

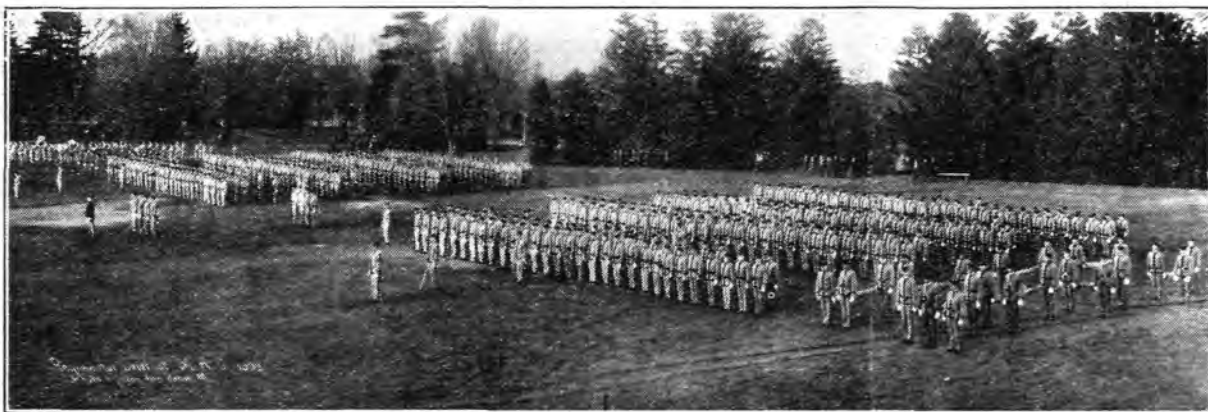
The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 14.

LANSING, MICHIGAN, TUESDAY, MAY 11, 1909.

No. 31.



CADETS BATTALION PARADE.

THE NEW CATALOGUE.

The catalogue of the college for the year 1908-1909 has just been issued. It is considerable larger than the former issues, and contains 194 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 and home economics courses except that an elective series in agricultural education has been added in the senior year of the agricultural course. In the engineering course the work of the junior and senior years has been revised to conform to the 25 credit system which was adopted last year and which the sub-freshman, freshman and sophomore work as given in the last catalogue was made to conform.

The illustrations, with few exceptions, are full page and show mostly campus scenes rather than buildings or interior views. Cuts of the football team and band are also shown.

The list of faculty and officers shows a total of 123 people engaged in college and experiment station work. Besides these 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, five are graduate students, 116 are seniors, 125 juniors, 202 sophomores, 392 freshmen, 214 sub-freshmen, 88 specials, 213 special short course and 20 summer course students. Of the 1,042 regular course students 378 are enrolled in the agricultural course, 498 in the engineering course, 232 in the home economics course and 34 in the forestry course. The enrollment in the forestry course consists of the seniors, juniors and specials only.

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

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

MILITARY MAKES FINE DISPLAY.

With only two weeks remaining before the annual inspection, Capt. Fuger is putting in good time, when the weather will permit, getting the cadet regiment into form. This spring, for the first time, regimental drill is being carried on at the drill grounds, and, as it is an entirely new feature, considerable interest is manifested and much work is 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. Fuger, 13th U. S. Infantry.

FIELD AND STAFF.

Majors.—C. C. Taylor, C. J. Oviatt.
Adjutant.—W. D. Frazer.
Quartermaster.—G. B. Kamps.
Range Officer.—H. H. Harrison.
Ordnance Officer.—W. C. Trout.
Battalion Adjutants.—R. W. Taylor, C. W. Lapworth.
Sergeant Majors.—O. L. Snow, H. B. Ihnken, L. T. Burritt.
Quartermaster Sergeant.—M. M. Babcock.
Ordnance Sergeant.—L. C. Helm.
Color Sergeants.—V. N. Taggett, O. C. Lawrence.
Color Corporals.—L. G. Kurtz, A. J. McVittie.
Bugle Sergeant.—A. J. Tyler.
Signal Sergeant.—E. H. Kolb.
Hospital Sergeants.—M. L. Tower, Bert Shedd, C. H. Ponitz, J. L. Whitney, C. D. Mason.

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 44 hours per week. The 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 15th, will occur the annual contests between the Normal College and M. A. C. In the afternoon the ball teams of 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 at home. This year's success depends largely upon the support we give our teams. The base ball team has shown its strength in the few games already played and is growing better every day.

