

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 8.

LANSING, MICHIGAN, TUESDAY, SEPT. 23, 1902.

No. 2

## NOTICES.

The King's Daughters will meet with Mrs. Beal, Wednesday, at 3 p. m.

Patrons of the Dairy are notified that no butter or cream can be procured without tickets.

Meeting of the Debating Club Thursday evening at 7 o'clock in room 7, College Hall. Election of officers.

Miss Staley will be at the chapel Saturday morning from 9:30 to 12 to receive such students as wish to study voice culture this year.

All new students who play band instruments and desire to join the military band should see at once J. H. Prost, musical director.

Persons desiring exchanges for the RECORD for the exchange case in the library are requested to make their wishes known to the managing editor.

Complete list of text books used during junior and senior year of mechanical course, for sale cheap. Inquire at 112 Larch St. N. or at RECORD office.

Mrs. Ella M. Kedzie begins her class in China painting this week. Those desiring to take the work should see her at No. 5, Faculty Row.

The annual fall excursion to the Iowa Agricultural College occurs Oct. 11. Low rates are given by all railroads and prominent speakers from abroad will add to the attractions.

All students interested in agriculture should see the exhibit of legumes and curious new plants on the series of plots immediately east of the new dairy barn. These plots will be destroyed this week.

The College provides a hospital for the special benefit of students who may become ill. It is in charge of Miss Ketcham, who is a thoroughly trained nurse. For board and attendance, not including physician's services, five dollars per week is charged.

The Co-operative Book Store will be open regularly during the following hours:—7:00 to 7:55 a. m., 12:20 to 12:55 p. m., 6:20 to 7:00 p. m., except Saturday evenings.

H. RAY KINGSLEY, Mgr.

During the present term the Museum will be open to the public on Sundays from two to five in the afternoon only. An assistant will remain in the museum during these hours for the purpose of giving information to visitors as well as to prevent such acts of vandalism as compelled the closing of the doors on Sundays during the past vacation.

[WALTER B. BARROWS.]

It is reported that the University of Chicago has bought the buildings and equipment of two Kansas colleges and will run them as training schools for the University. This is, evidently, very much President Harper's idea.

## THE FOOTBALL TEAM.

The prospects for a winning football team at M. A. C. are much brighter this season than last. A good many of last year's first team and "scrubs" are back, and being familiar with the formations, much better progress has been made than in the first week of last year.

No hard scrimmages have as yet taken place. The work has been more rudimentary, such as tackling, running back punts, falling on the ball, and signal practice.

The material, although for the most part new and green, is heavy and will take some time to develop. What has been long needed, a good heavy, strong "scrub" eleven has at last been secured and many of them give promise of making some of the old men work for their positions.

Among the new men who are making the strongest bids for first team honors are Burrington, of Lansing high school, and Cortright, of Hillsdale college, for ends; Don Childs for quarter; Agnew, of Albion college, at full back, and Watson, of Alma, at either guard or center. Of last year's second eleven Decker at center, and Smith at left half show considerable improvement over their work of last year. At tackle we are represented the same as last year with Kratz and Peters. Harold Childs at right half, and Meek at right, with either McDermid, Bell or Watson at left guard makes up a team with an average much heavier than last.

With an eleven game schedule to play, it necessarily means hard work for the team. There is only one way to get a team to work hard, and that is for the student body to give it their undivided support.

It is a good thing to show your enthusiasm after a game is won but the team would appreciate your cheers more after a game is lost. They do not need to be carried from the gridiron on the shoulders of the shouting crowd after a victory but do deserve a good hearty cheer after a defeat. Nothing discourages a team so much as after a defeat to have their supporters rush from the field without so much as a cheer to spur them on to further trials.

Another way to support the team is a good attendance at practice. Let them know you have an interest in them and their work. But do not allow your enthusiasm to overstep your judgment. Do not flock onto the field and crowd around the team, leaving a space of some three or four rods square for two teams to work in. During a game all can see from the side lines and it is just as reasonable to ask that all keep on the side lines during practice.

