

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 11.

LANSING, MICHIGAN, TUESDAY, SEPT 26, 1905.

No. 2

## FOOTBALL.

Next Saturday will be the opening game with Flint School for the Deaf and Dumb. Good practice has been going on the past week. Very little scrimmage work has been done, but the time has been spent in getting a start and sizing up the various candidates. In numbers and quality the outlook is the best ever shown, altho not very many heavy men are in evidence. The Flint game will be called at three o'clock, and it is expected to try out all of the best candidates at this time.

The new men who are showing up well are Kurtz, Morrison, Sterling, Tanner, Allen, who is showing up well as a kicker, Burroughs, Bliss, Frazier, Reid, McKenna, the 2nd; Campbell, Meeker and Burt Shedd, brother of M. A. C.'s old center.

These are in addition to the second team of last year and others who have played on the regular. There are now sixty-six suits and the majority are in use during practice hours.

For center the race will be between W. H. Parker (200 pounds), Burroughs (200), and McDermid of last year's team. For guards and tackles, Fisk, Boomsliter, McDermid and Wright of last year, and Frazier, Shedd and Reid of new men.

For ends and backs there is a host of material from which to choose. Of last year's men McKenna, Doty, Small, and Kratz are all in fine condition and faster than ever. At ends Holdsworth and Boyle are showing up better than last year.

The enthusiasm, so essential to best results, is better than ever on account of the good schedule presented and the race in the M. I. A. A. promises to be closer and better than ever. Albion, always strong, will have most of her old team back. Olivet and Kalamazoo are both exceptionally strong, and good reports come to us from Alma.

There will be seven home games the admission to which will be 25, 35, and for the two big games 50 cents. The total at the gate will be \$2.45. Season coupon tickets will be furnished, however, to all college people for \$1.50. Under the new ruling of the athletic board every one connected with the institution is a member of the athletic association and no fee is charged for joining the same. Something will be said of this in a future issue of the RECORD so that all may know the new arrangement now in effect.

Forty-five years ago Dr. Asa Gray said that pamphlets were the pest of his life; they came so often, they were troublesome to care for and required frequent letters to acknowledge the receipt which was previous to the time of the typewriter. What would he think of pamphlets had he lived to see 1905? The U. S. department of agriculture sends out many each week, sometimes ten in a single envelope, to say nothing of as many more from other sources.

W. J. B.

## COLLEGE EXCURSIONS.

The week of August 21-26 was given up to excursions and proved to be one of the most pleasant of the summer and a banner year as to crowds. Almost every day was an ideal day. The campus had been brightened up by recent rains and the crowds that thronged it seemed to enjoy their short outing thoroughly. One old gentleman stated that this made his fifth visit to the place and from the way he had always been treated no one would surmise but what he was a gentleman. Due credit was, of course, given our trusty guides. The patronage is shown by the statement below. The excursions ran as follows: Pere Marquette, August 21 and 23; Lake Shore, 22; Michigan Central and Ann Arbor, 24; and Grand Trunk, 26. The Caro Business Men's excursion while a Lansing excursion were also visitors and seemed to thoroughly enjoy their stay.

Pere Marquette, Aug. 21.	
Detroit Division . . . . .	1178
Grand Blanc . . . . .	278
Big Rapids, Howard City . . . .	1367 2793
Pere Marquette, Aug. 23.	
St. Joseph . . . . .	611
Fremont . . . . .	1218 1829
Lake Shore, Aug. 22 . . . . .	1025
Caro Business Men, Aug. 22 . .	800
Michigan Central and Ann Arbor on Aug. 24 . . . . .	1249
Grand Trunk, Aug. 26 . . . . .	1096
Total . . . . .	8783

## Y. M. C. A.

The men's meeting Thursday evening was the largest opening meeting ever held in the Y. M. C. A. Nearly one hundred boys were present to hear the remarks of Mr. Fisk, who conducted the meeting. Several of the old men and some of the new ones spoke, emphasizing their purposes of aggressive work in the Association during the coming year. It was indeed an encouraging beginning.