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 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.
1902.....	Ypsilanti
1903.....	"
1904.....	M. A. C.
1905.....	Ypsilanti
1906.....	"
1907.....	M. A. C.
1908.....	"

Thirty-five schools and 300 entries in the inter-scholastic meet.

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, but the rains during the week have kept it so muddy that the work has been greatly hindered. Saturday the river bottom was thoroughly dragged for nearly half a mile from where the accident occurred, but without results. The search is still being continued.

MACHINE SHOP WORK ON PRACTICAL BASIS.

An interesting feature of the machine shop work in the engineering department is that it is now entirely on a practical basis. All exercise machine work, as such, has been eliminated and the student goes at work at once on some part of a useful and practical machine which is being built for use in the department.

At present there are being built two 18x18x72 inch metal planers, one 88 inch pattern lathe, an 8 h. p. rotary converter and a supply of fine machine tools. These machines were not only designed at the college, but the patterns from which the castings were made as well as the castings themselves were made in the college shops and formed practical exercises in that line.

The shops will be open during the summer until the first of August, which will give opportunity for those who desire to get off a large amount of their shop work.

NEW BOOK ON GAS ENGINES.

Gas Engine Theory and Design, a new work by Instructor A. C. Mehrtens, of the mechanical engineering department is now on sale at the book store. It consists of 250 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.

It contains 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. Mehrtens began work 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 John Wiley & Sons. Price \$2.50.

H. R. Pattengill in college chapel Friday night.

The M. A. C. RECORD

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

W. J. WRIGHT, '04, MANAGING EDITOR

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TUESDAY, MAY 11, 1909

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 demonstrate 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 the members of this organization small trial lots of grains are sent to be grown under certain regulations and the results reported to the director of the experiment station at the end of the season. 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 a given locality.

This work was first undertaken on a small scale in April 1908 when 32 farmers in portions of the state where alfalfa was untried undertook the co-operative work with satisfactory results in most cases. During March and April 93 Michigan men undertook co-operative work with grains representing 46 counties. To these men 62 1/4 bushels of grain 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 express 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 this organization meet annually at the college to compare results, exchange experiences and discuss future plans. It is intended later to include trials with corn, grass and leguminous crops, potatoes, fertilizers, etc.

This is not a new untried scheme. It has been successfully operated in Canada for over 20 years and is now in operation in several states.

INTERSCHOLASTIC SATURDAY.

Indications now point to a record breaker at the annual Central Michigan Interscholastic meet which will be held at the college next Saturday. With favorable weather conditions

SIXTH ANNUAL MAY FESTIVAL BY THE M. A. C. CHORUS

ASSISTED BY

MR. FRANK CROXTON, Basso
MR. CECIL JAMES, Tenor
MISS MARIE STODDARD, Soprano
MR. HENRI ERN, Violinist
MISS MINNIE DAVIS, } Pianists
MISS EDNA HOPSON, }

AFTERNOON PROGRAM.

- (a) Had a Horse - - - - - Korbay
(b) Monotone - - - - - Cornelius
(c) Shepherd, See thy Horse's Foaming Mane - - - - - Speaks
MR. CROXTON
- Introduction and Rondo Capriccioso - - - - - St. Saëns
MR. ERN
- Duet—Crucifix - - - - - Faure
MR. CROXTON—MR. JAMES
- (a) My Mother Bids me Bind my Hair - - - - - Haydn
(b) Chanson Provencale - - - - - del Aqua
MISS STODDARD
- (a) You Flaunt your Beauty and the Rose - - - - - Lehman
(b) Primavera - - - - - Salter
(c) Because of You - - - - - Andrews
MR. JAMES
- (a) Serenade - - - - - Ern
(b) Love Song - - - - - Vieuxtenyos
(c) Polonaise (D major) - - - - - Wieniowski
MR. ERN
- Trio from Faust
MISS STODDARD—MR. JAMES—MR. CROXTON

EVENING PROGRAM.

- Oratorio, The Seasons - - - - - Haydn
M. A. C. CHORUS, assisted by the soloists.

an ideal meet is expected, at which new records will probably be set. Entries now in assure a large attendance.

