

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 10.

LANSING, MICHIGAN, TUESDAY, FEBRUARY 21, 1905.

No. 22



The above presents to the readers of the RECORD a half tone of Mr. A. J. Anderson, who will represent M. A. C. in the eighth annual oratorical contest to be held in Albion on March 3.

Mr. Anderson is a member of the class of 1905, and belongs to the Union Literary Society. The subject of his oration is "The Volunteer Soldiers of America." We predict for Mr. Anderson a high place in the state contest.

## HORT. CLUB.

The Horticulture Club met in its rooms last Wednesday evening at the usual time. Mr. Robinson read a very interesting paper on "Commercial Manures," he brought out several interesting points by showing why commercial manures should not be used alone, and how barn yard manures may be preserved. A very interesting discussion followed which was very instructive to those present. Mr. McCue passed around samples of several different kinds of apples which he had received from Mr. Gulley, of Connecticut.

## DEBATING CLUB.

The question discussed at the last meeting of the Debating Club was, Resolved, that fraternities other than scholarship fraternities, as they exist in Michigan colleges today, are detrimental to good scholarship. The affirmative was upheld by G. P. Boomsliiter and A. A. Towner. In absence of the regular speakers on the negative, Dr. Edwards and R. C. Potts were appointed to take their places, and they did so well that the decision of the judges was unanimous in favor of the negative. The critic, Prof. Gunson, presented his usual helpful and witty report.

The question for next week will be, Resolved, that the rules regulating the co'eds at M. A. C. are justifiable. A special invitation is extended to all the young ladies as well as to the young men to attend this meeting, as the question is of great importance, and you will have a chance to hear both sides.

## THE SHORT COURSES.

It would be no more difficult task to photograph a cyclone, showing its motion and force, than to give, in these few brief sentences, a correct word picture of the men attending our special courses now drawing to a close and the work they are doing. The courses themselves have no existence except in the men attending, and find their usefulness measured by the personalities of these men.

We are fortunate again this year in having the classes made up of young men of force, intelligence, experience and character. Some of them are graduates of colleges, many graduates of high school, but all of them good strong personalities, with intense enthusiasm, hunger for knowledge and patient persistence in searching for it. The numbers in attendance are as follows:

Live Stock and General Farming	81
Creamery	52
Fruit	7
	140

Noting first the obstacles that have stood in the way of the successful progress of the courses, we find sickness to be easily at the head, Scarcely had the work begun before one young man was taken seriously ill, and taken home only to die after a very brief and exceedingly trying and painful illness. Next scarlet fever broke out and several had to go home. Of colds there were many and of the grippe not a few. A curious Nemesis seemed to follow the classes scourging them with all forms of physical disorder. Next the class rooms were too small. The largest classroom available was that of the Agricultural Laboratory. To provide seats for the class it was necessary to bring in stools and chairs, both, of course, without arms on which to write. Then the ventilation or rather lack of it, was painful to endure, and taxed the energy of both teacher and student to maintain the necessary electrical connection for the transfer of knowledge.

Again the hours in the day were too few. So hungry were these young men for information and training that sections in laboratory work in bacteriology were organized from four to six in the afternoon, and Saturday, instead of being a holiday, as planned, became the busiest day in the week from eight in the morning to five in the afternoon. The enthusiasm and earnestness of the students have kept the instructors from becoming weary in well-doing. A vote of the live stock class showed that over 90 per cent. of them would come back next winter for a supplementary and advanced course, if such were offered. It was their opinion also that this course should be lengthened to twelve weeks. It was to be noted too that the day was too short for the creamery men and since the hours from eight to five are not elastic, they are begging to have that course lengthened to twelve weeks.

The last condition militating against the success of the courses

was the difficulty of finding suitable boarding places near the College. The loss of Wells Hall will intensify this difficulty another year.

The work of no department can be called the main feature of either course, except in the case of the fruit course in which the mainspring was, naturally, the pomology and kindred topics given by the horticultural department. The work in stock judging including breed types, the use of the score card and something as to the history of the various breeds of live stock was supplemented by some most excellent demonstrations and practicums given by Instructor Norton and Mr. J. G. Ruetter of Lansing in meat cutting. Beeves, sheep and swine were slaughtered, dressed and prepared for cooking. The young men speak in highest terms of the value of this work to them, and I question whether a more comprehensive and valuable course in this line is given in any college in the country.