Rev. E. M. Lake preached a strong opening sermon in chapel Sunday morning. It is well to remember that in these Sunday morning services the strongest ministers put forth their best efforts, and it is an opportunity that no student should miss.

Mr. Hurst conducted the men's meeting in chapel Sunday evening, and gave a talk on the necessity of a firm stand at the beginning of a college course. Dr. Waterman and several of the students added to the speaker's remarks some suggestions for a proper beginning. Dr. Waterman's appeal to the manhood of the students to stand on right principles was especially strong and effective.

Mr. Collingwood will talk on the needs of Bible study in the men's meeting next Sunday evening. All who have heard Mr. Collingwood before will realize that they cannot afford to be absent from this meeting.

Let us make next Thursday's meeting stronger than that of last week's.

## Y. W. C. A.

The first meeting for the year, which was held Thursday evening, was in charge of the president, Neina Andrews. The subject was "The Life Giving Stream," and the lesson was taken from Ezekiel 47.

## Y. M. C. A. RECEPTION.

Friday evening at 7:30, about one hundred and fifty men, students old and new, and members of the Faculty, gathered in the Y. M. C. A. rooms to enjoy the opening reception given by the Association. The first hour was spent in forming new acquaintances and renewing old friendships. After this a few "stunts" were performed which produced an immense amount of merriment. Among these were the sword fight, the wooden shoe waltz, the rooster fight, and the obstacle race.

After a scramble for apples in the middle of the floor, several of those present were called upon for short speeches. Those who spoke were Pres. Snyder, Dr. Edwards, Messrs. Gunson, Fisk and Hurst. Mr. Locke, who had charge of the reception deserves a great deal of credit for its success.

## HERE IT IS AGAIN FOR M. A. C.

The year books of the U. S. Department of Agriculture are very valuable and up-to-date. The last one received for 1904 contains thirty-three special contributions of which three are by graduates of M. A. C., viz.: Sugar-Beet Seed Breeding, by J. E. W. Tracy, '96, Promising New Fruits, by W. A. Taylor, '88, Boys' Agricultural Clubs, by D. J. Crosby, '93. For the year 1903 the proportion was a little better; there were fewer articles, of which there were three by men from M. A. C., viz.: W. A. Taylor, '08, J. W. Toning, '89, L. H. Dewey, '88.

## FRESHMAN'S LETTER NO. 1.

Dear Mother: I arrived last week  
And classified all right.  
I showed the recommending note  
I got of Mr. Knight.  
I'm settled in my boarding place.  
Have paid my first month's bill,  
Have bought a campus ticket,  
And now can roam at will.  
Now, Mother dear, you know I'll keep  
The promise made to you,  
And will not try to play football;  
You know your boy is true.  
I haven't been around much yet,  
Have been in every night.  
I have to study pretty hard  
To keep my work up right.  
My books are costing something more  
Than I had thought they would;  
Of course you know that I have been  
As saving as I could;  
But somehow money slips away  
And mine is nearly gone.  
I wish I might have fifty more.  
Your loving sonny,

JOHN.

## ALUMNI.

With '61.

Hon. H. B. Carpenter, '57-'58, died at the home of his brother, Rev. M. B. Carpenter, of Lansing, on Aug. 7. He had been a sufferer from bladder trouble for several years, but was confined to his bed only a few days before his death. Mr. Carpenter was a native of New York, but came to Michigan with his parents in 1855 and settled near Lansing. He studied law and was admitted to practice in 1861. He enlisted in the civil war, and was made third corporal, rose to the rank of 2d lieutenant, then to captain in 1864. Since the close of the war he has followed the profession of law. Mr. Carpenter held many positions of trust and honor, and was highly respected by all who knew him.

'67.