The present records are as follows: 100 yd. dash, Cornwell, Ann Arbor, 10 and 1.5; 220 yd. dash, Widman, Detroit, and Cornwell, Ann Arbor, 23 1-5; 440 yd. dash, Griffin, Lansing, 54 3-5; half mile run, Sullivan, Grand Rapids, 2:3 and 3-5; one mile run, Kennedy, Stockbridge, 4:47; 120 yd. low hurdle, Garrels, Detroit, 14 1-5; running broad jump, Pierson, Traverse City, 19 feet and 9 and 1/2 inches; running high jump, Stalker, Detroit, 5 feet and 9 and 1/4 inches; pole vault, Shaw, Muskegon, 11 feet; 12 lb. shot put, Sonastine, Orchard Lake, 42 feet, four inches; 12 lb. hammer throw, Kohler, Lansing, 161 feet; one-half mile relay, Ann Arbor, 1:39 and 1-5.

DRAWING EXHIBIT.

A display of public school drawings from different schools of the state will be on exhibition at the drawing department on Thursday, Friday and Saturday of this week. Friday evening, in the physics lecture room, at 7:30 will be held a meeting of superintendents and teachers of drawing and others interested to discuss the subject of drawing education and means to further the teaching of art in the state. Miss Alice Guysi, Supt. of Drawing in the Detroit public schools, and others will speak.

It is planned to make this an annual event at the college.

This exhibit is open to any school in the state, and is not competitive as stated last week.

Prof. French was unable to meet his classes Monday on account of illness.

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. With the establishment of the experiment 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 inquiring farmer just 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 completed within a few months.

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

Prof. King and several students assisted in the concert given by the Baraca Glee Club at the First Baptist church, Lansing, Friday evening.

ALUMNI

With '61.

T. A. Stephens, of Stockbridge, Mich., a student at M. A. C. in '58, was a college visitor Saturday and took in the M. A. C.—D. U. S. game. There were three residences, college hall, a dormitory and a brick barn when he was a student. The total enrollment that year was 47.

'81.

C. W. McCurdy is now a practicing physician at Philadelphia, Pa. His office is in the Witherspoon Bldg.

'89.

J. W. O'Bannon is with Eugene Williams & Co., real estate, Minnola, Kansas.

'91.

An enthusiastic friend of the college writes of K. L. Butterfield, of the above class, now president of the Massachusetts Agricultural College, as follows: "I want to tell you that President Butterfield is making good in the Bay state. He has had an uphill fight, and while a complete victory has not yet been made, there isn't any doubt in the minds of those who know him best that he will place his institution at the head of its class. He has organized his departments in a thorough businesslike way and put such ginger into the heads of the departments that things are humming."

'92.

Wm. P. Hawley, now in the Mechanical Drawing Department of the Lewis Institute, writes that he has changed his address to 320 N. 64th Ave., Oak Park, Ill.

'98.

T. L. Hankinson is now head of the department of Zoology in the Charleston, Illinois, State Normal Schools.

'04.

N. L. Snyder is with the Oliver Chilled Plow Co. and has charge of the western trade. June 1st his address will be San Francisco, Cal., care of Oliver Plow Co.

'05.

E. G. Kenny writes that he has been transferred to South America. His address is care of La Plata Cold Storage Co., 383 Bartholomew Mitre, Buenos Ayres, Argentine, S. A.

With '05.

By the state papers we notice that Miss Elva Davis was one of the many greenhouse proprietors to suffer from the hail storm which swept over the vicinity about Ionia last Thursday. Hardly a glass was left in her houses, and 10,000 violet plants were destroyed.

'08.

J. V. Gongwer, assistant engineer in the state highway department, Lansing, will go to Seattle after July 1 to take a position under City Engineer R. H. Thompson, one of the best known civil engineers in the west. He will get an increase in salary from \$900 to \$1,500 a year.

H. M. Conolly is now in charge of the landscape department of Leesley Bros. nursery at North 40th and Peterson Ave., Chicago. He has charge of planting and designing.

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ABOUT THE CAMPUS

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

R. L. Taylor, M. L. Johnson and J. W. Chapin, all '10 agricultural students, are being initiated into the Alpha Zeta this week.

Dr. A. W. Wishart, of Grand Rapids, gave a 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 placed on sale Wednesday at the secretary's office and at A. M. Emery's in Lansing. Price, \$1.25 for the two concerts, including reserved seat. 75 cents for single concert.

