

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 11.

LANSING, MICHIGAN, TUESDAY, OCT 17, 1905.

No. 5

## FOOTBALL.

M. A. C. 24—U. OF M. ALL FRESH. O.

Saturday was an ideal day for the game from the spectators' standpoint, and the game was the best of the season. M. A. C. kicked off to the Freshmen, who were held for downs almost immediately. M. A. C. then lost the ball on a fumble and, after several exchanges of punts, took the ball on her own 25-yard line. McKenna then made 45 yards around left end, Babe Kratz added 40 around right end, and in a few minutes more McKenna was pushed over for the first touch down. Small kicked goal.

M. A. C. again kicked off and after see-sawing back and forth across the field, the Freshmen were forced to punt. The ball was fumbled, however, and M. A. C. secured it on the 10 yard line, and in another play or two McKenna was sent over for the second touch down. Small again kicked goal, making the score 12 to 0.

The third touch down was earned by straight foot ball, M. A. C. holding the Freshmen for downs every time they secured the ball, and slowly marched down the field, Doty being sent through the line for the third touch down. The first half ended with a score of 18 to 0.

The second half was not as snappy as the first, the Freshmen taking a little time too often. The visitors kicked off and after several exchanges of punts M. A. C. lost the ball on a fumble on her 40 yard line. The Freshmen, by two long gains, then carried the ball to our 3 yard line. It began to look as though the visitors were going to score, but M. A. C. was right on hand and threw them back three times for a loss by some very brilliant defensive work. McKenna then punted out of danger. On a long pass, which completely fooled the Freshmen, McKenna made 45 yards which brought the ball back into the Freshmen territory. The rest of the battle was fought at the visitors end of the field, Doty finally going over for the fourth and last score. Small kicked goal which brought the score up to 24 points.

The game was characterized by fast, aggressive work by both teams, the best feature of the game from M. A. C. standpoint being the defensive work of our line. The visitors repeatedly tried to break through, but were as often held up. All the men in the line, Shedd, Fisk, Boomsalter and McDermid, although outweighed by their opponents, seemed able to block their fiercest charges. The secondary defensive work by Boyle and Doty was the finest ever seen on our field. Small handled the team in an excellent manner, while the open field work of McKenna was also one of the features. Babe Kratz, after being out of the game with a lame leg for ten days was back and gained consistently during the first half. The team came out of the game in fine shape and will be in excellent condition for the contest this week. The visitors were loud in their praises of our institution and

her team and stated that M. A. C. played *good clean* ball all the way through and that they had been royally treated. Our line up: C. Burroughs; R. G., Boomsalter; R. T., McDermid; R. E., Boyle, Frazer; L. G., Fisk, Wright; L. T., Shedd, Fisk; L. E., Holdsworth; Q. B., Small; L. H. Kratz, Shedd; R. H., McKenna, Boyle; F. B., Doty.

The second team played the Flint nines on Saturday losing to them 5 to 0. Flint got her score in the first three minutes of play. The balance of the game was fought in Flint's territory altho' our boys failed to put the pigskin on the right side of the posts. Mr. Hurst was called to Elk Rapids over Sunday and "Pat" O'Gara was in charge of the team. The boys report a fine time and fine treatment. They returned on the 7:30 train Saturday evening.

Kalamazoo won from Olivet Saturday 10 to 0, and Albion from Alma, 24 to 0.

W. Gasser has been elected captain of the second football team. His position on the team is quarter.

Next Saturday Olivet comes to M. A. C. for a game which will be our first cup game this season. Olivet has an exceptionally strong team this year as many of the old players are back and several very heavy men been added to the line up. They are, of course, planning to win the game and will bring a big delegation with them. This game will practically decide the leader in the championship series as Olivet has already won from Hillsdale. Their team outweighs ours but we will have the advantage to be gained by being on our home ground. One of the bleachers will be reserved for the visitors and it is hoped that they may be treated royally. Olivet is always loyal to her teams and if we keep up our end we must also be loyal to ours. It is expected to have a rousing mass meeting the last of this week at which you should be present. Watch for announcement.

## M. A. C. DEBATING CLUB.

At the last meeting of the Club the members were well entertained and received much benefit by a spirited discussion of the question of life insurance. Messrs. J. B. Wilkinson and W. E. Piper upheld the affirmative of the proposition: "Resolved, that life insurance is a desirable investment." Some very strong arguments on the negative side were advanced by Messrs. C. A. Willson and H. C. Bucknell in which Mr. Willson made some really startling disclosures regarding the management of life insurance companies. The judge, however, decided in favor of the affirmative. Dr. Edwards acted as critic.

No debate will take place this week on account of the La Follette lecture. On October 26, the question, "Resolved, that the fundamental principles of socialism are economically sound," will be de-

bated. Owing to the increase of socialistic advocates during the last few years, this has become a question upon which all should become posted. The meeting will be open to all.

## Y. W. C. A.

Miss Gilchrist conducted the Thursday evening meeting and took for her subject, "The Three Graces." Several passages of Scripture were read responsively followed by a very interesting discussion of the passages read, and the measure to which we are responsible for the acquiring of these virtues was pointed out to us for our consideration.