W. W. Tracy was at M. A. C. on June 10. Mr. Tracy was professor of horticulture and superintendent of the gardens in '70-'72. He was, at the time of his visit here, on a trip to examine the co-operative variety tests of vegetables at various institutions and return to Washington July 15. Prof. Tracy is not only a graduate himself, but has four sons, all of whom claim M. A. C. as their alma mater. They are, W. W. Tracy, Jr., who is also with the department of agriculture at Washington, and was taking a trip much the same as his father during the summer. He is the author of some of the most valuable pamphlets issued from the department. Harry Tracy, '94, is employed by a large seed house in California. Stephen Tracy, '96, is traveling in California for the E. J. Brown Seed Co., and J. E. W. Tracy, '96, is traveling in the West looking after the work of growing improved sugar beet seed.

'88.

A. B. Ide, with above class, and family spent a day on the campus during the summer. Mr. Ide states that a great many changes have taken place since he was a student here which makes him feel that he should like to be young again, and come back to the old place to enjoy the added advantages which are now to be had.

'01.

H. T. Thomas has recently been elected mechanical engineer of the Reo. Car Company at Lansing.

with '05.

George Quincy Eby, with the above class, was married on Aug. 23 to Miss Nellie C. Dahl at South Haven, Mich. Mr. Eby has charge of the work on two large farms and finds plenty to do. Many of our college people will remember Mr. Eby as a student in the agricultural course in 1901-'02. The RECORD extends congratulations.

Glenn C. Brigham sends in his subscription to the RECORD. He is at present taking a pharmacy course in the Ferris Institute. His address is 416 Linden St., Big Rapids.



# THE M. A. C. RECORD.

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TUESDAY, SEPT. 26, 1905.

"WORK as tho' you were to live forever; live as tho' you were to die to-morrow."

W. N. FERRIS gives the following definition of an educated man: "One who realizes his own resources; realizes the resources of the great world about him, and can so unite these two as to bring about the best results in his every day life."

NAMES and addresses of several of the members of the '05 class have come to us and next week we hope to publish a complete list of the same. If you have changed your location recently please let us know about it. Now that you are alumni please number the column under that name and write to us concerning your work.

## THE MEMORIAL BUILDING.

For many years the Young Men's Christian Association at M. A. C. has occupied a room in Williams' Hall, which has served in a small measure as a social gathering place for students and for the religious meetings of that association. It is obvious to anyone acquainted with the situation at the College, isolated as it is from the city, that it has great need of opportunity to promote the social and religious welfare of its students. The growth of the institution within the past few years has rendered its former provision for this end entirely inadequate, if, indeed, it ever was sufficiently comprehensive.

Recognizing the desirability, and indeed the necessity, of more generous and better equipped quarters, the local Y. M. C. A. in conjunction with the State Association, began agitating the question of building a commodious Y. M. C. A. building at the College, and, as a necessary preliminary, to look the matter to the State Board of Agriculture with a request for a convenient site and financial assistance in launching the enterprise.

The first hearing before this body developed the fact that the Board's view of this matter involved a broader and more comprehensive plan than that presented by the committee. It took the ground that,

as the managing board of a state institution, it was not warranted in making grants to any religious or sectarian association, even one so catholic as the Y. M. C. A. The proposition was, therefore, made, that instead of attempting to build a distinctively Y. M. C. A. building that funds to the extent of \$25,000 be solicited to build a memorial building which should embrace quarters for the students' religious organizations, for general social gathering and for many necessary and desirable accommodations of the student body, and that it should at all times be under direct authority of the board of control.

On this basis the board of agriculture, at a meeting held in Grand Rapids on August 30th, passed a resolution granting a site upon the campus for such a building and \$5,000 financial aid, the latter conditional upon \$20,000 being raised by the alumni and friends of the College. The president of the board, Mr. Monroe, President Snyder and the secretary were appointed a committee to have in charge the plans for the building and the soliciting of funds.

