THE M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 14.

LANSING, MICHIGAN, TUESDAY, MAY 11, 1909.

No. 31.

THE NEW CATALOGUE.

The catalogue of the college for the year 1908-1909 has just been issued. It is considerably larger than the former issues, and contains 191 pages of printing and illustrations.

In arrangement it differs in some respects from catalogues formerly issued. One change of note is the list of faculty and officers whose names are given in full instead of initials. An effort has also been made to distinguish the experiment station and college more clearly than before.

The course of study remains practically unchanged in the agricultural, forestry, forestry and home economics courses except that an elective in the agricultural course. The enrollment in the engineering course and 34 in the forestry course, consists of the course. Students 378 are enrolled in the agricultural course.

The grand total of 1,370 including short course and 20 summer course students, 378 are enrolled in the agricultural course, 498 in the agricultural course, and which the sub-freshman, freshman and sophomore work as given in the last catalogue was made to conform.

The list of faculty and officers shows a total of 122 people engaged in college and experimental station work. Beside those there are several others paid by the different departments.

The list of students shows a grand total of 1,370 including short course and summer course students. Of these, 56 are graduate students, 17 are seniors, 125 juniors, 202 sophomores, 411 freshmen, 71 sub-seniors, 288 specials, 273 special short course and 20 summer course students. Of the 1,042 regular course students 375 are enrolled in the agricultural course, 498 in the engineering course, 232 in the home economics course, and 31 in the forestry course. The enrolment in the forestry course consists of the senior, junior and sophomore work.

A list of the literary societies with their membership is also shown.

Lost.—A U. L. S. pin. Finder please leave at secretary's office.

CADETS BATTALION PARADE.

MILITARY MAKES FINE DISPLAY.

With only two weeks remaining before the annual inspection, Capt. Füger is putting in good time, when the weather will permit, getting the calisthenic regiment into form. This spring, for the first time, regimental drill is being carried on at this rate of 14 hours per week, and as it is an entirely new feature, considerable interest is manifested and much work being put in by officers studying the maneuvers.

As now constituted, the military organization of the students consists of a regiment of two battalions of four companies each, in addition to a band, hospital corps and signal corps detachments.

The roster is as follows:

COMMANDANT.
Captain Frederick W. Füger, 18th U. S. Infantry.

FIELD AND STAFF.
Quartermaster—G. B. Kamps.
Range Officer.—H. H. Harrison.
Ordnance Officer.—W. C. Tront.
Battalion Adjutants.—R. W. Taylor, W. L. Lapworth.
Quartermaster Sergeant—M. H. Buback.
Ordnance Sergeant.—L. C. Helm.
Color Sergeant.—Y. T. Taggart, O. C. Lawrence.
Bugle Sergeant.—A. J. Tyler.
Signal Sergeant.—E. W. Kelb.

NOTICE TO ENGINEERS.

Summer courses will be given in the blacksmith shop, foundry and machine shop beginning Monday, June 21, and closing Friday, July 30. Time may be put in at the rate of 34 hours per week. A fee will be $3.00 for the period or any part thereof. All students desiring to enroll should leave their names at the office of the Dean, Room 101, as soon as possible.

Give the high school boys a good time Saturday.

YPSILANTI CONTEST SATURDAY.

On Saturday, May 13th, will occur the annual debate between Ypsilanti and M. A. C. the two schools will try conclusions on the diamond, and in the evening will occur the annual debate, in Normal Hall. Doubtless M. A. C. will send a large delegation at that time, and they should be given the glad hand by all.

"All school events are none too common with us and should be respected when they occur. These contests with M. A. C. will constitute the biggest school event of the year, so far as the Normal is concerned. Everyone should be prepared to do his part when the day arrives, and in order that this may be done some preparation is necessary. It is none too early to know what we are going to do. Let's get ready."—Normal College News.

The above clipping serves to show that Ypsilanti is getting ready to welcome M. A. C. at the annual contest held at Ypsilanti next Saturday. Last year we won a splendid victory over Ypsilanti, and are confident that we can do the same if every student and member of the team do his part.