## Y. M. C. A.

Last Sunday dated the beginning of the Bible classes for the school year. Although the attendance has not reached its maximum, yet the feeling among all concerned was that the classes would be better than ever this year. Most of the classes will be under student leaders, who will be ably coached by Prof. Smith.

Last Thursday Dr. Waterman gave a splendid talk to the Y. M. C. A. on the evils of using tobacco. His talk was straight forward, earnest, and convincing and was appreciated by all who heard it.

The Rev. Cottrell of Lansing occupied the pulpit Sunday morning, speaking on the value of faith to the human soul.

It is seldom that M. A. C. hears a better sermon or talk than that given us by Professor Nadal of Olivet, last Sunday evening. His language was choice, his thought clear and his delivery earnest and convincing. He urged not only Sunday worship but week day service, as man's duty to God, and said that to get the best out of life we must also give to those in need.

## HORT. CLUB.

Mr. McCue gave a short talk on the life and work of Thomas Andrew Knight, a horticulturist of England. The members enjoyed a basket of Jones' seedling pears furnished by Mr. McCue.

The following is a program for the rest of this term. We hope all who can will come out and get as much benefit as possible from the meetings.

Oct. 18, The Rural Home Grounds, Mr. Gunson.

Oct. 25, Harvesting Cherry Crop, O. K. White.

Nov. 1, Hop Industry, O. I. Gregg.

Nov. 8, Birds in Reference to Horticulture, Prof. Barrows.

Nov. 15, Review of Mendal's Law, Mr. Craig.

Nov. 22, Harvesting and Marketing Apple Crop, C. G. Woodbury.

Dec. 6, Comparison of New York and Michigan in Horticulture.

Dec. 13, Election of Officers.

## ALUMNI.

'00.

Mr. C. H. Hilton of Benton Harbor reports that during the fruit season just closed he and his father marketed 711 bushel of peaches, which graded in the Chicago market as follows: 309 bushel, extra size, No. 1; 332 bushel, No. 1; 70 bushel, No. 2. In this connection he says, "much of our fruit has been said to be by South Water street Chicago market as some of the finest handled during the season."

'00-'01.

Lieut. Mark L. Ireland, Art'y Corps, U. S. Army, is stationed at Fort Monroe, Va., in the torpedo (58th) company. He reports that the subject of submarine defence presents a new and very interesting field for the engineer, and that when the appreciation of its urgent necessity has been grasped by the nation, the attendant increase in the number of officers and men engaged upon that duty will offer a fine opportunity to many of the graduates of institutions like M. A. C., and convince them that Uncle Sam does not spend a big sum every year to give them military instruction to no purpose. Mrs. Ireland, formerly Irma Thompson, '00, decided sometime ago to take military life as the field for her art and with that in view moved to Fort Monroe where she could study her models first hand. Their address is Quarters 63 South, Fort Monroe, Va.

With '01.

D. B. Finch has secured a position as instructor in manual training in the school of Portland, Oregon, where he began work Sept. 25. He sends best wishes for a prosperous year to old M. A. C. Mr. and Mrs. Finch are pleasantly situated at 737 E. Madison street.

'05.

Geo. W. Nichols writes from Pittsburg, Pa., where he is employed with a contracting company. He occasionally sees W. C. Bennett and Wilcox at Ambridge. States that he was at Monessen a short time ago and saw George Tryon, '03, who showed him through the Page Fence Company's Plant. George asks to be remembered to the fellows.

With '05.

"The school board of the second ward, Allegheny, last night nominated Miss Jean Barris, daughter of Prof. Robert C. Barris, of the tenth ward schools, as a teacher of domestic science, to fill the vacancy caused by the promotion of Miss Irene McDermott, teacher of domestic science in the Allegheny high school." The above is a clipping from the *Pittsburg Times*. Miss Barris' friends will be glad to hear of her success. It is said that she substituted in domestic art in the Allegheny schools last year and gave excellent satisfaction.



# THE M. A. C. RECORD.

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

B. A. FAUNCE, MANAGING EDITOR

ASSOCIATE EDITORS.

E. A. WILLSON, '07.

H. S. CODY, '08.

R. H. GILBERT, '08.

I. E. PARSONS, '07.

R. A. TURNER, '08.

GRACE WARNER, '08.

CAROLINE LAWRENCE, '06.

FLORENCE GILBERT, '07.

Subscription, 50 cents per year.  
Remit by P. O. Money Order, Draft or Registered Letter. Do not send stamps.

Address all subscriptions and advertising matter to the College Secretary, Agricultural College, Mich. Address all contributions to the Managing Editor.

Business Office with Lawrence & Van Buren Printing Co., 122 Ottawa St. E., Lansing, Mich. Entered as second-class mail matter, Lansing, Mich.

This paper is occasionally sent to non subscribers. Such persons need have no hesitation about taking the paper from the post-office, for no charge will be made for it. The only way, however, to secure the paper regularly is to subscribe.

TUESDAY, OCT. 17, 1905.