Mr. Bowd, the College architect, has already made a preliminary sketch of the building, and this will soon be developed into a permanent and definite form, when we shall hope to present it to the readers of the RECORD in the shape of a neat cut that will convey to their minds a very definite idea of the proposed building.

The following are extracts from a letter written by D. J. Crosby, '93, a former editor of the RECORD, and now with the department of agriculture (office of experiment station) at Washington: "I have just returned from Kansas, and I must say that I was agreeably surprised at the equipment of that institution—its fine stone buildings in which beauty and utility are combined with such massiveness as to indicate permanence. I found V. M. Shoesmith, '01, busy with his crop work, but willing to give up the day to showing me around. He has recently been promoted to the position of assistant professor of agriculture. I took dinner and supper with him and Mrs. (Elsie Morrison) Shoesmith, and had a little visit with Howard Severance, '01, who returned that same afternoon to St. Louis.

"My stop at Manhattan was made on my return from Norton county, Kan., where in company with Pres. E. R. Nichols, of the K. S. A. C., County Superintendent of Schools, Culter, and H. H. Gerardy, principal of the Norton county high school, I made a horse and buggy canvas of the county in the interests of an agricultural course which is offered this fall for the first time in the county high school. We drove about 125 miles through Kansas dust with the temperature going as high as 104 degrees at times, made addresses at eight different points, slept and ate in farm houses and found the accommodations better than in the hotels. And the farmers are prosperous, even if some of them do live in "soddies." We took dinner one day in a sod house which furnished a most happy surprise both to our esthetic taste and to that other taste, which had been sharpened by a long drive over rough roads. Outside the "soddy" had every appearance of florists' sod

compost with sunflowers growing over the top, except that there were windows and doors and a morning-glory growing over one end. But inside! The walls were papered and plastered; the floors and other woodwork would have done credit to the best frame farm house; there was a good piano and furniture in keeping; the kitchen-dining room was neat as a band box, the range was one of the modern high-shelf kind, the furniture plain but serviceable, and in one corner a telephone put the family in direct communication with nearly half the farmers of the county as well as with the village merchants from whom supplies could be ordered in the morning to be delivered by the rural mail carrier before noon. I tried to imagine the contrast of forty years ago, when droves of buffalo shook the prairie, and the only roads were trails; when neighbors could only be spoken to after a day's ride and it took weeks to bring in supplies. It was no uncommon thing as we drove about Norton county to see three or four steam thrashers at work or to count from one point fifteen or twenty windmills—more than one could see in a day's drive in "Old Maryland." We thoroughly enjoyed our ten days among the farmers whom we found as hospitable as the typical Southerner has the reputation of being. They were a little skeptical about the agricultural course, but some of them will send their boys and if the right man has been chosen to take charge of the agricultural work, it will not be long before the agricultural course is as popular as the college preparatory, the normal and the business courses have been.

"On my return trip I missed connections in Kansas City and had eight hours to wait, but soon ran across Miss Norma Searing (with '04) who had nine hours more in Kansas City. We joined forces for the afternoon and took two long street car rides—one to the new 1300 acre reservation, known as "Swope Park," which has some of the finest possibilities for artistic development of any city reservation in the middle west. Miss Searing was on her way to Edmond, Oklahoma, where she takes charge of the work in anatomy, physiology and physical training in the Central State Normal school."

## A LETTER TO THE COLLEGE BOY.

Now, boy, your off to college. You leave home never to return. There'll doubtless be a lad of your name returning occasionally to that home, but the same boy will never come back. Will it be a manlier, truer, nobler, stronger, kinder lad? Father has an occasional misgiving and mother a heartache as their memory quickly runs the gamut of your boyhood life. Ah, lad, don't let the new scenes and associations make you for a moment forget the warm old hearts throbbing for you.

Keep clean, be true, win out!