To illustrate a daily program let me take you through the work of a single day. From 8 to 10 Prof. Shaw has the floor, not of the class room but of the judging room, where the class, divided into sections, study the form of domestic animals and learn to compare them, selecting the best and finding the reason for such selection. At ten o'clock Prof. Hedrick and his assistants give instructions on the orchards, vineyards and fruit gardens; at eleven Prof. Jeffery explains the mysteries of the soil and develops the reasons for the operations of tillage and the philosophy of manures.

At one o'clock Prof. Robison explains the chemistry of the soils and plant growth and the mysteries of feeding stuffs and digestion. At two Dr. Marshall opens the door to the mysteries of the work of bacteria in the soil, in animal nutrition, in disease and in the host of other relations that these minute organisms bear to living plants and animals. For four weeks Dr. Beal shows seeds, explains the methods of selection, the detection of weed seeds, and demonstrates nature's method of growing plants. At three o'clock Dr. Waterman has the class in veterinary anatomy and medicine. Here again, the hour is altogether too short. His class room is filled to overflowing and the men leave it with regret. At four o'clock the class has stock feeding, a most important subject.

In the same way the fruit and the creamery men are busy from early morning to dark. The wonder is that they can stand so much mental strain, but when mercy suggests a let-up the boys object. The cheese course is yet to be heard from but the number of applications indicate that the attendance will be far beyond our ability to entertain. The courses now closing will send out from the College 140 young men who are enthusiastic in their praise of the institution and who are warm in their affection towards it. The benefit to Michigan agriculture cannot be measured.

C. D. SMITH, Dean.

## ALUMNI.

'74.

H. A. Haigh appeared before the Public Health committee in the Legislature in opposition to the proposed bill for the reorganization of the State Board of Health of which he is a member.

'89.

F. N. Clark, of Ludington, writes a letter to Prof. Taft in which he expresses sympathy for the fellows who roomed in Wells, and states that he suffered the loss of all his books and furniture in Williams Hall at one time on account of an accidental fire in the room below him. Mr. Clark is Joint Rate Inspector of the Trunk Line and Central Freight Ass'n and Western Trunk Line Company. He is also a prominent poultryman and fruit raiser.

'96.

J. H. Kimball, with the class of '96, was in Detroit this week to attend the wedding of his sister. Fred Schneider '85, was master of ceremonies.

'02.

Mr. John Dunford who is pursuing a course of mechanical engineering at the university, reports a most satisfactory year in all respects and thoroughly enjoys his course. He is quite prominent in class athletics both indoor and on the field.

'04.

W. J. Wright who has been in Pasadena, Cal., during the winter, returns to Michigan, March 1. He expects to take up horticultural work.

With '05.

Guy Forbes, of Grand Rapids is a first year law student at the U. of M. and is very proficient in his new line of work. His extemporaneous speeches are especially commendable. A glance at the walls of his rooms shows that he is still very loyal to M. A. C. and especially to that portion which resides in the Woman's Building.

'04.

Mr. G. C. Morbeck is now in Couer d'Alene, Ida. He says, "The trip was just fine. We left Chicago Tuesday and arrived here Tuesday—just a week on the road. We passed through St. Louis and Kansas City, and did the fair from the car windows." He mentions many interesting points along the route, and states that Colorado Springs is the prettiest place he ever saw,—so much splendid scenery. He also visited Salt Lake City and has some interesting things to say of it. Coeur d'Alene, he says, is a very nice little place, having been built but a few years. Mr. Morbeck was at the time of writing, resting up after the long journey, but stated that he would get "into the woods" as soon as possible.

THE M. A. C. RECORD.

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TUESDAY, FEB. 21, 1905.

ROUND-UP FARMERS' INSTITUTE.

Several distinguished speakers from abroad have been secured for the Round Up Farmers' Institute to be held at the Auditorium, Battle Creek, February 28-March 3, in addition to the regular members of the institute force. Among them will be Prof. H. W. Mumford of the University of Illinois, who will speak on the "Selection and Feeding of Steers;" Prof. A. G. McCall of the Ohio State University, whose topic will be "Corn and Its Improvement;" D. Ward King, the Missouri good roads expert, will tell how to make "Good Earth Roads;" Prof. S. H. Fulton of Washington, D. C., will speak on "Growing, Storing and Marketing Fruit;" and Prof. O. J. Kern of Rockford, Ill., will discuss "Boys' Experiment Clubs and School Gardens."