The last entertainment on the East Lansing entertainment course will be given in the college chapel Friday evening of this week by H. R. Pattengill, on the subject, "Nancy Hanks and the Nineteenth Century."

Three instructors and two students, while assisting in the search for the body of Mr. Sayer, Saturday, were accidentally thrown into the river by the overturning of their canoes. They were able to get out quickly, and, aside from a good ducking, suffered no inconveniences.

W. Postiff has accepted a position in the Bureau of Entomology, Dept. of Agriculture, as scientific assistant.

In the varsity track try-out Saturday many surprises were sprung which raises hope for the annual Notre Dame meet Saturday.

Students of the U. of M. are planning to present President Angell with a \$1,000 loving cup on the occasion of his retirement from the presidency of that institution.

G. E. Smith, '12, reports that at his home at Medina, N. Y., a carrier pigeon recently arrived, bearing a tag marked M. A. C. '07-63. As this college has no pigeons, it may belong to the Massachusetts Agricultural College.

The Aurean society gave their spring term party at the armory Saturday evening which was made specially enjoyable by its informality. The patrons were Instructor and Mrs. C. W. Chapman, Prof. and Mrs. James Halpin and Prof. and Mrs. W. O. Hedrick.

A dinner party and dance was given Saturday evening by the Eclectic society. At dinner, which was served at 6:30 o'clock, covers were laid for 63 couples, the guests being seated at ten tables. Dinner was followed by dancing until 11 o'clock, for which Berger's orchestra furnished music. The patrons for the evening were Coach and Mrs. Brewer, Prof. and Mrs. H. J. Eustace and Prof. and Mrs. H. L. Reed.

In the preliminary inter-society relay Saturday, the Hesperian, Phi Delta, Eclectic and Eunomian societies qualified for the finals. They will be run in the near future.

"It takes more than a mortar board cap, a frat pin, a bull dog pipe, a varsity suit, big enough in the trousers to make fourteen pairs, and a rah, rah, rah, ziss, boom, ah tiger, to make a man."—*Billy Sunday.*

If the day looks kinder gloomy,

An' yer chances kinder slim.

If the situation's puzzlin';

An the prospects awful grim,

An perplexities' keep pressin',

Till all hope is nearly gone,

Jest bristle up an' grit your teeth,

An' keep on 'keepin' on.'—*Etc.*

F. C. Kenney, formerly cashier of the college, is occupying a position of increasing responsibility at Amherst. He has reorganized the accounting system and put the accounts of the college on a thoroughly business basis. He is also the general business officer of the institution, having charge of buildings, projects, repairs, etc.

A design for an alumni pin is now in the hands of the student council and which will probably be adopted as the official pin. It is a small 14 karat pin with the initials M. A. C. across the center of the nugget background. Above the initials in small letters is the word alumnus and beneath "founded 1857." The pins will sell at \$2.00. Orders will be filled through the student council for the present.

SOPHOMORE ORATION CONTEST.

Because of the banquet of the New York Club on Friday evening, the 14th, and because of the debate with Ypsilanti on the following night, it has been deemed wise to postpone the second preliminary oration contest until Monday evening, May 17, at 6:30 o'clock. One of these contests will be held in the chapel, the other in the Union Literary Building. The following men will speak in the chapel, in the order given, this order having been determined by lot:

B. W. Keith	George Brault
Leo B. Scott	Clare Brackett
H. E. Dennison	D. D. Wood.
G. H. Collingwood	E. C. Lindemann
Harry L. Baker	W. R. Walker

At the Union Literary building:

J. R. Cornwell	L. P. Walker
Alexander McVittie	Ralph W. Powell
James G. France	A. J. Runner
Wm. I. Millar	H. S. Peterson
E. E. Thompson	Henry B. Wales

Five men will be selected from each group, the ten to speak at the final contest.

"How is your brother, Tommy?"
"Sick in bed, miss; he's hurt himself."

"How did he do that?"
"We were playing at who can lean the farthest out of the window, and he won."—*Los Angeles Four, Elec. Med.*

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, practice had to be carried on in Lansing during the first part of the week, but the contests with Lansing's Southern Michigan league team helped to whip them into shape. Three games were scheduled for last week, only two of which were played.