In the first place make good in your studies; else your college career will be exceedingly short and not especially sweet. Lay out a specific time for study each school day, get your lessons a little better than "well enough"—in these days of competition big fortunes are made or lost on small margins. Take time each day for some healthy, outdoor exercise and a systematic training in the "gym." Make good in

baseball, football, track events if you can, but don't be fool enough to make athletics and sports your majors.

Choose good associates, but don't be clannish and snobby. One of the best things about a college course is the pleasure of choice and intimate association with tip-top acquaintances. The fun of a college course is no mean factor in a happy life; but the fun must be of the kind that shall leave a good taste in the mouth.

Keep out of the saloons. You have no business there. For the sake of your own good name and that of your home and kin, be found in no place where you would be ashamed to have your father or mother see you. Use no language you would not be willing to have your mother hear. Treat every woman with the courtesy and respect with which you would like to have your mother or sisters treated. Do not use tobacco in any form. You'll see some of the professors using it, but on this subject dad knows as much as they do, and he wants you to wait till you are using none of his money before you take on the handicap of the tobacco habit.

Ally yourself with the Students' Christian Association and the Lecture course. Use the library. Read the references given by your instructors. You will probably never have another time in your life to make companions of so many noble and inspiring books.

Attend divine services at least once each Sunday. It's a one sided education that omits the moral and religious phase of man's make-up. Write home frequently.

And, finally, as our vigorous and typical American president says: "Fight fair, don't foul, and hit the line hard."

Yours for keeps, "DAD."

—Moderator Topics.

Five junior students are taking forestry.

A diploma of award has been received by the forestry department from the St. Louis Exposition.

The M. A. C. Women's club will hold its first meeting of the year next Monday afternoon at 2:30 p. m. at the home of Mrs. Marshall.

The M. A. C. Sunday school has begun its work for the year, and with added quarters in the new school house will be able to take care of all who come.

Have you subscribed for the RECORD yet? Help us to swell the subscription list,—then help us to get hold of items which should be published.

O. M. Riggs, instructor in chemistry at the College during 1903-04, has charge of the chemistry work in the Portland, Maine, high school for the coming year.

Several new pieces of furniture have been added to various rooms in the Women's building. Some very neat chairs have been placed in the reception room and parlors, two handsome divans are also to be placed one in either end of the parlors, and enough good substantial chairs added to accommodate all visitors. The study and lunch rooms in the basement have not been forgotten, and two dozen chairs of a neat pattern have been placed here for the accommodation of those living outside the building. Other improvements are also soon to be made which will be mentioned later.



## A Few Seasonable Necessities.....

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lustrous black kid for general wear, and the  
smooth, dull "Gun Metal Calf." Note the  
smart Blucher effects and the natty Gibson and  
Court ties, with wide ribbon laces for party  
wear, a tasteful array of footwear, with style  
so smart, prices so moderate.

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HOLLISTER BLOCK

## ABOUT THE CAMPUS.

L. T. Clark, '04, was a college  
visitor a day or two the past week.  
Mr. Clark was making a trip in the  
interests of Parke, Davis & Co.

Prof. Bogue has moved into his  
new house east of the experimental  
plots, and Capt. Fuger will occupy  
the Delta residence for the coming  
year.

Wm. Farrell, of the Ferris In-  
stitute, has been employed as bulle-  
tin clerk in the Secretary's office.  
Mr. Farrell's home is Woodland,  
Mich.

*The Rural Advocate* (Sept.) pre-  
sents on its cover page a cut of one  
of our campus scenes together with  
an article concerning the growth  
and work of the College.

Mr. Palmares has presented to  
the department of agronomy seven  
samples of soils, and also two vari-  
eties of tobacco which were grown  
in the Philippine Islands.

Mrs. Gilchrist, of Laurens, Ia.,  
arrived at the College last week,  
and will remain with her daughters,  
Dean Gilchrist and Miss Norma  
Gilchrist, during the fall term.