## M. A. C. FORESTERS.

The M. A. C. Foresters met in their accustomed place at the regular time with Chief A. N. Robson in the chair. The interest in forestry is continually on the increase not only at our College but throughout our whole land. Many quotations given showed how the newspapers of our land keep the topic continually before the American people.

Mr. A. N. Robson who had for a short time, worked in a lumber camp up in Crawford county, Mich., this summer, gave a short account of his experiences and the way of lumbering white pine in that section. Next meeting will occur October 24. Everybody invited.

## FARMERS' CLUB.

State Commissioner A. C. Bird talked before the club on "The State Dairy and Food Commission and the Farmer." Over sixty members and faculty assembled to hear Mr. Bird's address, which was not only interesting, but gave a splendid account of the new policy adopted by the department and its relation to the economic interests of the state. Out of twenty three employees in the department, ten are M. A. C. graduates, which is very gratifying. The object of the commission is to assist the people of the state in ascertaining the purity of marketed products. It is a fact that a large portion of the products placed upon the market are adulterated in some form or other. This is not only true with manufactured, but farm produced stuff as well. It is uncertain in most instances to depend upon retailers as to purity of food stuff. His business is to buy and sell. The manufacturer endeavors to make his business profitable, and in so doing frequently overlooks the evil results coming from his adulterated products.

The policy of the department is to secure the co operation of the jobbers over the state and compel dishonest dealers to do honest business. At least eighty-five per cent of the local concerns have expressed their desire to assist the department in accomplishing its purpose. It not only serves as a means to assist in building up a good business but eliminates dissatisfaction in home

trade. The law provides that dairies may be carefully inspected to determine purity of their products supplied for human food. Through the co operation of the state board of health, the food commission has been able to ascertain sources from which adulterated dairy products come and in this way cause a thorough investigation. Very few dairymen caught watering their milk repeat the act after being required by the department to discontinue such work. Mr. Bird's talk was full of valuable pointers to students who intend to pursue any line of agricultural work. It gave all a better idea of the policy of the department and what it intends to do and is doing for the state.

Remember the Chorus meets every Monday evening. Are you a member?

Frank Carpenter, '02, and L. F. Bird, '04, were College callers yesterday.

Howard Barden, '08, received a visit from his parents the first of the week.

Secretary Hurst spent Saturday and Sunday at his home in Elk Rapids, Mich.

The cold weather of last week caused the coal to rattle into various cellars at a lively rate.

Prof. Shaw was at Caro Friday of last week where he judged stock at the fair held at that place.

John Smith, sub-freshman a, spent Saturday and Sunday with his parents at Howell, Mich.

First fall of snow on Wednesday of last week. Looked as though our fine weather had caught cold.

Several new Bible classes have been formed recently. Prof. Smith has charge of the teachers' class.

Miss Maymie Curtis of Mason was the guest of her brother, Instructor H. L. Curtis, over Sunday.

H. J. McNulty sends in his subscription to the RECORD. His address is 3855 S. State street, Chicago, Ill.

Harold G. Gaunt, '06, Alma, was a College visitor recently. Mr. Gaunt is business manager of the Almanian.

Do not forget the lecture on Thursday evening by Gov. La Follette, of Wisconsin. No one can afford to miss it.

President Snyder is in Urbana, Illinois, this week attending the installation ceremonies of President James of Illinois University.

By the building of about three yards of cement walk, one can safely get to the physics laboratory from the main walk without rubbers.

Capt. Fuger's family arrived last week, and have taken up their residence on the Delta in the house formerly occupied by Prof. Bogue.

Mr. W. S. Leonard, of the mechanical department, has presented to the library a copy of his new book, "Machine Shop Tools and Methods."

Mr. A. Johnson who occupied one of the houses on the Angel property the past year, has rented the house in Collegeville belonging to Mrs. Bowerman.

The first class game of foot ball between the seniors and sophomores resulted in a score of 10 to 0 in

favor of the seniors. Next Saturday the juniors play the freshmen.

Dr. S. W. Fletcher, head of the Horticultural Department, will give an address to the M. A. C. students and faculty in the chapel, Sunday evening at 7:00 o'clock. There will be special music. All are invited.

NOTICE.—All departments of the College and business men as well are instructed to charge or loan nothing to anyone representing the Athletic Association without a written order from the financial secretary, Mr. Brewer.

Mr. Arthur Potts who was for several years foreman of the experimental station, has returned to M. A. C. He has purchased the property of L. F. Bird, immediately east of the College orchard where he will take up his residence.

Leon F. Miner who is taking the law course at Ann Arbor, sends in his subscription to the RECORD. He is enjoying his work at the University but still has a desire for M. A. C. news. T. F. McNally, with '07, is also taking the law course at Ann Arbor.

The result of the game with the U. of M. all fresh was 24 to 0. The effect upon many of the students has been a change of "diet," especially in the line of deserts. All kinds of wagers have been made, even the sacrificing of the use of plates and knives and forks for a whole week. Were you the lucky man?