Give the team the hearty support of the whole College, show them you are interested in them, stand by them in defeat as well as in victory and they will do all in their power to make the foot ball season of 1902 the most successful in the history of M. A. C.

Carl Williams is now head football coach at the University of Pennsylvania.

## Y. M. C. A. NEWS.

The Thursday evening prayer meeting, led by Mr. W. M. Brown, was well attended and a success in every way; the spirit manifest was excellent and a number of old as well as new men decided to live the Christ life.

The Y. M. C. A. reception for new men, Friday evening, was well attended, and the addresses given by Prof. C. D. Smith, Dr. Waterman and the State student secretary, Mr. Hurrey, were appreciated by all present. The addresses were full of excellent advice and suggestions. The evening was largely spent in getting acquainted with the new men.

The meeting of the Y. M. C. A. Sunday evening was a success. Mr. Hurrey, state student secretary for the Y. M. C. A., addressed the student body of both old and new men on the importance of living the higher, nobler life in Christ Jesus. "Man is the arbitrator of his own destiny; he must choose the life he will live. The question that concerns us most is to determine whether it is the best thing we can do for ourselves and the world. This is easily determined in the affirmative, for by studying the lives of the world's truly great men and women we discover that the principles which guided them in building their characters are those truths which Jesus Christ lived and taught, and are the only sure guarantees of a beautiful, useful and unselfish life.

When the Christ life is thoroughly engrafted into our lives, then we are fitted to live completely, as Dr. White—the famous psychologist, styles it. If all students could be made to see the vital importance of settling this, greatest of all life questions early, there would be fewer lives ruined, morally speaking, than there are today. As a man goes through College so he will remain through life, for a careful study of the question reveals the fact that only one man in nineteen ever changes his life principles, morally, after leaving college. This being true, how vitally necessary it is that we make a right decision early in our college career.

## EXCHANGES.

The University of Missouri has some very substantial new buildings in process of construction, one of them being a large dormitory.

The Iowa State Agricultural College, of Ames, suffered the loss of its president during the summer. President Beardshear was one of the strongest and most popular college presidents in the middle west and his place will be hard to fill.

Nine members of the McClure firm went to Martinique the day after the disaster, accompanied by Major Pond, to buy up a survivor to furnish exclusively to *McClure's Magazine* material with which Mr. Ray Stannard Baker might write the experiences of an eye witness.—*Life*.

## ALUMNI.

'88. Luke Combs Colburn, B. S. 1888, M. S. 1895, died at Paw Paw, Mich., Sept. 11, 1902, from cancer of the stomach. He was an excellent student during his course and worked his way through college largely by his own efforts. He was a railroad engineer.

'91. Prof. C. F. Wheeler entered upon his duties of expert in charge of economic gardens in the U. S. Department of Agriculture, Sept. 1. He is stopping temporarily with his daughter, Mrs. Dick J. Crosby at 223 R. St., N. E. Mrs. Wheeler will visit her daughter, Mrs. Eastman, in Chicago, until the first of October, after which she will go to Washington.

'93. M. W. Fulton and wife of Detroit, visited Prof. C. D. Smith and wife and other friends last week. Mr. Fulton is doing a large milk business in Detroit. Mr. Fulton will be glad to see his friends at 1105 Hastings street.

'99. W. K. Brainard is spending a few days at M. A. C. He leaves soon for his work in Leland University, New Orleans. He is to teach agriculture and mathematics in that institution.

'99. Thorne Swift of Grand Rapids was a College visitor last week.

'99. C. M. Krentel was nominated by the republican county convention at Mason, Friday for register of of deeds, there being seven candidates in the field.

'01. Robert Northrop, assistant in horticulture in the North Dakota Agricultural College located at Fargo is visiting College friends.

'02. N. B. Horton was at the College a few days last week.