Tuesday afternoon will be devoted to a Good Roads' session with Hon. H. S. Earle and D. Ward King as the principal speakers. A Forestry session will be held on Tuesday evening with Hon. Chas. W. Garfield, Prof. Filibert Roth and Prof. E. E. Bogue as speakers. Wednesday forenoon will be devoted to talks upon clover, alfalfa and soil inoculation. On Wednesday afternoon, a Corn session will be held and Hon. A. B. Cook, Owosso, will give an address upon the "Torren's System of Land Transfer." There will be several illustrated lectures on Wednesday evening upon plants in health and disease. Thursday will be devoted to stock breeding and feeding, and Friday to dairying and fruit growing. On Friday evening there will be addresses by Hon. P. H. Kelley and others upon rural schools.

A Women's Congress will be held on Wednesday and Thursday afternoons in the Baptist Church.

The Michigan Corn Improvement Association will hold a session on Wednesday morning and offers \$100.00 in cash prizes and as much more in corn growing machinery for the best ten-ear sample of corn of various kinds.

The regular session of the Institute will open on Tuesday morning but there will be a conference of institute lecturers and delegates Monday evening, at the Clifton

House. Railroads offer the lowest convention rates, and board and lodging will be provided at from \$1.00 to \$2.00 per day.

ERO ALPHIAN PARTY.

On Saturday evening, Feb. 18, the Ero Alphan Society gave a Valentine party. The rooms were decorated with white bunting and red hearts. About fifty were present and the time passed quickly and pleasantly. The chaperones were Mr. and Mrs. H. S. Reed.

"ROOTING" AT GAMES.

Regarding the senseless practice of "rooting" at games, a quotation from the Annual Report (1903-4, p. 20) of President Eliot, of Harvard University, might be of some interest to readers of the RECORD, who are interested in raising the moral status of athletics at M. A. C.

"The carrying into elaborate and highly artificial practice the enfeebling theory that no team can do its best except in the presence of hosts of applauding friends is still another of the lesser evils of football. Worse preparation for the real struggles and contests of life can hardly be imagined. The orator, advocate, preacher, surgeon, engineer, banker, tradesman, craftsman, admiral, general, or statesman, who cannot do his best except in the presence of a sympathetic crowd is distinctly a second class man."

J. B. DANDENO.

Y. M. C. A.

Rev. J. D. Silcox preached Sunday morning to a chapel full of eager listeners. Mr. Silcox has been persuaded to give a series of sermons in the Armory four Sundays, beginning March 5.

The meeting Thursday evening was conducted by Mr. Place, who took for his lesson the story of Nicodemus. Many good thoughts were brought out in the proof of the power of christianity.

Hon. H. R. Pattengill gave an address in memory of Washington Sunday evening to the largest crowd that has gathered in chapel this year. Mr. Pattengill always receives a warm welcome from the M. A. C. students.

Rev. Wm. Ewing of Lansing will conduct the meeting in chapel next Sunday evening.

Two interesting debates were held on last Saturday evening, one in the Union Literary Building and the other in the Columbian Society rooms. In the former the winners were S. B. Lilly 1st, T. F. McNally 2d, and R. C. Potts 3d. The judges were Director Brewer, Dr. Edwards and Prof. Jeffery.

In the Columbian rooms P. H. Wessels won 1st, C. E. Johnson 2d and G. R. Fryman 3d. The judges in this case were Mr. Gunson, Mr. Sackett and Secretary Brown.

The final debate to determine the team to meet Ypsilanti will be held in about two weeks. Ypsilanti, we understand, is making a great effort to get her team in shape and is determined to win out this year. So is M. A. C.



WELLS HALL AFTER THE FIRE.

STATE Y. M. C. A. CONVENTION.

The state convention at Battle Creek Feb. 14-16 was a success in every way. The delegates, numbering about eighty were entertained in the Sanitarium in a most elaborate way, a banquet being given on Tuesday night. Dr. Kellogg gave those present a pleasant three hours' trip to the Orphanage under his care and to his magnificent home, in which he has done so much for homeless children. At the latter place the new Sanitarium drink called "No Coffee" was served.

Religiously the convention accomplished a great deal, the spirit of prayer and meditation being very evident. The practical work of the different associations of Michigan was discussed in every meeting, great stress being laid upon the financial department and the necessity of operating associations as business institutions.