The members of the Y. M. and Y. W. C. A. tendered a reception to the faculty and new students of the College on Friday evening in the parlors of the Women's Building. The parlors and dining room were prettily decorated with autumn leaves. The evening was spent in playing games and listening to a musical program, after which light refreshments were served.

During the vacation the chemical laboratory on the second floor received considerable attention. The walls were thoroughly cleaned and the woodwork repainted, which adds very much to the attractiveness of the room. The racks for bottles, etc., are low so that the work of each student may be looked after carefully, and these racks are removed as soon as the laboratory work is over.

Prof. Taft and Prof. Jeffery attended the farmers' institute at Hanover, Thursday and Friday of last week, the local arrangements for which were made by Mr. J. W. Hutchins. Among other speakers present were Colon C. Lillie, '84; Frank F. Rogers, '83; Profs. D. B. Waldo and E. E. Burnham of Kalamazoo; Prof. Filibert Roth, of the University; Prof. Delos Fall, of Albion; W. F. Raven, of Clark's Lake, and D. E. McClure, of Lansing.

The work of filling along the north of the botanic garden west of the green house is now completed. One hundred and sixty loads of brick bats and other rubbish from old Wells Hall were dumped there, some of the dirt from the tunnels was used and it is believed the bank is now above high water mark. This is for the purpose of not only preventing inundation of plants by floods, but also to prevent the waters rushing over the pond. This portion of the garden is given up to the sun flower family which

includes,—golden rod, sun flower, astors and many other plants. After the flood of last spring many of these were removed to different portions of the garden and are now being again transplanted in the original bed. Many were so damaged that they were removed entirely and were replaced by new ones, several boxes of which have been received from Pittsburg.

The first issue of the Almanian is published as a memorial number and contains pictures of Prof. Ewing and the four students who were victims of typhoid fever last spring. From the article headed "Alma's First Calamity" we quote the following: "The cause of the siege will never be known. Skilled physicians from all parts of the state have failed to attach the blame to any particular thing. That the banquet concealed the germ is certain, but beyond that it is a mystery."

The mass meeting held in the chapel Friday noon was quite well attended and much enthusiasm aroused. L. J. Smith pre-ided and proved himself a worthy leader. K. B. Stevens acted as yell master and after practicing several of the yells Mr. Brewer was called for. He said he wanted to see 690 fellows out to help the team on and that we must have the help from the side lines. President Snyder was called to the front and stated that he was interested in football, expected to be there himself, and hoped to see a goodly number of students who would be willing to cheer the team on to victory. Capt. McKenna, Doty, McCue and Burke were in turn called for and each had something to say as to the energy and snap a team puts in'o a game when they know the student body are with them. Another mass meeting will be held next week before the Olivet game and it is hoped to have every one out at this time.

'98.

H. A. Hagadorn has recently been given the position of "Engineer of Ways and Lines" of the Shenectady Railway Co. This position is similar to the office of chief engineer but also includes that of roadmaster. Mr. Hagadorn has been connected with the above railway company since last March, previous to which time he was employed in the General Electric Works.

'01-'02

The following announcement has been received,—"Mr. and Mrs. E. Z. Nichols announce the marriage of their daughter, Kate Winifred, to Mr. Ralph M. Lickly, Wednesday, October 11, 1905, Shadyside, Mich." Mr. Lickly is a graduate of M. A. C. class of '01, and the bride was a student here for some time entering with the class of '02. The RECORD extends congratulations.

'89.

O. J. Root is secretary and treasurer of the Root & Vandervoort Engineering Co., of East Moline, Ill.

'03.

Bliss S. Brown, who was in one of the large botanic gardens near New York for some time, is now at home on the farm near Hopkins Station.

'03.

H. M. Eaton is with the Jackson Gas Company, Jackson, Mich.



## Norton's Hardware



Washington Avenue South

## EVERY KIND OF FURNITURE FOR YOUR ROOM.

Cots Folding Beds  
Mattresses  
Book Cases Desks

All Goods Delivered Free.

M. J. & B. M. Buck.



We are showing  
an unusually attractive  
line of

## Overcoats & Cravenettes

Feel certain can save you  
money and at same  
time give you latest  
and best

Spalding Sweaters  
and Supporters

Elgin Mifflin

## ATHLETES

Are the Best Judges of  
Bath Towels. That's Why

...Harvard, Yale, Princeton...

and the Leading Athletic Associations

throughout the country use **RUB DRY BATH TOWELS** regularly. Students  
will find Rub Dry Bath Towels for sale by

## JEWETT & KNAPP

See South Window Display.

## Gymnasium Shoes

We have just received a good assort-  
ment of Gymnasium Shoes, cloth tops,  
rubber soles, which we bought espe-  
cially for our M. A. C. customers. Qual-  
ity is excellent and prices very low.

RUBBER HEELS  
put on  
While You Wait

## C. D. Woodbury

HOLLISTER BLOCK

## ABOUT THE CAMPUS.

FOUND.—Bunch of keys. In-  
quire at Library.

Director A. C. True, of the De-  
partment of Agriculture (office of  
Experiment Station) was at the  
College over Sunday.