'93-96m. The following note clipped from *The Free Press* for July 24 is a full account of the death of the late E. M. Kanter, Port Huron, Mich. Edward M. Kanter, son of Banker Chas. E. Kanter, of Detroit, was drowned at Huronia Beach this afternoon while bathing in the lake in comparatively shallow water, not over a hundred feet from shore. The young man was seized with cramps and with one despairing cry for help he sank from sight. The victim of the distressing fatality had come up only last night to spend the day with his mother and family, who are summering at Huronia Beach, occupying cottage number 12.

Shortly after 4 o'clock Edward went out alone bathing in the surf and had been in the water but a short time when he was seized with a cramp. His one cry for help was heard by some children playing on a raft close by and they gave the alarm. The unfortunate's younger brother, Will, was one of the first on the scene and at once began diving for the body under the guidance of the children who indicated as near as they could the spot

(Continued on page two)



## THE M. A. C. RECORD.

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

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TUESDAY, SEPT. 23, 1902.

WE WISH again to call the attention of the alumni to the necessity of sending in alumni news. The alumni column is the most difficult part of the paper to keep in a satisfactory condition for the simple reason that alumni items are not so easily obtained as are the items concerned with the immediate vicinity of the College. It will be impossible to keep the alumni column running from week to week unless the alumni themselves send us this news for publication. A few alumni have already taken pains to do so, but a greater number have not.

## ALUMNI.

(Continued from page one.)

where the young man disappeared. Others aided in the effort at rescue, but the work was not rewarded with success until after nearly a half-hour's search, when the body was brought to the surface. Dr. Bennett, of New York, a guest at the beach, and Dr. Heavenrich immediately applied efforts at resuscitation and afterwards were assisted by the life saving crew, who had responded to a call for assistance. The work was continued for three hours without interruption, but Kanter showed no signs of life and the effort had to be abandoned. The mother is nearly crazed with grief over the distressing event. The body will be taken to Detroit tomorrow. Coroner Falk has decided an inquest unnecessary.

Edward Morse Kanter was one of the best known of the younger members of German-American society in Detroit. He was born in this city April 15, 1877, and had lived here all his life. He was the son of Mr. and Mrs. Charles E. Kanter and comes from one of the leading German families of the city. His father is vice-president of the German-American bank, where he was assistant teller and general utility man.

He received his grammar school education at the Washington school and afterwards went to the Michigan Agricultural college, from which he was graduated six years

ago. He was a prominent fraternity man at college. After graduating he went to Arizona in the interests of his father's mining property, and stayed a year. While there he became very ill with typhoid fever and his parents went to Arizona and brought him home. He recovered after a long siege and went into the German-American bank, where his rise was rapid.

His capabilities were marked and his personality was such as to make him well-liked by everybody in his business and social associations. His grandfather founded the bank and he was following rapidly in the steps of the Kanter family, which has been a great factor in the development of the institution.

Mr. Kanter was high up in the Masonic degrees being a member of Union Lodge, Monroe Chapter, Detroit Commandery and Detroit Consistory, the Mystic Shriners, and Malta Degree Masons. He was also a member of the Detroit Boat club and of the Harmony society. In his early youth he had traveled all over the world and was known as being a remarkably well-versed man.

WHEREAS, It has pleased our Heavenly Father to call from this earth David A. Keeler, and

WHEREAS, The deceased was a hard working and much loved member of the Hesperian Society. Be it

Resolved, That we extend to the bereaved parents our heartfelt sympathy. And be it further

Resolved, That a copy of these resolutions be sent to the parents, and also published in the M. A. C. RECORD. E. D. ALLIS,  
Sec'y Pro. Tem.

## NATURE STUDY.

A short time ago the editors of the *New York Independent* asked Dr. Beal to contribute an article on Nature Study for publication in their paper. The article, covering about three pages, appeared in the number dated Sept. 11th. Dr. Beal in his usual felicitous way has been able to set forth a good many vital truths in an entertaining style. We venture to quote a few extracts, but a reading of the article as it is printed would prove more beneficial.

