FACULTY LOSE TO SENIORS.

The second annual faculty-senior baseball game was fought to a finish on college field Saturday afternoon, the high/brows losing to the hopeful graduates by a score of 7 to 6.

At 3:30 Mayor Gunson pitched the first ball and the vaseville was on with the veteran catcher, Chrissey, of the varsity team as umpire.

Mr. Gunson, who, by his decisions last year, gained the subriet "Rotten Tommy," was rejected this year by the seniors who insist that the umpire be someone who "knows the game." Hadden, pitcher; Thacker, catcher, and Norton, short-stop, were easily the stars of the faculty team, but French at second and Anderson at first showed evidences of having had a practical knowledge of the game in their day while "Sec." Brown at third showed evidences of the secret training indulged in in preparation for the game.

With the exception of Blaisdell in right field who made one sensational catch (which the seniors claim was an accident if not an error) the outfield took no chances of having errors chalked up against them and spent their time making mathematical calculations as to where the ball would fall and then gingerly picked it up after it had spent its fury in the tall grass of the outer garden.

Hadden for the faculty pitched great ball but was poor on control. He fanned a total of eight against the six innings but like all great pitchers was weak with the stick.

In all thirty men were used.

There have been many remarks regarding the work of the Student Council in their efforts to select an Alumni pin. Many of the students seem to think that this work could be accomplished in a very short time, and some are inclined to be rather critical in their judgment.

Perhaps these criticisms are just, but the selection of a design has been a very difficult task, involving a great deal of unlooked for work. Many designs were submitted. Pins had to be made up and sent in for approval. After much trouble and discussion a pin has been selected that the Council thinks will prove acceptable to all. It is made of exceptionally good material being heavy gold, thereby insuring neat appearance combined with good wearing qualities.

The pin is oval in shape bearing on its face the college monogram, also the words, "Alumnus," and "Founded in 1857." All Seniors and Alumni are entitled to wear this emblem, it is thought that all will show loyalty to their Alma Mater by so doing.

The co-operative store will have charge of the disposal of the pins as it will make it much easier to handle them in this way. A large order has been sent in and they are expected daily.

The council hopes that the Alumni and Seniors will be well pleased with this selection and that they will feel its duty as well good wearing privilege to wear one of these pins.

Respectfully submitted,
THE STUDENT COUNCIL,
I. D. Mac Lachlan, Sec.

REGIMENTAL REVIEW THURSDAY.

A regimental review will be held in honor of Capt. Figer Thursday evening. All cadets are requested to turn out in uniform but without arms.

The M. A. C. freshman track team won the annual meet with the Lansing high school Saturday by a score of 69 to 48 points.

THE CONSERVATION OF ORBS AND RELATED MINERALS.

"In my opinion we should watch closely all the important industries, and begin both to save and to use them more wisely."

"Let us begin with iron: We must in all possible ways lessen the demands upon it, for it is with iron and certain compounds, 100 tons of heavy freight by rail requires an 8-ton locomotive and twenty-five hundred tons of coal (each of 40-ton capacity) or 580 tons additional, so that including switches, frogs, filling up any possible accident slots, the carriage requires the use of an equal weight of metal. The substitution of water-carryage for rail-carryage would reduce the consumption of iron by three-fourths to seventeenths in this department. At the same time the conservation of coal for motive power would be reduced 259% to 72%, with a corresponding reduction of the coal required for smelting. No single step open to us today would do more to check the drain on iron and coal than the substitution of water-carryage for rail-carryage whenever practicable, and the careful adjustment of the one to the other throughout the country.

The next great use of iron is in construction, especially of buildings and bridges. Fortunately the use of concrete in the construction of the one to the other throughout the country.

"A promising mode of reducing iron consumption is opening through the development of iron alloys. The making of steel was first an accident, and long the secret art and mysteries! It was not until after the Republic was founded that steel was recognized as an alloy of iron and carbon, and it was not even within the memory of men now present that nickel, silver, zircon, tungsten and other materials were scientifically alloyed with iron to yield those protein modern steels adapted to an ever increasing range of uses. And the end is not yet; every expert knows that metal alloying is in its infancy.