O. L. Ayers, '02, arrived Satur-  
day and will spend a month at his  
old home in Collegeville. He is  
still with the Department of Agri-  
culture, his work being in the south-  
ern states.

Mrs. Bradley and son of Kalama-  
zoo and Mr. and Mrs. Ernst of  
Kansas City, Mo., were the guests  
of Mr. and Mrs. Gunson one day  
the past week. The ladies are  
daughters of the late Hon. Franklin  
Wells.

H. L. Brunger, '02, was at the  
College Saturday and witnessed the  
foot ball game, which he says was  
the first he had seen for some time,  
and was glad as ever to see M. A. C.  
winning. Mr. Brunger is still  
drafting in Milwaukee.

Prof. C. F. Wheeler, '91, of the  
Department of Agriculture, and  
wife are visiting College friends.  
Prof. Wheeler was assistant in  
botany in this institution from '91 to  
'02. The professor does not look  
older than when he left and states  
that he is in much better health.

Considerable glassware has been  
ordered and is now on the way from  
Europe, to be used in the chemical  
laboratory. This consists of flasks  
and other necessary apparatus, and  
it is expected that there will be a  
sufficient amount so that each stu-  
dent may have a set of his own to  
work with.

The announcements of the "Sixth  
Series of Lectures and Entertain-  
ments" are ready for distribution  
and may be had on application to  
any member of the board. The  
season ticket is \$1.25, only 25c each  
for the five entertainments. Be  
sure and secure one. On sale at the  
Secretary's office.

Mrs. Anna B. Folk of Cleveland,  
Ohio, is the guest of Mr. and Mrs.  
Towar. Mrs. Folk after graduat-  
ing from Wellesley taught for some  
time in Rhode Island. She then  
attended the University of Goetting-  
en, Germany, where she received  
the doctor's degree in mathematics.

Students are kindly requested to  
abstain from the use of profane  
language, blowing of horns and all  
other unwarrantable hilarity while  
passing in the vicinity of the hos-  
pital. Let us unite in making our  
hospital and its surroundings a place  
of quiet restfulness and harmony for  
the sick ones who seek its shelter.

A very convenient piece of appar-  
atus is a large electrical fan in the  
basement of the chemical laboratory.  
By the use of the fan gases may be  
driven from the laboratory room in  
a very short time. Then by revers-  
ing the current other air can be  
forced into the room as desired.  
The current is easily controlled by  
the use of switches on the west side  
of the room.

Mr. Wilson finds dairying an all  
absorbing subject, especially with a  
few senior girls in the class. A  
day or two ago he became engrossed  
in conversation with one of the girls  
to such an extent that the cream  
which he had turned on was for-

gotten until the vat had been filled  
and "then some." The case is open  
to investigation but no serious  
results are anticipated as Mr. W.  
promises to make good for the  
cream.

For some time the students in or-  
ganic chemistry laboratory have  
been very much crowded for room  
and often two students were com-  
pelled to use one drawer for their  
apparatus. Frequently some parts  
of the apparatus were broken or  
even disappear without any knowl-  
edge on the part of the students as  
to who was responsib'e. Several  
large sections have now been added  
to this laboratory which gives  
drawer space for eighty-six students.  
This not only simplifies the work of  
caring for the apparatus, but is a  
source of much satisfaction on the  
part of the students taking this  
work.

Mr. James Dryden, manager of  
the poultry farm for the Cyphers  
Incubator Co., near Buffalo, N. Y.,  
was at the college Saturday of last  
week. Mr. Dryden was instru-  
mental in building up the large poul-  
try department of the Utah experi-  
mental station and gave considerable  
help to Montana station along this  
line, before taking up the work for  
the Cyphers people. He came to M.  
A. C. upon request of the institu-  
tion, to aid in selecting a site for  
our new poultry building and also  
help determine the number, size and  
character of such buildings as will  
be erected for the poultry depart-  
ment next spring.

An interesting experiment in  
spraying has been conducted by the

horticultural department. Several  
rows of potatoes of equal length  
were planted and the experiment  
was for the purpose of determining  
the effect of sprays. The result  
was as follows:

Unsprayed, 268 pounds; sprayed  
with bordeaux mixture every 20  
days, 350 pounds; sprayed with  
bordeaux mixture every 15 days,  
372 pounds; sprayed with bordeaux  
mixture every 10 days, 420 pounds;  
sprayed with bordeaux mixture  
every 4 days, 430 pounds; sprayed  
with lime mixture every 4 days,  
322.

Mr. Newman is building a new  
barn on his property on College  
Heights.

One of the most convenient pieces  
of apparatus in the chemical labora-  
tory is the new electrical drying oven  
made by Perry Edmonds. This  
oven is 24 by 24 inches and 28 in-  
ches high with four screen shelves,  
and will be used to dry materials to  
be used for analysis. A thermome-  
ter is placed at the top of the oven  
and when the temperature rises to  
212 degrees the current cuts off.  
When the temperature falls below  
the desired degree an incandescent  
lamp placed on top of the oven is  
lighted, thus calling attention to the  
fact. As the heat is thus automa-  
tically regulated it can be operated  
for hours without any attention  
whatever. In the wiring of this  
oven a fuse has been placed on the  
table on which it rests so that in case  
any trouble should arise in the cross-  
ing of wires, no danger from fire  
would result.