Dr. Beal defines Nature Study as "simply nothing more nor less than a study of Nature pursued according to correct methods." The crude beginnings of the study of botany are compared with the wide-spread interest and popularization of the sciences today. Concerning the attitude, within recent years, of school authorities in Michigan toward Nature Study, some interesting facts are brought out.

"Twenty-one years ago, when C. W. Garfield was secretary, the Michigan Horticultural Society made a strenuous effort to induce teachers of rural schools to aid the pupils to plant and care for flower gardens. Directions were printed and distributed with a gift of seeds to districts willing to undertake the experiment."

"Here were some of the chief difficulties: 1. Very few of the teachers knew anything about the details of managing flowers and they did not care to undertake any such work. 2. Most of the schools changed teachers once a year, or oftener, which would be fatal to carrying out any plan from year to

year. 3. Few of the teachers made any pretense of teaching such subjects in their schools. 4. In many cases, a vacation occurred at the time when the land should be prepared and planted, and another vacation followed a summer term before many of the plants had completed their growth for the year.

Says Dr. Beal: "Beginning soon after the arrival of Agassiz in this country, another series of events have done much to make natural history popular. Forty-five years ago the Michigan Agricultural College opened its halls to students who were supposed to desire to learn improved methods of growing field crops, fruits and live stock. Other colleges in other states were soon opened. The United States Department of Agriculture was not organized till five years later; it did not even exist in name, but existed as an appendage to the Department of the Interior. Its reports were the butt of every learned man as well as those engaged in farming. Passing over the long struggles of forty-five years, we find the United States Agricultural Department now spends \$6,000,000 per year in making creditable explorations, experiments and reports covering almost everything that pertains to rural life. The agricultural colleges also experiment and besides teach many students.

As an evidence that these forces have revolutionized the minds of people toward rural life, I note the trend of a book of over 500 pages, published by Ginn & Co., under the title "Nature Study and Life." It is apparently the best one of many books touching this line of topics, and was prepared by Clifton F. Hodge, Ph. D., assistant professor in Clark University, Massachusetts.

"Nature study is learning those things in Nature that are best worth knowing, to the end of doing those things that make life most worth the living."

"The most remarkable feature of the book is the economic or utilitarian trend of the topics treated. He says:

"My point is that nature study, or elementary science, for the public school ought to be for *sure human good.*"

"Starting with the city schools," says Dr. Beal speaking for the present day, "it is expected in time to work down to the country schools, provided they are remodeled by uniting a number of small schools to make one good, strong, graded school out of several weak ones. The great importance of the study of nature in schools has become too

well established to die out. With continued effort it cannot be long until no school can be called good where the subject doesn't occupy a prominent place in the schedule."

Prof. Hodge, quoted by Dr. Beal, recommends for study by young pupils, "their pets, injurious insects such as the codling moth, plum curculio, cabbage butterfly, mosquitoes, Hessian fly, etc. The native birds, their nests, eggs, habits, etc., come in for attention as does also elementary forestry, the modes of distinguishing each species, the growing of seeds and their care, and even mushrooms, yeasts, and bacteria."

Dr. Beal, in conclusion, counsels the teacher of Nature Study not to attempt too much and to strive for original research on the part of the pupil so far as is possible.

## MUSEUM OF INDUSTRY.

A "Museum of Industry" is about to be inaugurated at the University of Michigan in connection with the higher commercial courses. It will include samples of all the raw materials of commerce of Michigan, together with samples of the manufactured product of state industries. Many manufacturers of Michigan buy their raw material outside of the state when it could be purchased just as well in Michigan. By giving them an opportunity to see what is available in the state it would increase the idea of Michigan for Michigan and the saving of freight charges would be quite an item in price competition. There are 1,400 industries in Michigan which could be represented in the museum.

Edward D. Jones, professor of commerce and industry, is the originator of the idea. As a starter for this museum the contents of over 125 Michigan exhibits at the Pan-American exposition will be brought here. Tappan Hall will be used as a temporary shelter for the museum and Prof. Jones will expect the hearty co-operation of the people of the state in making additions to the collection.

