Polyscythus Hirsutus a Parastichyus Mountain Outcrop at Crumrin, by J. B. Pollock, Ann Arbor. This fungus is probably a parasite gaining entrance through i injury to the roots. Seedlings by F. A. Loew, Agricultural College, Mich. It was shown that the vegetation in different cities was not the same. A paper on the History of English Work was sent by H. S. Reed, University of Missouri.

The Influence of Credit on the credit of the individual.

A first prize of one thousand dollars, and a second prize of five hundred dollars, in cash, are offered for the best studies presented by Class A, composed exclusively of all persons who have received the bachelor's degree from an American college in 1894, or thereafter; and a first prize of the same amount, and a second prize of one hundred and fifty dollars, in cash, are offered for the best studies presented by Class B, composed of persons who, at the time the papers are sent in, are undergraduates in an American college. No one in Class A may compete in Class B; but any one in Class B may compete in Class A. The committee reserves to itself the right to award the two prizes of $1,000 and $300 to undergraduates, if the merits of the paper demand it.

The ownership of the copyright of successful studies will vest in the donor of the prize. No papers should be submitted without precluding the use of these papers as theses for higher degrees, they will be retained by the donors, and it is expected that, with the exception of the first prize, the papers will be issued in some permanent form.

Competitors are advised that the studies should be written in good English, and not needlessly expanded. They should be submitted in triplicate, with the statement of the degree which the candidate expects to receive when the bachelor's degree was received, and the institution which conferred the degree. The study is, and is being, accompanied by a sealed envelope giving the real name and address of the candidate, and the papers should be sent on or before June 1, 1906, to J. Laurence Laflin, East Hall, University of Chicago, Box 135, Faculty Exchange, Chicago, Illinois.
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A.BOUT THE CAMPUS

Miss Gilchrist spent a few days with her friend, Mrs. M. W. Gutch, in Jackson the past week. Students were lined up all day waiting their turn to be classified. Classes started off this morning.

Miss Avery, entertaining her sister from Ohio for a few days, Mr. McGugan was on the sick list for a day or two the past week. The grading for the Pine Lake road has not begun at the College end of the line. Nearly all students are anxious to get their camp.outy in the afternoon during the spring term.

Mr. and Mrs. F. Milner, of Fremont, Mich., were the guests of Mr. and Mrs. B. A. Fanoce over Sunday.

Miss Amy Lane, teacher of Latin in the Saginaw schools, was the guest of Miss Gilchrist one day the past week.

Start in right by witnessing the first baseball game of the season. We shall endeavor to give a full report of each game.

The horticultural department has been doing considerable work in the line of pruning and spraying of orchards the past week.

The news supply is rather short this week. Everything about the old campus is very quiet. We hope to do better next week.

Ground has been broken for Mr. Kendall's new house east of the College. Mr. Dungey will do the carpentering and finishing.

Not a very bright day for the opening of school yesterday.

We trust that those having changes to make in the outline of "Courses of Instruction" in the new catalog will make it known soon, as it is desired to send 75 pages of the catalog to press as soon as possible. Please correct catalog and return.

The Dunbar Male Quartette and Bell Ringers are due at M. A. C. on next Monday evening. They will be a rare treat for the lovers of music. Those who have heard them are anxious to hear them again and this in itself is one of the best of recommendations.

The subscriptions continue to come in, which fact is duly appreciated. We believe many more, however, of M. A. C. graduates should take the College paper. If it suits you tell your College neighbor about it and send us his name. We will do what we can to induce him to become a regular subscriber.

Mr. and Mrs. P. H. Wessels have completed his college work and leaves soon for Kingston, R. I., where he has accepted a position as assistant chemist in the R. I. Experiment Station.

Several of the College people, who attended the Schoolmasters' Club and Academy of Science at Ann Arbor the past week, very kindly reported sessions for the Record.

And now for eleven weeks of good hard study. The time will soon slip away and the first thing we know we are through with college life, when we've just learned to enjoy it.

Notice — The Prohibitory Club will meet next Sunday, April 9, in Room 6, College Hall. All members are urged to be present as election of officers will take place, and plans for the work of the term will be discussed.

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