# NEW STUDENTS FOR THE FALL TERM, SEPTEMBER 1905.

Achard, Anton E, Saginaw, m  
Akers, Forest F, Williamston, a  
Allen, Ralph M, Jackson, m  
Allen, E Faye, Lansing, w  
Allett, Edwin J, Allegan, m  
Anderson, Chas M, Chicago Heights, Ill, m  
Anderson, Oscar S, Shelby, a  
Anibal, Burton J, Linden, m  
Anibal, Ben H, Linden, m  
Arnold, Edward A, Augusta, m  
Atkinson, Maude, Cassopolis, w  
Avery, Leah Pearl, Ionia, w  
Babcock, M Morton, Sangatuck, m  
Bair, M Blanche, St Johns, w  
Baker, Frank B, Kalamazoo, m  
Bandein, William T, Mt Pleasant, a  
Baumgras, William J, Lansing, m  
Beach, T. Carl Jr, St Johns, m  
Beach, Frank M, Jr, Grand Rapids, m  
Beardsley, Ray D, Hersey, m  
Beeson, Paul O, Three Oaks, m  
Bennett, Agnes, Lansing, w  
Bidwell, John N, Allegan, m  
Bignell, George A, Smyrna, a  
Bird, Marjory I, Fremont, w  
Blades, Hazel J, Lansing, w  
Blandford, Hazel J, Grand Rapids, w  
Blunden, Loyd F, Detroit, m  
Boardman, Paul H, Onsted, m  
Boettcher, Arthur, Detroit, m  
Boies, Loreta, Hudson, w  
Boss, Alward M, Sault Ste Marie, a  
Bowerman, Myron R, Hillsdale, m  
Boyd, Lee, Albion, m  
Brown, Erma Lucile, Lansing, w  
Buck, Mamie, Bay City, w  
Burroughs, Fay F, Galesburg, m  
Bussette, Charles A, Ann Arbor, m  
Caldwell, John W, Chicago Heights, Ill, m  
Cameron, Bertha C, Lansing, w  
Cantrick, Harry L, Adrian, m  
Campbell, Arthur L, Smithfield, Pa, a  
Carn, Irene G, Ann Arbor, w  
Carney, Lucile E, Decatur, w  
Carpenter, Dwight C, Lansing, a  
Carpenter, Cliff B, Orient, Ohio, a  
Casteden, Emma R, Ionia, w  
Cataline, Benton, Whitmore, m  
Cavanagh, Gordon, Mt Pleasant, m  
Chambe, Alfred A, Detroit, m  
Champion, William C, Lansing, a  
Clarke, Briggs, L, Howell, m  
Coddling, David H, Mulliken, a  
Collins, Katherine C, Charlotte, w  
Copson, Florence E, Grand Rapids, w  
Cools, Remie, Detroit, m  
Cortright, Inez, Mason, w  
Coy, Elizabeth C, Saginaw, w  
Crane, Roy G, Owosso, a  
Crittenden, Earle D, Mason, a  
Crofoot, James F, Wayland, a  
Crosby, A Hale, Three Oaks, a  
Curtiss, Charles D, Camden, m  
Dewey, Maurice J, Onsted, m  
Dice, James R, Enon Valley, Pa, a  
Dickson, Robert E, Collegeville, a  
Ducheviz, Ferdinand F, Mt. Clemens, m  
Edwards, Charles H, Houghton, a  
Edwards, Ray C, S Frankfort, m  
Edwards, Richard J, Houghton, m  
Ellis, Ben C, Clinton, m  
Emery, Clyde L, Eckford, m  
Esselstyn, Helen M, Lansing, w  
Ferguson, Mildred G, Okemos, w  
Fisher, Stacey S, Sand Hill, m  
Frazier, Daniel E, Schoolcraft, m  
Freear, George H, Kalamazoo, a  
Freyling, Robert N, Grand Rapids, m  
Frutig, Albert, Delray, a  
Gardner, Shirley M, Lansing, w  
Gardner, William L., Newaygo, m  
Geismar, Albert R., Chatham, a  
Gilbert, Glenn A., Moline, a  
Gilson, Irving, Deerfield, m  
Glicman, Maurie, Lansing, m  
Goodwin, Mary L, Ionia, w  
Graham, Olive E, Lansing, w  
Greenhoe, Claude, Sheridan, m  
Greenleaf, M. Charles, Onsted, m  
Grinnell, Carl J, Mason, m  
Grubinger, John P, Grand Rapids, m  
Hall, Florence L, Port Austin, w  
Hallock, Eugene A, Niles, m