The following note clipped from the *Detroit Tribune* was printed first in the *Minneapolis Times*:

Prof. R. H. Pettit of the Agricultural College of Michigan has discovered nature's own enemy of the mosquito in a disease the insect is heir to. The gentleman will be entitled to niches in the hall of fame if he succeeds in spreading a plague among the insects that flit from neck to neck and from bald head to bald head, carrying malaria and torture as they go.

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# ABOUT THE CAMPUS.

The State Board met today. The silos are being filled this week.

The College is making a large exhibit at the Pontiac State fair this week.

The first meetings of the various literary societies were held Saturday evening.

Regular chapel services have been held since Wednesday morning of last week.

Mrs. Landon has been having rather serious trouble with her eyes, but they are much improved at present.

The library received constant additions during the summer, some of the books received being very valuable.

Extensive and much-needed improvements are being made in the girls' gymnasium in the women's building.

The Y. M. C. A. hand-book committee have the thanks of the College community for the neat book which they have distributed the past week.

In Station Terrace this year there are instructors representing institutions in Illinois, Wisconsin, Minnesota, Iowa, Kansas, South Dakota and Michigan.

Instructor Michels of the farm department is absent this week at the State fair at Pontiac. He is making daily demonstrations of the most approved methods of butter and of cheese making.

There were several class meetings last week.

Miss Zaidee Vosper was a recent College visitor.

The pleasant fall weather these days is furnishing a good opportunity for tennis.

Some of the agricultural seniors who are taking stock-judging are visiting the State Fair.

Mr. Walter is taking charge of the dairy work in the absence of Instructor Michels.

Mrs. Sooy of Wayland, and Mr. Conrad, mother and uncle of Miss Sooy, '06, visited at the College last Sunday.

The Misses Susan and Ida Olsaver of South Lyons, Mich., spent Sunday at the College, the guests of F. D. Stevens.

In a recent number of the *Michigan Farmer* appeared a likeness of Prof. Shaw, together with a brief sketch of his life.

Prof. Pettit is still instructor in zoology, notwithstanding the report to the contrary last week. Prof. Bogue also has the A. M. degree from Harvard.

Some of the students who remained at the College this summer are given below: A. C. Miller, F. F. Drew, Fred Ohland, F. E. Mangold, A. R. Carter, H. Foley Tuttle, R. L. Yates, J. E. Schaefer, G. W. White, Harry Meek, S. T. Page, P. H. Wessels, F. O. Foster, Moses Craig, J. E. Fisk, J. H. Schwaderer, J. F. Chamberlain, R. A. Clark, Jr.

Prof. Taft is attending the State Fair this week.

A training-table for the football team has been started in Club B.

S. F. Gates is the new janitor for Station Terrace and Harry Meek for the dairy building.

Prof. Shaw is at home in the second house south of the Bingham-street school, Lansing.

Several College folks attended the Republican County Convention at Mason, Friday.

We acknowledge a Press complimentary from the Secretary of the State Fair, which unfortunately, we are unable to use.

E. S. Good, '02, returned yesterday morning from his summer's work for Professor Mumford at the University of Illinois.

The Lansing Street Car Co. found it necessary to heat the cars on the College line during the cold weather of last week.

The botanical department made a fine exhibit of photographs of forestry at the American Forestry Association, two of the sessions of which were held in the botanical laboratory.

Miss Simms, State secretary of the Y. W. C. A., visited the College over Sunday. She addressed the Y. W. C. A. meeting Sunday evening, speaking from the parable of the sower. She appealed to the girls to accept Christ as the guardian of their lives. The lecture room was well filled and all seemed to take a deep interest in the meeting.

Dr. and Mrs. Edwards are receiving a visit from their niece.

Dr. Edwards and family are now comfortably housed in the remodeled residence on "faculty row."

Mr. Cassius P. Parsons is the new stenographer for Prof. C. D. Smith and for Prof. Taft.