Reports were received from many associations which show a great growth and bright prospects for the future. Adrian will soon move into a new \$50,000 building free from debt. Jackson is working for a new building, while Lansing has over \$30,000 towards her new home. The union of the S. C. A. and Y. M. C. A. at Ann Arbor has greatly strengthened the work there.

M. A. C. was represented by Messrs. Ford, Burrell, J. E. Fisk, E. P. Robinson, and Hurst.

The stockholders of the Book-buying Association, at their meeting Thursday, voted \$490 of the association's surplus to the Student Relief Fund.

An effort has been made with good success to establish a relief fund for needy students. The recent fire prompted this action. Our friends in Lansing have made generous contributions and the faculty and students have also done well. Several contributions have also been received from alumni and outside parties. It is impossible to state at this writing the exact amount raised, but the responses have been very generous. The sums contributed will be loaned to worthy students and especially to those who have suffered loss by the fire. Generously disposed alumni and other friends of the institution by contributing to this fund will be able to do a great service to a worthy class of students who are often compelled to drop out of college for the want of a little ready money just at the right time.

RUSSIA COMPARED WITH AMERICA.

Russia is two and one-half times as large as the United States and Alaska, but America has 53 times as many miles of telegraph and sends 15 times as much mail.

Russia stands next to the United States as a grain producing country, but the average laborer there gets only one-fourth as much wages as in the United States.

The United States has 23 times as many factories as Russia.

Russia produces one-twentieth as much coal and one-sixth as much iron as is produced in the United States.

In Russia there are only 90 daily newspapers; in the United States there are 2,457.

Russia has 30,000 miles of coast line, but half of it is ice-bound.

The United States has 210,000 miles of railways; Russia has only 36,000 miles of railways, two-thirds of it owned by the government.

Russia's population in 1903 was 141,000,000; population of the United States, 80,000,000.—Moderator Topics.

'01.

N. A. McCune who is in the Theological Seminary at Boston writes to acknowledge receipt of calendar which he states, calls up many pleasant memories. He is the only graduate of an agricultural college in the seminary, but the following paragraph indicates that his training at M. A. C. was not in vain: "The training received on the banks of the Red Cedar is not at all the worst in the world for the preacher. It opens his eyes to the great living book of nature and to see things there for himself which he would never get from the classics. Moreover, the object lessons, illustrations and metaphors which one draws from living things mean more to him and contain much more force and power than those drawn from books. The work we took in animal husbandry—I doubt if I have forgotten any of it—has been an inexhaustible source of pleasure to me wherever I have gone."

'03.

L. K. Brainard is at present with the Detroit United Railway. He is doing testing work for the above company.

'04.

W. F. Carleton writing from Schenectady, N. Y., states that he enjoys his work with the General Electric Co., very much. His work is so interesting he states that he hardly gets started until it is time to stop. He finds many new and interesting problems.

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**ABOUT THE CAMPUS.**

No class exercises on Feb. 22.

Mr. Collingwood returned from a business trip in the West on Thursday of last week.

The note concerning Mr. Beaumont in our last issue should have given his class as '82.

Mrs. Phillips, of Davison, was the guest of her daughter, Miss Bessie Phillips, '05, over Sunday.

Parker says the cars run tri-weekly. Run one week and try to get back the next.

Prof. Bogue will speak on "The Farm Wood Lot" before the Farmers Institute held at Mason on next Friday.

The bright sunshine of Saturday awakened the blue jays. Several congregated in front of the Library building and cried lustily.

Quite a number of college people are taking advantage of the fine moonlight nights for coasting on the big hill in Collegeville.

Mrs. F. C. Kenney returned with her two younger children from Coldwater, Thursday evening, where they had been staying during the illness of little Irene.

In spite of the fact that numerous other parties were on Friday evening of last week, there was a very good attendance at the open house at Women's building. Fires were lighted in the parlors and the young people sat around them, told stories, played games and, with music, passed a very enjoyable evening.

Do not forget the Athletic Carnival tomorrow evening. Let us all go to the Armory and spend an enjoyable evening.

Quite a number of the special students taking the creamery course left today to attend the State Dairy Association which is held in Grand Rapids.

Tuesday evening, Feb. 28, Mr. Alvarez will give a talk before the M. A. C. Foresters on Philippine trees. Mr. W. A. Hopson will speak of the trees at Belle Isle.