Halstead, Grover W, Lawton, m  
Harris, John J, Lansing, m  
Hanish, Claude C., Grand Rapids, m  
Hanson, David N, Chicago, Ill, a  
Harrison, Howard H, Athens, m  
Harrison, Florence F, Highland, w  
Hatch, Ervin G, So. Haven, m  
Hatheway, Walter L, Eau Claire, m  
Hewitt, Nina Belle, Okemos, w  
Hobbs, Bertha, Mayfield, w  
Hodges, Edward B, Lansing, m  
Hodgman, Claude L, Gobleville, m  
Hoffman, Ernest G, Kalamazoo, m  
Hoisington, Russell W, Adrian, m  
Holdsworth, Robert P, M A C, m  
Hookway, William, Owosso, m  
Hooper, James, Victoria, m  
Hopphan, Karl E, N Lansing, m  
Howorth, Mabel V., Palo, w  
Hubbard, Nelson B, Marine City, m  
Hubbard, Mary B, Marine City, w  
Hubbard, Ralph, Hartford, m  
Hughes, Glen W, Eaton Rapids, a  
Hull, Helen R, Lansing, w  
Hulse, Edward G, St Johns, m  
Hunn, George W, Parma, m  
Hyde, Rufus H, Eaton Rapids, a

Ihnken, Henry B, Algonac, m  
Immel, Bessie A, West Bend, Wis. w  
Ingall, Harlow D, Morenci, a

Jacobs, Clarence E, Saginaw, m  
Jersey, Arthur M, Boyne, m

Kamps, George B, Zeeland, m  
Kelley, Fred H, Lansing, m  
Kelley, Alice A, Erie, w  
Kenpster, Harry L, Coldwater, a  
Kenyon, Maud E, Freeport, w  
Kenyon, Alma, Portland, w  
Kimball, Leo H, Jackson, a  
Kimball, John Ross, Grass Lake, m  
Kindig, Benj F, Bristol, Ind, a  
King, Earl H, Mason, m  
Kline, Justin H, Hillsdale, m  
Knauss, Hugo L, Detroit, a  
Knolls, Max, Decatur, a  
Koch, Catherine E, Buffalo, N Y, w  
Kolb, Eugene H, Unionville, m  
Koopman, Francis J, Allegan, m  
Kurtz, Raymond L, Mt. Morris, m  
Kurtz, Edward E, Blissfield, m

The remainder of the list will be published in next RECORD.

The following shows the weather conditions for the month of September.

Date	Tem- pera- ture	Am't Show- or Rainfall	Prevailing Wind Direction.	Character of Day.
	max.	min.		
1	75	54	S.	Pt. Cloudy
2	77	69	W.	Cloudy
3	66	52	S.W.	Clear
4	68	53	S.W.	Cloudy
5	70	55	W.	"
6	73	50	W.	Pt. Cloudy
7	75	49	W.	Clear
8	80	53	N.W.	"
9	80	55	E.	"
10	74	60	S.E.	Cloudy
11	80	59	N.W.	Clear
12	81	56	S.E.	"
13	65	51	N.	Pt. Cloudy
14	67	40	E.	Clear
15	74	52	S.W.	Pt. Cloudy
16	72	52	S.E.	Cloudy
17	74	63	S.E.	"
18	80	60	S.E.	"
19	83	59	S.	Clear
20	70	56	W.	"
21	76	51	W.	"
22	80	52	S.W.	"
23	68	49	N.W. & N.	"
24	75	42	N.W.	"
25	62	41	S.W.	"
26	63	39	N.E.	"
27	81	54	S.E.	"
28	88	59	S.W.	"
29	89	57	S.E.	"
30	83	61	E.	"

With '04.

Ira Butterfield, who has had charge of the Groat Grocery store on Pennsylvania avenue for some time, has secured a position with Peter Smith & Son, a large grocery firm in Detroit, and has already begun his new work. His wife (Mattie Groat, sp. '01-'03) and baby boy will join him in Detroit in a week or ten days.

CALL ON—

## LAWRENCE & VANBUREN PRINTING CO.

WHEN IN NEED OF  
DANCE PROGRAMS or  
SOCIETY PRINTING.  
122 Ottawa St., E.

## Stalker Prints

"Swell" Dance Programs  
and other good things.

At the sign of the hand  
114 Washington Ave. S.

# Correct Clothes

For  
Young  
Men  
at

## The Clothes Shop

BRUCE N. HICKEY,

120 N. Wash. Ave.

## DIRECTORY

LANSING BUSINESS and  
PROFESSIONAL MEN

The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

### BARBERS.

M. A. C. BARBER SHOP, Rooms in New Bath House. H. A. Sias, Propr.

### BOOKS AND STATIONERY.

A. M. EMERY, 116 Wash. Ave. N. Books, Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames. Fine Framing a Specialty. Up-to-Date Styles.

CITY BOOK STORE, Fountain Pens, Drafting Tools, Stationery, Cards, Engraved, Pocket Books, Card Cases and Bibles. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

### BOOK BINDERS

GEO. G. BLUDEAU & CO.—Bookbinders Account book makers, paper ruling, library and fine art bindings, file boxes, map mounting, albums, pocket books, etc. Citizens phone No. 56. 109 Wash. Ave. N.

WAGENVORDE & CO.—Bookbinders, Blank-book Makers, 109 Washington Ave. South.