Harry Oven, '05, presided at a  
stand at the State fair, where he  
showed the method of soil inocula-  
tion. He was working in the inter-  
est of the Ray Chemical Co.

Mr. Glenn James, instructor in  
mathematics is a graduate of the  
Vincennes University with the class  
of '03, taking his degree of A. B.  
at Bloomington, Ind., in 1905.

Miss Leah P. Avery has been  
employed as student assistant in

music for the coming year. Miss  
Avery is a graduate of the Ionia  
high school and has studied music  
under private teachers for some  
time.

Prof. Jeffery has in his laboratory  
six splendid ears of Tennessee corn  
which were produced from three  
stalks. It is said that this is not an  
unusual growth as many such stalks  
may be found in a Tennessee corn  
field. Mr. McHatton was the donor.

Prof. and Mrs. Fletcher took a  
four days' trip through the fruit belt  
last week, visiting orchards near Ben-  
ton Harbor, Fennville and Grand  
Rapids. Prof. Fletcher spoke at the  
Western Michigan Fair on Thurs-  
day.

The Women's Department is to  
be the recipient of a handsome silver  
medal from the St. Louis Exposition  
for its collection of Domestic Science  
and Domestic Art. The diploma of  
award has been received and will no  
doubt be framed shortly.

During the summer vacation con-  
siderable repair work has been done  
about the Women's Building, which  
brightens it up materially. Several  
rooms have been newly plastered,  
the halls and parlors tinted, the  
floors oiled, and the stairways and  
other woodwork varnished.

The horticultural department ex-  
hibited 75 varieties of apples, 25  
varieties of pears and 25 varieties of  
grapes at the State fair the past  
week. The following exhibits were  
also made at Grand Rapids: 50  
varieties of apples, 35 of pears and  
20 of grapes.

Prof. Taft was in Kansas City  
the past week attending a meeting  
of the National Pomological So-  
ciety.

Instructor C. A. McCue gave a  
talk on "Cover Crops" at the Grand  
Rapids fair Wednesday of last  
week.

Mr. John G. Baker, who was a  
student at M. A. C. several years  
ago, was married to Miss Henrietta  
L. Brumm at the home of the bride's  
parents, 216 Main street west, Lan-  
sing, Sept. 20. Rev. R. C. Dodds  
officiated. After a short visit with  
Mr. Baker's mother, in Fairmount,  
N. D., the young people will be at  
home to their friends at 219 Sycam-  
ore street, south.

The Board has approved the re-  
commendation of Prof. Fletcher that  
Instructor Gunson be made super-  
intendent of grounds. Mr. Gun-  
son will have immediate supervision  
of the grounds under the general  
direction of the professor of horti-  
culture. In the future all inquiries  
and requests concerning the details  
of campus work should be addressed  
to Mr. Gunson.

During the latter part of last  
week while looking up specimens  
for future use, Prof. Pettit ran  
across one of the larvae of a rare  
moth. The species is interesting  
because it is of a rare family and  
also because it is very seldom found  
itself. It is known as *cinnus mel-*  
*shimeri*. Besides being unusual in  
form, it has very interesting habits.  
Two leaves of the white oak are  
brought together, fastened with silk,

and the insect lives in the cavity thus  
formed. When full grown he cuts  
out the little house thus built from  
the surrounding portions of the leaf  
and carries it around with him, pro-  
jecting his head and front legs but  
keeping the rest of the body inside  
the sack-like covering. The sack  
is fastened to the twigs of an oak  
and held securely over winter.  
During this time the change to the  
pupa is made and the adult moth  
cuts out in the spring. Fortunately,  
several of these creatures were  
found which will make it possible  
to get good photographs of the in-  
sect and still have some left to rear  
the adult.