"Among the most amountable materials of the earth crust are silica, alumina and oxygen; all with more or less affinity for iron."

(The conclusion on page 3.)
The M. A. C. RECORD.
PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR AT THE MICHIGAN STATE AGRICULTURAL COLLEGE.

THE CONSERVATION OF ORBS AND RELATED MINERALS.

Already the blooming of clay has revolutionized the industries of the world, and of late the need of superior metals, including gold, has brought the reduction of silicious ores hitherto unworkable, while aluminum, which has not been alloyed with other metals, though of use, is not too much to hope that research into the ultimate composition and relation of the commoner materials with yield both better and cheaper metals than any that have been produced, and that the discoveries alloys will help to relieve the pressure on our mines of iron, copper, zinc, silver and lead.

The most promising check on coal consumption is the substitution of other power. Naturalists tell us that there is but a reservoir of energy stored up in ages past, and that the same is partly true also of the world's wealth. The very conception of waste, including ores. The sun-livers upon each acre of the earth's surface exposed to its rays the statement that on a clear day, when the sun shines without intermission has made water-power generation a safe forecast that this method of using solar energy (for such water power as the next may be saved from want — through research into the ultimate commoner materials with yield better and cheaper metals than any that have been produced, and that the discoveries, alloys will help to relieve the pressure on our mines of iron, copper, zinc, silver and lead.

FARMER'S READING COURSES PROVE POPULAR.

Letters now being received by Prof. French go to show that interest in the revised College Extension Reading Course has been keen during the past year. The courses are proving popular among up-to-date farmers and farmer's wives who are keeping abreast of the times on agricultural subjects.

In 1913, 103 persons have read the first year's course, 15 farmers, 6 farmers' clubs, and two lodges of grangers have read the course as a club. Certificates are given on the completion of each year's course and a diploma on the completion of the four years' courses.

Following is an outline of the courses by years:

COURSE FOR MEN.

First year.—Types and breeds of farm animals; first principles of soil fertility.

Second year.—Fruit culture; farm accounts.

Third year.—Feeds and feeding; milk and dairying.

Fourth year.—Farm poultry; farm management.

COURSE FOR WOMEN.

First year.—Home economics; physical nature of the child.

Second year.—The principles of cooking; bacteria in the home.

Third year.—Sewing and dressmaking.

Fourth year.—Domestic science; sanitation and decoration of school and home.

NOTICE.

The election for officers of the "Holcar" will be held in chapel Wednesday, June 8, 1909, between the hours of 12:15 and 2:30.

The nominations are as follows:


The Michigan Agricultural College begins June 28th.

ALUMNI.

Ward Shedd of the above class was a college visitor last week. He is still located at Rockford, Ill.

E. A. Seeley, of the above class, now a practicing osto-opath in Lansing, expects to move his family to East Lansing in the near future.

There was a large attendance at the annual Y. W. C. A. banquet on Friday evening for the purpose of raising funds to send delegates to the Geneva conference this summer. Miss Katherine Koch, of the senior class, was toastmistress, and the following toasts were given: Miss Johnson, of the junior class, toasted the senior girls; Miss Mary Allen responded for the senior girls. Mrs. Stott gave a talk on the value of the association work; Miss Porter on the college Y. W. C. A.; Miss Gertrude Smith, of the U. of M., told of the Geneva conference. Miss Mabel Davis, of the Detroit Y. W. C. A., spoke of the relation of the college girl to the city association, and the banquet was served by the freshman girls.
The M. A. C. RECORD.

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A B O U T T H E C A M P U S

At a recent meeting of the club, an elected club purchasing agent for another year.

Mrs. C. L. Wiel and children returned last Thursday to their home in Detroit, after a two-weeks' stay at the homes of Dr. and Mrs. Barrows and Mr. and Mrs. A. C. Bird.