### BOOTS AND SHOES.

C. D. WOODBURY.—Boots and Shoes. We shoe the students. See ad.

### CLOTHING.

LOUIS BECK.—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

### CROCKERY AND GLASSWARE.

H. H. LARNED.—China, Glass and Lamps. 105 Washington Ave. S.

### DENTISTS.

A. F. GORDON, D. D. S. M. A. C. '91, U. of M. '01. 218 Washington Ave. S. Phone, Citizens 862.

J. E. STOFFER, D. D. S. Office 105 Washington Ave. S. Citizens' Phone 1049. Former M. A. C. student.

N. H. MOORE, D. D. S. Office 411-13 Hollister Building, Lansing, Mich. Citizens phone 475.

R. W. MORSE, D. D. S. Hollister Block, Room 517. Citizens Phone 52. Bell Phone 396.

D. E. PARMELEE, Dentist, 117½ Washington Ave. S., Lansing, Michigan. Citizens' Phone, office 275; residence, 1440.

### ALL MEATS . . .

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

We make daily trips to the College. BOTH PHONES. Careful attention given to phone orders.

GOTTLOB REUTER.

Washington Ave. South.

### DRUGGISTS.

ROUSER'S CAPITAL DRUG STORE. Up to date. Corner store. Opposite Hollister Block.

ROBINSON DRUG CO., successors to Alsford & Son, Drugs and Druggists' Sundries. 102 Washington Ave. N.

### DRY GOODS.

THE JEWETT & KNAPP STORE. Dry Goods. 222-224 Washington Ave. S.

### ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC CO. Electrical Supplies. Telegraph Instruments and Telephones. 321 Wash. Ave. S.

### FURNISHING GOODS.

ELGIN MIFFLIN.—Ladies' and Gentlemen's Furnishing Goods. See ad.

### FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Cor. Washington Avenue and Ionia Street. See ad.

### HACK AND BAGGAGE LINES.

ORDER your hacks for parties at Carr's Hack Line. Livery in connection. 410 Washington Ave. N.

### HARDWARE, STOVES AND TINWARE.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Graniteware, Cutlery, etc. 111 Washington Ave. South. See ad.

### INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., (Incorporated) Hollister Block. All kinds of the best insurance. Strongest agency in city.

### JEWELERS.

CHAS. A. PIELLA. Jeweler and Optician. 121 Washington Ave. N., Lansing, Mich.

### LAUNDRY.

THE AMERICAN LAUNDRY solicits a share of your patronage. Remember the number, 309 Washington Ave., S. New Phone No. 420. Julia Findley, Prop. S. W. Doty and I. D. Smith, College Agents.

### MANICURE AND HAIRDRESSING.

MRS. O. T. CASE—Manicure and Hairdressing Parlors. Masquerade Wigs for Rent. Switches made of cut hair or combings. The France-American Hygienic Toilet Requisites a specialty. New phone 118. 222½ Washington Ave. S., up stairs.

### MILLINERY.

FOR Fine Millinery go to No. 226 Washington Ave., S. New Phone 117.

### MUSIC, PIANOS, ETC.

GRINNELL BROS. Pianos, Organs and everything in the line of music. 219 Washington Ave. N.

GO TO BAKER MUSIC CO. for the up-to-date sheet music.

J. PARKER. Piano Tuning and Repairing. Action Work a Specialty. Teacher of Violin, Saxophone, and Clarinet. Violin Repairing and all Musical Instruments. Brass and String Music furnished for all occasions. 119 Pennsylvania Ave. N., Lansing, Mich.

### OCULISTS.

CHAS. G. JENKINS, M. D.—Diseases of Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m., and 2 to 5 p. m. Citizens Phone No. 1030. Rooms 2-3-204 Prudden Block.

### PHYSICIANS.

J. W. HAGADORN, M. D.—Office hours, 11 to 12 a. m., 2 to 4 and 7 to 8 p. m. Office at 212 Washington Avenue S.; home 219 Capitol Ave.

D. R. W. LANDON. Office and residence, M. A. C. Office hours from 7 to 8:30 a. m., and 12:30 to 2, and 6:30 to 8 p. m. Sunday office hours 4 to 5 and 7 to 8 p. m. Now phone 1560.

DR. OSCAR H. BRUEGEL. Hours 9 to 11 a. m.; 2 to 4 and 7 to 8 p. m. Agricultural College, Mich. Citizens phone 1502.

JOSEPH FOSTER, M. D., Eye, Ear, Nose and Throat. Hours 9 to 12 a. m.; 2 to 4 p. m.; Sundays, 12 to 1; Evening 7 to 8. Corner Allegan St. and Capitol Ave., Lansing. Both 'phones.

### PLUMBERS.

SHIELDS & LEADLEY. Plumbing and Heating. 300 Wash. Ave. N., Lansing. Both Phones.

### SPORTING GOODS.

H. LARRABEE. Base Ball Goods, Foot Ball Goods, Tennis, Golf, Guns, Ammunition and Fishing Tackle. 325 Wash. Ave. S.