A large lizard was presented to  
the Zoological Department during  
the latter part of July, by Mr. Ray  
Smith, of Leroy. The reptile was  
brought from the valley of the river  
Gila, Arizona, and is given the  
name of Gila Monster. It is found  
only in the desert regions of South-  
west United States and Northern  
Mexico. It is the only species of  
poisonous lizard in existence; so far  
as known most of these reptiles  
being perfectly harmless. The bite  
of this species is supposed to cause  
death, although this one is very  
sluggish and seldom bites at all.  
Its food consists mainly of raw eggs.  
This species is in considerable de-  
mand for zoological gardens and  
the supply has grown less and less  
until they are now very rare. This  
one has been given a place in one  
of the south windows of the labora-  
tory where he can enjoy the sun-  
shine.



List of new books in library up to July 1st. (Continued from commencement number.)

Miller, Essentials of Perspective.  
Merriman, Elements of Mechanics.  
Michels, Creamery butter making.  
Metcalf, Organic Evolution.  
National Conference on Secondary Education in the U. S. and Its Problems.  
Neiswanger, Electro-Therapeutical Practice.  
Prior, Reminiscences of War and Peace.  
Poynting, Text Book of Physics. Vol. 3, Heat.  
Porter, Flora of Penn.  
Putnam, Development of Primary and Secondary Education in Michigan.  
Peterson, Labor and Capital.  
Roberts, Introduction to the Study of Metallurgy.  
Riggs, Elementary Manual of Chemical Laboratory.  
Roberts, the Horse.  
Rothwell, Mineral Industry, 1902, 1903. 2 vols.  
Saintsbury, History of Criticism and Literary Taste in Europe. 3 vols.  
Sabin, Industrial and Artistic Technology of Paint and Varnish.  
Spillman, Farm Grasses of the U. S.  
Sargent, Trees of N. America, Exclusive of Mexico.  
Sabin, Cement and Concrete.  
Sturgism, Appreciation of Sculpture.  
Sturgism, How to Judge Architecture.  
Stone, Timbers of Commerce.  
Shaw, Forage Crops Other Than Grasses.  
Shenstone, Methods of Glass-blowing.  
Salskowski, Laby. Manual of Physiol. and Pathol. Chemistry.  
Tarbel, History of the Standard Oil Co. 2 vols.  
Thackeray (compiler), Cambria Steel.  
Thompson, Light; Visible and Invisible.  
Tolstoi, Complete works. 24 vols.  
Tarkington, Monsier Beaucaire.  
Thomson, Electricity and Matter.  
Wilson, Chloridation Process.  
Wilson, Cyanide Process.  
Walker, Introduction to Physical Chemistry.  
Williams, History of Ancient Education.  
Williams, History of Medieval Education.  
Williams, History of Modern Education.  
White, Andrew D., Autobiography. 2 vols.  
White, E. S., The Forest.  
White, E. S., The Mountains.  
Ward, Lady Rose's Daughter.  
Winkler, Handbook to Tech. Gas Analysis.  
Wolcott and Others, Electro Magnet.  
Weavers, Practical Guide to Garden Plants.  
Ward, Cambridge Modern History, Vol. 3, Wars of Religion.  
Wagner, The Simple Life.  
Winch, Notes on German Schools.  
Woodworth, Hardening, Tempering, Annealing, and Forging Steel.

'89.

Not all our farmer boys can remain on the farm and it is not expected that they should. In a family of several boys and girls some

must fit themselves for other vocations in life. It depends very largely on the boy as to whether he succeeds in accomplishing his ideal or not. Obstacles will appear in an unlooked for direction, and eternal vigilance is the price of "getting there." The picture on this page is that of an ambitious and successful farmer boy who is well known to many of our readers in this section of the state. A. L. Marhoff is an M. A. C. student who took up engineering for his life work. He has been with the Michigan Traction Co. for about eight years, having laid nearly every foot of the Company's line in Battle Creek, Kalamazoo, between these two cities and to Gull Lake. He also designed and built the overhead bridge across the Michigan Central near Galesburg. All honor to the multitude of farmer boys who go out into the world in all the various vocations of life. Their number is legion.—*Rural Advocate*.