M. A. C. 3—MICHIGAN 9.

M. A. C. was beaten in the second game with Michigan at Ann Arbor, Wednesday, by a score of 9 to 3, McAllister's men hitting Peterson for five safe ones in the third inning and running in six scores. M. A. C. also got three in the third inning, but at other times was unable to hit consistently.

Michigan got one in the first, and in the first half of the third M. A. C. run in its only scores, which put them in the lead for the time. Then came Michigan's turn, and the six runs safely tucked away the game.

Peterson was relieved in the fourth by Busch, who kept down the scoring until the eighth, when he allowed two doubles and a single, which netted two more runs.

Orr, Mills, Busch and Baker were responsible for M. A. C.'s scores, each getting hits in quick succession.

Ragged infield support was partly responsible for the fatal third.

SCORE.

	R.	H.	E.
Michigan	1	0	6
M. A. C.	0	0	3

Batteries, Michigan, Barr, Blanding and Enzenroth; M. A. C., Peterson, Busch and Crissey.

RAIN STOPS WABASH GAME.

With the diamond water-soaked from the recent flood, M. A. C. and Wabash started a game Thursday which was interesting for the hitting displayed by both teams. When two innings had been played a shower turned the infield into a slough and the game was called off. As the visitors were scheduled to play Notre Dame Friday another game could not be arranged. Ash, the one-armed outfielder who entered M. A. C. last year and tried out for the team, is holding the right field position for the Hoosiers, and is playing a good game.

M. A. C. 8—D. U. S. 2.

In a batfest, Saturday afternoon, the varsity severely lounded the prep. school boys from Detroit by a 8 to 2 score, the locals getting no less than 15 hits. It was a far different game than that of last year, which was a one-score tie when called after 11 innings of play, and goes to show that coach Brewer has a far heavier line of hitters this year than last, or in fact for several seasons back.

D. U. S. made the first run in the second inning, when Baughman secured a hit for two bases, followed by a hunt by Brush to Peterson, who threw wild, allowing Baughman to score.

The third was the fatal inning for the visitors. Vance lead off with a two-base hit and reached third on a hunt by Crissey, which he beat out to first. Orr followed for two bases; Mills, Busch and Harrison singled, forcing Orr home; Mills

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Waists at	-	-	-	1.00	1.50	2.00	3.00

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and Busch scoring on L. V. Belknap's hit. All nine men batted in this inning, and five scores were safely tucked away, which decided the game. M. A. C. scored two more in the fifth, and one in the seventh, and the visitors one in the sixth.

Tully, for D. U. S., pitched a good game except for the one fatal inning, seven of the fifteen hits which he allowed being secured in that period. L. V. Belknap, as usual, lead in the hitting and secured three hits out of four chances. Every other regular, except Baker, connected safely, and incidentally fattened their batting averages. The game was free from error, only two being recorded, which were charged to D. U. S.

Innings	1	2	3	4	5	6	7	8	9
M. A. C.	0	0	5	0	2	0	1	0	8
D. U. S.	0	1	0	0	1	0	0	0	2

THE SEASON'S BASEBALL RESULTS.

Apr. 17—Olivet at M. A. C.—0-1
" 20—M. A. C. at Culver—8-3
" 21—Notre Dame at N. D.
(Game called off on account of rain.)
Apr. 24—Mich. at M. A. C.—8-3
" 30—Alma at M. A. C.
(Game called off on account of rain.)
May 5—M. A. C. at Mich.—3-9
" 6—Wabash at M. A. C.
(Game called at end of second on account of rain.)
May 8—D. U. S. at M. A. C.—2-8

THE TECHNICAL CLUBS

Brief Reviews of the Meetings

ENGINEERING SOCIETY.

Last Tuesday evening Mr. F. C. Hughes, manager of the Citizens' Telephone Co., Lansing Exchange, read a very instructive paper on the subject, Automatic Telephone Practice. Upon finishing his article he discussed the operation of the automatic telephone in detail, and outlined its progress of development. He extended a hearty invitation to all interested to call and inspect the exchange at Lansing.

Tonight Mr. Zimmerman, of the Michigan Power Co., will speak.

Two village worthies were discussing a mooted point in grammar as to whether a hen "sits" or "sets" when she takes to her nest.

"Seems to me it's a heap more important," interrupted a by-standing farmer, "whether she 'lays' or she 'lies' when she cackles."

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