In the last three numbers of the "Journal of Education," appears a continued article by Prof. J. J. Myres entitled, "A Laboratory Course in Physical Geography," which is productive of much interest in educational circles.

Through an error of the editor in failing to properly read the dope sheet The Record's last week gave "college road," which was third place in the triangular meet with Wabash and Notre Dame. The score of points should have read Notre Dame 64, M. A. C. 38, Armour 32.

Olivet College won the M. I. A. A. field day meet held at Hillsdale last week by nearly double the points received by its closest rival, Hillsdale. The final points were as follows: Olivet 62, Hillsdale 35, Alma 18, Albion 11. Neither the Adrian nor Kalamazoo athletes put in an appearance. The relay was won by Hillsdale. Time, 3:18. 3:4. New records were made in the broad jump (20 ft. 10 1/2 inches) and in the mile and two-mile, which were run in 4:39 and 10:17, respectively. Olivet won over Hillsdale, thus securing the baseball championship.

Prof. Holbrook was in Ann Arbor Saturday.

Miss Dupre is entertaining her mother from Chicago.

H. L. Harrison, '09, received a visit from his mother last week.

FOUND.—A silver locket, set with a sapphire. Owner may have same returned at Dr. Blahdell's residence.

Dean Gilchrist will give the commencement address at the domestic science school at the Battle Creek sanitarium next week.

At a recent meeting of the Liberal Arts Union Dean Biswell was re-elected president, as were also the faculty members of the board. The following student-board members were elected: J. W. Chapin, L. M. Campbell and F. D. McLaughlin. The officers of the board of control are: Chairman, Prof. Ryder; vice, Prof. Patten; secretary, J. W. Chapin; treasurer, A. M. Brown.

Director Brewer has just received an offer from H. B. McDermott, star center and tackle in the teams of 1904 and 1905, to help in coaching the team next fall. He will take his vacation in the fall instead of his vacation in the spring. The degree of D. Sc. will be conferred upon the following American professors at the Darwin centenary at Cambridge: J. Loeb, Prof. of physiology at the University of California; C. D. Walcott, secretary of the Smithsonian Institution, and E. B. Wilson, professor of zoology at Columbia University.

Last Saturday evening, the Union Literary Society held open house for some of its friends. After an informal reception the following program was rendered: Article—Detroit, Michigan's Metropolis, E. W. Sproat; article—Making of Statuary, A. B. Mead; music—Violin duet, K. D. Van Wagenen; song—As Seen from the Seventh Hill, V. G. Branch. Mrs. Landon and Mrs. Harrison chaperoned the evening.

The alumni pins will soon be on sale at the book store.

Applications are now beginning to come in for the summer school.

Mrs. J. A. Polson is entertaining her father and mother of Milwaukee.

Instructor Chapman will enter the University of Michigan next year to take advanced work.

Lansing papers state that repair work will soon be resumed on the "college road," which was begun last fall.

Several alumni have announced their intention of being back for commencement. The regular triennial will be held next year.

The new agricultural building will not be dedicated until commencement time as previously announced. It will be ready for occupancy by next September but will probably not be formally dedicated until commencement 1910.

According to a recent faculty action candidates for admission to the four year courses of the college must present a certification of recommendation from their High School principal or superintendent. Blanks may be procured by addressing the president's office.

The Columbians and their friends enjoyed a picnic at Pine Lake, Saturday. The party left at 10:00 o'clock and returned at 9 o'clock in the evening, after a most pleasant time on the most pleasant of days. Prof. and Mrs. Ryder chaperoned the party.
ATHLETICS

WINS TWO-MILE IN WESTERN CONFERENCE MEET.

Again M. A. C. made good in last week's Chicago Conference Meet, Saturday, when Til- lotson took first in the two-mile run, thus tying Columbia for the championship. While it is remembered that at this meet is congratulated the pick of the college athletics of the middle west M. A. C.'s showing in the past two years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to onlookers. In all, four men were years has been a revelation to