'97-'98.

Prof. E. E. Elliott began work at Pullman, Wash., in July, 1899, as assistant professor of agriculture. He has been advanced each year until he is now dean of the department of agriculture and horticulture, professor of agriculture and agriculturist of the experiment station. In 1902 Prof. Elliott had one assistant. This year there will be under him a professor of agronomy, and instructor in cereals, an instructor in animal husbandry, an instructor in dairying, and a farm foreman. The department was granted a liberal appropriation by the last legislature, and everything looks bright for the future.

'01.

George Severance was elected instructor in agriculture at the Washington Agricultural College in August, 1902, and has been steadily advanced until this year he has been made professor of agronomy at an advance of \$300 in salary. George is well pleased with his work and, judging from his advance, he must be releasing others.

'01-'02

Gordon E. Tower '01 and Jas. F. Baker '02 received their masters degree in forestry at Yale on June 28. It is understood that Mr. Tower goes to Maine Agr. College to take charge of the Dept. of Forestry.

The following table shows the number of new students in each course and class as taken from the entrance blanks:

	5 yr.	4 yr.	Total
Agricultural course	43	33	76
Mechanical	62	68	130
Women's	30	34	64

Totals 135 135 270

There are twelve or fifteen students included in the agricultural course who entered for the work in forestry.

Mr. L. F. Jenison has presented the library with an envelope bearing the date of 1859 upon which is a picture of Saint's Rest and College Hall. It is mounted on heavy paper and placed in a neat frame 8x10 inches in size. The envelope bears the address of Mrs. L. F. Jenison Orwell, Vt.

A silk shawl was left at the home of Mrs. Snyder on the evening of June 20. It is no doubt the property of some one who attended the reception held on that evening and the owner may have same by calling.

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## DIRECTORY

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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.

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

### 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.

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WAGENVORD & 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.

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

### DENTISTS.

A. F. GORDON, D. D. S., M. A. C. '01, U. of M. '01. 218 Washington Ave. S. Phone, Citizens 362.

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.

### 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.

The electric road between the College and Lansing has had considerable work placed upon it during the summer. New ties have been put in, new rails laid, and it is becoming somewhat more of a pleasure to ride. It is understood that a double track is to be laid on Washington avenue in the city.

The new Pine Lake road is being well patronized. The first car was run about the 1st of August. Cars leave the Downey House every hour and the fare is 25c for the round trip; 20c from the College. This makes a run of about eight miles from Washington avenue, and although the road is somewhat crooked the ride is a pleasant one. It is understood that traffic will be discontinued during the winter.

### 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.

GOTTLIEB REUTER.

Washington Ave. South.

### ELECTRICAL SUPPLIES.

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

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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, Granite ware, 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.

### MANICURE AND HAIRDRESSING.

MRS. O. T. CASE—Manicure and Hairdressing Parlors. Masquerade Wigs for Rent. Switches made of cut hair or combs. The France-American Hygienic Toilet Requisites a specialty. New 'phone 118. 222½ Washington Ave. N., 110 STAIRS.

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### 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. 224 Washington Ave. South.

### 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.

DR. H. 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.

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

W. F. Lamoreaux, instructor in chemistry during part of last year, is now with the Ducktown Copper, Sulphur and Iron Co., at Isabella, Tenn. His work consists of the analysis of coarse and fine matte, slag from the smelter and raw ore from the mine.

Miss Hearty Brown left yesterday morning for the U. of M., where she will pursue a literary course. Her address will be 725 S. Twelfth St., Ann Arbor, Mich.

Through the courtesy of Mr. C. H. Chase the library receives five more copies of his work "Elementary Principles of Economics," to be used for reference. Mr. Chase had already placed one copy in the library.