All the M. A. C. students who canvassed in Iowa during the summer have profited well financially.

Prof. King and family will have rooms in Howard Terrace as soon as they can move from their present quarters in Lansing.

Deputy Sheriff Sherman has found it necessary to arrest several people of late for stealing fruit from the College orchards.

Rev. G. F. Plummer, of Ogden, Utah, is visiting his daughter, Mrs. U. P. Hedrick. He expects to stay at M. A. C. through the winter.

E. G. Hall, in college last year, has gone into partnership with his father in the agricultural implement business at Kinde, Michigan.

The new greenhouses are nearing completion, and when done will, without doubt, be the best of any connected with agricultural colleges. They are to be used mostly for student work in horticulture.

Some ten years ago, arbor day, the students of the mechanical department planted a black walnut tree west of their laboratory. Although planted on light and apparently thin soil it has continued to thrive. For the first time the tree is fruiting this year.

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## ABOUT THE CAMPUS.

George H. Rae, '05m, met with a painful accident the latter part of last week. While doing work in the machine shop, the forefinger of his left hand was caught in the cog wheels and badly lacerated.

Mr. Locke, instructor in mathematics in the College last year, has written recently to M. A. C. friends. His address is 312 Green Ave., Brooklyn, N. Y. He writes that he is enjoying his work very much.

Prof. J. B. Dandeno and family are located at 904 Michigan avenue, Lansing, Michigan. Prof. Dandeno, it may be of interest to note, was connected for a time with the St. Louis Normal School.

The large cars on the College line do not seem to fulfill expectations as they are taken out of service from day to day of late for repairs. Serious inconvenience and delay to students and faculty is the result of the uncertainty of the system.

The football practice will without doubt be transferred to the athletic field as soon as the weather becomes cooler. There were thirty men out for practice Saturday afternoon. The first game of the season will be with Notre Dame at Notre Dame next Saturday afternoon.

No mention has been made so far of the annual excursions to the College this year. As nearly as can be estimated there were fully seven thousand five hundred visitors here during excursion week. Everything considered, this year's excursions surpassed all previous records.

Two graduates of the Utah Agricultural College are to take work in the horticultural department at M. A. C. President Snyder's brother, a graduate of the University of Nebraska, and a graduate of Harvard, and one from Cornell, are registered for work in the College.

The farm department has on exhibit in the office of the Agricultural building the ribbons representing the prizes secured at the International Live Stock Exhibit, held in Chicago in the fall of 1901. There are four first prize ribbons, three second prize, and four third prize ribbons.

There was a meeting of the athletic union at the noon hour yesterday in the Chapel. Prof. Denman, W. K. Brainerd, '99, and others spoke by way of arousing interest for the football team. Steps were taken to raise the balance of the amount necessary to receive the donation of the State Board.

Prof. Shaw has it in mind, in connection with the course in stock-judging to give a course of lectures on the markets, the aim being to enable the student to know when to buy and sell to the best advantage. The Horticultural department has this year a corresponding course in horticulture.

Dr. Beal spent most of the summer at M. A. C. over-hauling the botanic garden and re-arranging the herbarium. He attended the meetings of several scientific societies in Pittsburg the forepart of July and late in August took part in the proceedings of the American Forestry Association which met in Lansing.

There are about three hundred and twenty-five new students registered at the present time of which number one hundred are girls. All

the dormitories are crowded this year, especially the dormitory for women. The increase of students this year is not abnormal but is simply indicative of the steady growth of the College. The erection of new dormitories in the near future would seem to be a necessity.

Dr. Beal, Prof. Bogue and Mr. C. E. Walter, M. A. C. photographer, made a trip into northern Michigan late in the summer and secured about seventy fine photographs of forest trees, the greater number of photographs being taken of pine and hemlock trees. These views included photographs of about a dozen of trees which Dr. Beal planted on the Jack Pine plains where they have grown for fifteen summers. Prof. Bogue with the aid of Dr. Beal made notes with reference to what might be done in forestry experimentation.