All men who, on account of the fire, have lost any equipment belonging to the Military Department, either guns, swords or drill regulation books, report losses immediately to the Department.

E. T. Jaubb and wife were guests of the former's sister, Mrs. W. W. Wells, a few days the past week. Mrs. Wells also entertained her father, W. H. Jaubb, and cousin, Miss Iva Clock, over Sunday.

Mr. G. J. Elliott who was obliged to leave College several weeks ago on account of an attack of appendicitis, returned Friday to pack up his effects. He will be at his home, Hickory Corners, for a time at least.

Eleven guests enjoyed a six o'clock dinner last Wednesday evening, given in Club C. in honor of the birthdays of the Misses Clara Campbell, H. Canfield and B. Maynard. The table decorations were red and red heart valentines served as place cards.

The Y. W. C. A. meeting last Thursday evening was a song service, conducted by Cornelia Fisher.

Several hundred pictures of Wells Hall, taken at different stages of the fire, have been sold about the campus. Some of them are exceptionally good.

The State Horticultural Society will meet at Paw Paw Feb. 23-24. Prof. Taft gives a talk before the society on "Practical Points in Spraying."

D. Ward King of Missouri who was to begin with a series of lectures at Cassopolis on Monday, the 13th, was not able to meet any of his appointments until Friday at Adrian.

The storms of the past week have seriously interfered with the attendance at farmers institutes in various parts of the state. In several instances trains were stalled and speakers were unable to meet their appointments.

L. C. Coffin, a member of the class of '07, returned to College Monday after a week of illness to find himself without a room and without any of his belongings, having been an unfortunate resident of Wells Hall. He was very much discouraged, having fallen behind in his class work on account of sickness, and having nothing with which to pursue his studies, he decided to return home. It is hoped that he will reconsider his actions and make up his mind that M. A. C. is the best place for him after all.

L. R. D.

Prof. and Mrs. Shaw, and Prof. and Mrs. W. O. Hedrick acted as chaperones at a very enjoyable party given by the Feronian Society, at the College Armory, Friday evening, Feb. 17. The Misses M. Kotvis, C. De Boer and Mr. Frank Smith, of Grand Rapids, and Mr. Drollett, of Detroit, were among the out of town guests.

Thursday evening at 8:30 o'clock the occupants of the Women's Building were given what they termed a fire drill. The fire alarm was sounded at the hour stated and each caught up their wraps as they left their rooms. They came down the stairways, passed out of the front door and entered the basement door. The building was vacated in just two minutes. While it is sincerely hoped that the young women may never be compelled to leave the building on account of fire, the drills prepare them for an emergency.

The Tau Beta Pi gave several of the junior class their preliminary initiation Thursday of last week. The directors chose an open spot northeast of the library building and set their men about building a snow fort. One was kept busy carrying water which was thrown on the works to solidify them, and a very substantial fort was erected, after which sentinels paced back and forth guarding the same. Those who aided in the construction of the works were Messrs. Wilson, Barnett, Spencer, Kingscott and Liverance.

**ATHLETICS.**

**INDOOR MEET.**

The Sophomore-Freshmen meet on Saturday was an exceptionally interesting one, resulting in a victory for the Freshmen 53½ to 43½. The events were as follows: 25 yard dash, Pearsall, '08, 1st; Brucker, '07, 2d; Thatcher, '07, 3d. Hurdles, Brucker, '07, 1st; Thatcher, '07, 2d; Clise, '07, 3d. Shot put, Reid, '08, 1st; Kratz, '07, and Holdsworth, '08, tied for 2d. High jump, Reid, '08, 1st; Thatcher, '07, 2d; Presley, '08, 3d. High dive, Gongwer, '08, 1st; Small, '08, 2d; Kratz, '07 and Rogers, '08, tied for 3d. Pole vault, Small, '08, 1st; Gilbert, '08, 2d; Nichols, '08, 3d. Wrestles. The wrestling matches were all won by the Sophomores, Messrs. Brown, Wright and Waite being the victors.

Two relays were also pulled off, one consisting of eight men and the other of four men. These were also won by the sophomores. These were especially exciting as the team had worked hard for the event and good sprinting was done in spite of the slippery floor.

A part of the wrestles leading up to the finals were pulled off after the meet and the remainder on Monday night. Two weights were left in each class and these will be given Wednesday evening.

In the freshmen work Reid won 15 of the points, winning three firsts. Gongwer in the high dive went 5 ft. 9 in. and the pole vaulting by Small was also a feature.