The debating team has not been idle and though they have not appeared before the public since the last preliminary, at which they were selected, next Saturday will show that they have been rounding into shape and will be ready to put up a good debate which will at least show a thorough knowledge of the subject. If every student and member of the faculty will do his part the team may be depended upon to do theirs.

Of the seven debates Ypsilanti has won four and M. A. C. three as follows. This year M. A. C. must win again to make the tie.

YEAR WON BY.

1904 M. A. C.
1903 Ypsilanti
1902 M. A. C.
1901 Ypsilanti
1900 M. A. C.
1999 Ypsilanti
1901 M. A. C.

NEW BOOK ON GAS ENGINES.

Gas Engine Theory and Design, a new work by A. N. R. C. Mehren, of the mechanical engineering department is now on sale at the book store. It consists of 550 pages fully illustrated from original drawings and photographs and fills a long-felt want for a concise text on this practical subject which may be had at a moderate cost.

Itcontains chapters on general principles of operation, application of gas engines, combustion, fuels, laws of gases, gas engine efficiency, explosive mixtures, mixing valves and carbureters, governing, ignition, cooling, exhaust, gas engine manipulation, testing, designs, etc., and many useful tables.

Mr. Mehren's work began on this book shortly after coming to M. A. C. last year, his primary object being to place before his students a practical work at a moderate price. It is receiving favorable criticism in the engineering press.

Published by G. W. Wiley & Sons. Price $2.50.

H. R. Pattengill in college chapel Friday night.

STILL SEARCHING FOR BODY.

A continuous search is being kept up for the body of Mr. Sayer who was drowned in the Cedar river a week ago Friday night. The water is now down to about normal for this season of the year. During the week during which he remained, the river bottom was thoroughly dragged for nearly half a mile from where the accident occurred, but without result. The search is still being continued.
EXPERIMENTAL UNION.

It is one of the duties of the Michigan experiment station to produce or procure superior tested varieties of grain, grasses, legumes, etc., for the benefit of the farmers of the state. It requires several years to determine the value or lack of value of a given variety, and much time is needed to increase a small trial lot to render its distribution wide spread. Then, too, soil and climatic conditions vary so much within even one state that the results produced by a new variety in any one locality may not hold good elsewhere.

In order to extend the trials of improved varieties and widen their distribution, an experimental union has been formed in Michigan. To members of this organization small trial lots of grains are sent to different localities. In this way it will be possible to ascertain how results in various parts of the state compare with those previously secured on the college farm and the adaptability of the variety to given localities.

This work was first undertaken on a small scale in April 1906 when 32 farmers in portions of the state where alfalfa was untired undertook the co-operative work with satisfactory results in most cases. During March and April of Michigan men undertook co-operative work with grains representing 46 counties. To all of the above banks of grains were distributed including five varieties of improved oats and one of barley. The station furnishes the seed and the co-operator pays the freight or expresses charges, makes the trial and reports, keeping the increase for his remuneration. It is believed that this system will have a tendency to stimulate rapid improvements in Michigan farm crops.

It is part of the plan to have the members of the organization meet annually at the college to compare results, exchange experiences and discuss specifications. It is intended later to include trials with corn, grass and leguminous crops, potatoes and other vegetables.

This is now a new and untried scheme. It has been successfully operated in Canada for over 20 years and is now in operation in several states.

HISTORY OF EXPERIMENTAL WORK IN AGRICULTURE AT M. A. C.

When the first agricultural college was established in Michigan in 1857 one of its functions was the carrying on of experimental work in agriculture, and to this work M. A. C. owes much of its early reputation. Little of this work was ever published in bulletin form, and what was so published is now unavailable; but the establishment of the experimental station in 1884 the experimental work became more systematized, but the earlier bulletins and many of the more popular later ones are out of print. There has also been a great deal of work done by the several departments, but which for various reasons has never been published.

This wealth of material is of value to the student, station worker, investigator or innovator farming is in proportion as it is available. In order to make it available Dean Shaw is now working on a compilation which will give at a glance all the work done along any certain line at the college both before and since the establishment of the station.

It is planned to have this work published within a few months.

The history will give a summary of all work, published or unpublished, in some instances entire reprints of important bulletins. It will prove valuable in that the greater bulk of research work will be classified and easily arranged for comparison and study.