## STATE FAIR.

The following is said regarding the State Fair at Pontiac, September 22d to 26th:

The present outlook for a large fair is most gratifying to the management. The success of last year surprised everyone and gave the fair an impetus which will be felt in the improvements which will be added this year. Several new features will be introduced and special attractions added.

There will be no lack of transportation on steam railroads this year. Trains will run every hour from Brush street depot, Detroit, and from country points enough trains will be run to carry all passengers direct to the grounds.

Arrangements have been made with the state fish commission to make a magnificent display, and one wing of the main building has been set aside entirely for that exhibit. More space is being sold for the exhibition of agriculture and kindred displays than ever before. The state highway commission will make specimen stone roads during the state fair week, giving everyone interested an opportunity to see how good the roads in Michigan can be made. The Agricultural College will make a large exhibition. A fancy military drill company from Jackson will be an unusually interesting feature and one never before undertaken.

On August 14, occurred the death of Prof. Montgomery, professor of chemistry in Olivet college. Prof. Montgomery was well and favorably known throughout the State as an educator.

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## 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, Room 44 Williams Hall. E. E. Reynolds, 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. New store. New Stock.

CITY BOOK STORE. Fountain Pens, Drafting Tools, Stationery, Card-Engraved, Pictures and Picture Framing. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

### BOOK BINDERS.

GEO. G. BLUDEAU & CO.—Blank book manufacturers. Book-binding of every description done neatly and promptly. 109 Wash. Ave. N.

WAGENVORDE & CO.—Bookbinders, Blank-book Makers, Library and Art Bindings, Albums, Pocketbooks, Map Mountings, etc. Back numbers of magazines and periodicals supplied. Bell phone 378. 114 Washington Ave. South.

### BOOTS AND SHOES.

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

### CONFECTIONERY.

ONLY the best candies at the "Sugar Bowl." Cor. Washington Ave. and Allegan.

### CLOTHING.

BUY your Dry Goods and Clothing, Hats, Caps and Furnishing Goods at H. KOSITCHEK & BRO'S, 113 Washington Ave. N., and 210 Washington Ave. S.

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

### CROCKERY AND GLASSWARE.

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

### DENTISTS.

D. E. PARMELEE—Dentist. 218 Washington Ave. S. Phones, Bell 520 office, residence 732.

J. E. STOFFER, A. B., D. D. S. Office 109 Washington Ave. S. Former M. A. C. student.

R. W. MORSE, D. D. S. Hollister Block, Room 517.

### DRUGGISTS.

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

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

### DRY GOODS.

SIMONS DRY GOODS COMPANY.—Dry Goods and Carpets. See ad.

DONSEREAUX'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c. See ad.

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.

### 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.

A. C. ROLLER,

Successor to GOTTLIEB REUTTER.  
Washington Ave. South.

### 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.

### MANICURE AND HAIRDRESSING.

MRS. O. T. CASE—Manicure and Hairdressing Parlors. Masquerade wigs for rent. Switches made of cut hair or combings. New phone 118. 222½ Washington Avenue S., up stairs.

### MERCHANT TAILORS.

WOODBURY & SAVAGE.—Tailors. Student trade solicited. Opposite Hotel Downey, North.

JOHN HERRMANN'S SONS. 218 Washington Avenue N.

### MUSIC, PIANOS, ETC.

THE POST MUSIC CO. Pianos, Organs and everything in the line of music. 219 Washington Ave. N.

### OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M., 2 to 4 p. m. Corner Allegan St. and Capitol Ave.

### PHOTOGRAPHS.

C. E. WALTER, M. A. C. I make Photographs; Landscapes, Buildings, Interiors, Flash-lights, Lantern Slides, Transparencies, Medallions and Stereoscopic Views. Developing and Printing for Amateurs. Views for sale.

### PHYSICIANS.

A. D. 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 419 Seymour St.

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.

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.

### 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.