For the sophomores Brucker and Thatcher won most of the points with the exception of the wrestling and relays. It was with all a successful meet and proves that we have promising material.

This coming Saturday the College team goes to Alma for a dual track and wrestling meet and the Lansing High School meets our freshmen here.

On Friday night the basketball team go to Bay City where they play the Y. M. C. A.

No one can afford to miss the *Athletic Carnival* on Wednesday evening. The athletic events are the dash, hurdles, high dive and running high jump. These will be among the most interesting events to spectators.

C. H. Hach will give an exhibition with the Indian clubs; E. C. Buss and J. J. Cornelius on the horizontal bar; E. C. Buss and Director Brewer on the parallel bars, and Thatcher on the slack wire.

One of the best features will be the tumbling by Cornelius, Belknap, Brown and Barnett, assisted by a clown imported for the occasion.

The finals in the wrestling will also be a feature of the evening.

The entertainment will close with the basketball game between the juniors and freshmen to determine the class championship. Both teams have been hard at work getting ready for this contest, and are evenly matched. It is expected that this will be an exciting game.

The entertainment will begin promptly at 7:30 and plenty of chairs will be provided for those who come.

The price of admission is 25 cents and half of the gross receipts will go to the fire sufferers.

Work has been resumed on Mr. Blair's new house in Collegeville.

N. J. Hill, '08, received a visit from his father, Chas. C. Hill, of Vassar, on Wednesday of last week.

Messrs. Koch & Rider have distributed cards, which announce that they are in position to repair boots, shoes and rubbers at Room 1, Mr. Loew's in Collegeville.

A note from Chas. A. Blake, '06 m, informs us that he has a position with the Buck Motor Works, of Flint. He states that H. G. Walker, '04, and O. M. Nacker, '03, are also with the above firm. Mr. Baker's address is 408 Kearsley St., E.

Nothing like having good friends. Many of those who were left without a place to stay as a result of the fire have been taken in by the more fortunate students and others and practically all are comfortably settled for the present.

Mrs. Mae Gingles made College friends a call on Wednesday of last week. Mrs. Gingles has been visiting at her old home in Eaton Rapids, and when at the College, was on her way to Saginaw where she will have charge of the department of Domestic Art in the new High school building. When she returned from the east she stopped at Drexel, Philadelphia, where she visited Miss Lyford.

A bill has been introduced in the present legislature, which has for its object the provision for inspection of commercial feeding stuffs, and also provides for the removal from the College of the state control of commercial fertilizers, both of above to be placed in charge of the State Dairy and Food Commission. It will be remembered that the law now governing the above was brought about through Dr. Kedzie at the College some twenty years ago.

Miss Georgiana Blunt formerly instructor in English and German at M. A. C. receives her Ph. D. degree at the University of Michigan next June. Her thesis on "Kartharsis" or the fundamental of aesthetics consists of seven chapters with a total of 40,000 words and is a work embodying striking originality and depth of thought. She takes the somewhat fragmentary discussion of Aristotle as a basis, although she also discusses Kant to some length and shows the falsity of his work. Altogether her contribution is one which will prove a valuable acquisition to the literature on this subject and should be read by all who care for sober thinking along philosophical lines. At present Miss Blunt is suffering from the physical reaction after the long, severe strain necessary for the article.

In case of danger, presence of mind is good, but absence of body is better.—*Ex.*

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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.

**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.

**WAGENVOORD & 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.**

**BUY** your Dry Goods and Clothing at **H. KOSITCHEK & BRO'S.** Dry Goods Store 210 Washington Ave. S. Clothing Store 113 Washington Ave. N.

**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 Wash. 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 Alsdorf & Son, Drugs and Druggists' Sundries. 102 Washington Ave. N.

**DRY GOODS.**

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

A Union City farmer gets the current week's medal. He says he sprinkled angle worms on the ice and the fish were so hungry that they kept their noses pushed against

**ELECTRICAL SUPPLIES.**

**CAPITOL ELECTRIC CO.** Electrical Supplies, Telegraph Instruments and Telephones. 32½ 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.

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**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.

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**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.

**MUSIC, PIANOS, ETC.**

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

**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.

**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.

the ice until the water froze them stiff and solid in the ice. He is now cutting the ice and will sell the fish next summer. He gets about four fish to the chunk.—*Ex.*