The M. A. C. RECORD.
The East Lansing church is preparing to erect a church building on the lot east of the brick store during the coming year.

Dr. A. W. Wishart, of Grand Rapids, gave a quick, strong, sound and sensible lecture on "The Game of Life" in the chapel Friday evening.

The Ero-Alphians entertained their friends at a minstrel show in their rooms Friday evening. Boxes of candy were distributed to the guests between acts.

Tickets for the May festival will be on sale Wednesday at the secretary’s office and at A. M. Emery’s in Lansing. Price, $1.25 for the two concerts, including re- serve seat. 75 cents for single tickets.
ATHLETICS

The weather has not been entirely favorable for the rounding out of the base ball team, and, with the local field a sea of mud, it was necessary to carry on in Lansing during the first part of the week, but the contests with Lansing's Southern Michigan, M. A. C. and University of Michigan were all played.

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Beginning Monday morning, February 13rd, we shall show all the latest news and best stories in Women's and Misses Early Spring Suits, Skirts, and Waists

Every new style and color will be here in this, our first, GRAND SHOWING.

**Salts at:**
- $1.50
- $2.00
- $2.50
- $5.00
- $10.00

**Wards at:**
- $1.00
- $1.50
- $2.00
- $3.00

**Cameron & Arbaugh Co., Lansing, Michigan, Automatic Telephone Company.**

CLOTHING.


CROCKERY AND GLASSWARE.


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Cameron & Arbaugh Co., Largest and best stocked store in Lansing.

DRUGGISTS.

ROUSK'S CAPITAL DRUG STORE, 127 to 211. Counter store, opposite Michigan Theatre.

ROUSK DRUG CO., successors to Albert & Co., Druggists and Pharmacists, 101 Washington Ave. S.

DRY GOODS.

J. W. KNAPP & CO., successors to Baxter & Sons, 131 Washington Ave.

ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC ENGINEERING CO.-Electric Supplies and Stores. Telephone 1114, 15 Washington Ave. S.

FURNISHING GOODS.

EGAN MILLPEN-Furniture, Mattresses, Furnishings, Etc. See ad.

FURNITURE DEALERS.

J. A. B. BURKHART-Furniture, Corner Washington Ave. and Ionia St. See ad.

HACK AND BAGGAGE LINES.

ORDER YOUR Hacks for parties at the store, or we will send them where you wish, free to those residents of Lansing, 40 Washington Ave. N.

HARDWARE, STOVES & TIN W'RE.

NORTON'S HARDWARE-Enthusiastic Hardware, Furnishings, Oiler, Stoves, etc. 51 Washington Ave. S. See ad.

HUMMEL'S HARDWARE-Enthusiastic Hardware, Furnishings, Oiler, Stoves, etc. 51 Washington Ave. S. See ad.

ICE CREAM, SHERBERT AND ICES.

A. A. ELLIOT, 522 Washington Ave. E. Make all kinds of Fancy Ice Cream, Sherbets, and Ice Creams. See ad.

JEWELERS.

CHAS. A. DIETZ-Jeweler and Optician, 103 Michigan Ave. S. See ad.

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MANICURE AND HAIRDRESSING.

MRS. C. C. CHITTENDEN-Manicure and Haircutting, 303 Washington Ave. S. See ad.

MUSIC, PIANOS, ETC.

G. R. GRAY, Pianos, Organs and Music, 524 Washington Ave. N. See ad.

O'CULISTS.

CHAS. G. JENKINS, M. F. Optometrist, 1207-8 and 1206-7 Michigan Ave. E. See ad.

PHYSICIANS.

D. H. W. LANDON, 1204-5, Office Open 9 a.m. to 12 noon and 1 to 4:30 p.m., Lansing Medical and Surgical Hospital. Office hours 9 a.m. to 4:30 p.m., New phone 1334.

PLUMBERS.

SHIRLES & LEAKLEY—Plumbers and Gasfitters, 100 Washington Ave. S. Lansing. Both phones.

ROOMS.

STANLEY'S FURNITURE CO.-Furniture, 103 Michigan Ave. S. See ad.