

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 9.

LANSING, MICHIGAN, TUESDAY, NOV. 10, 1903.

No. 8

M. A. C. 43, HILLSDALE, 0.

A crowd of 250 students accompanied the team on its trip to Hillsdale. All had a good time and made things lively. Hillsdale simply capitulated. Nothing could be heard but M. A. C. yells and cheers.

Hillsdale kicked off and M. A. C. secured the first touchdown without losing the ball in about four minutes. Hillsdale now had the ball but fumbled. McKenna picked it up and ran 35 yards for the second touchdown. Time of play, one minute. Hillsdale never held for downs and never made the desired 5 yards in the first half. Boone was the only Hillsdale player who made any gains at all and he made 10 yards in two plays. This was the only time that Hillsdale made 5 yards in three downs.

McKenna made the third touchdown by hurdling the line; the fourth was secured on a quarterback kick, Doty and Bell falling on the ball behind the line. A crisscross from Peters to McKenna netted 45 yards, a fake side-line play gained 40 more and a few other plays secured the fifth. Straight football made the next one and thus the first half ended 32 to 0 in favor of M. A. C.

In the second half, 15 minutes were played. Two touchdowns were secured, Decker and Kratz carrying the ball. Hillsdale now began to lay off and greatly delayed the game. Time was finally called on account of darkness, thus saving Hillsdale from much larger score.

Hillsdale students accorded the boys excellent treatment.

The lineup:

M. A. C.		HILLSDALE
Shaw, Grover	r. e.	Newfang
Kratz	r. t.	Boone, DePew
Peck, Shaw	r. g.	Wood
Decker	c.	Mitchell
Case	l. g.	Snyder
Bell	l. t.	Duross
Peters, McCue	l. e.	Hogan
Small	q.	Wayne
McKenna	r. h.	Bell
Millar	l. h.	Johnson
Doty, Peters	f.	DePew, Boone

Time of halves 25 and 15 minutes.

NOTES ON THE GAME.

Shaw on offensive showed excellent form making long gains repeatedly.

McKenna starred in open field work, making four long runs.

Case was one of the steadiest men on the line.

Kratz was a steady ground gainer. Bell's work on defense was phenomenal. He stopped every Hillsdale play in the first half by breaking through the line.

Hillsdale couldn't do anything.

Every M. A. C. play netted from 5 to 15 yards. If full time had been played, the century mark would have been reached for Hillsdale was weakening rapidly.

Every M. A. C. player was in the game all the time and came out without a scar.

The Sophomores in physics are studying electricity. The laboratory work is in electrical measurements.

ALBION—M. A. C. GAME.

Albion comes next Friday. They come here to win. So far M. A. C. stands first and Albion second in the Colleges of the state. The game on Friday practically decides the championship. If M. A. C. wins her title will be clear for Olivet has been badly beaten by Kalamazoo. Albion defeated Kalamazoo 6 to 0. On comparative scores, Albion and M. A. C. are practically a tie. In individual men and weight Albion has the advantage. Their strong points are two tackles who average over 190 pounds and a star fullback, Bliss, who weighs 190 pounds. Albion has been working to defeat M. A. C. ever since the opening of the season. Her professors have been making speeches to that effect. M. A. C. must win and every student should be out to encourage the team. Albion will send a large delegation of rooters including a large number of citizens. It will be the big game of the year as far as the College are concerned. Mass meetings will be held Wednesday and Thursday evening in the chapel to practice songs and yells. Come out and do your part.

Y. M. C. A.

Mr. W. Merrick led the Thursday evening prayer meeting. Theme for discussion: "*Danger in Delay*." The interest was lively and well sustained and the attendance good.

Dr. R. C. Dodds of the First Presbyterian church, Lansing, conducted the Sunday morning chapel services. Text: 1 Cor. 3: 21. "Therefore let no man glory in men, for all things are yours." Dr. Dodds brought out the idea that no one really possessed anything in the highest sense of the term, who did not or could not make it useful in promoting the happiness and highest well being of the so called possessor. In this higher sense of possession the child of God possesses all things. The service was well attended.

The Sunday evening meeting was addressed by the state geologist, Dr. Lane. His theme was "*Uncertainty and Its Place in Human Experience*." The address was very interesting. Dr. Lane showed that a tinge of uncertainty was always necessary to give interest to any phase of life. It is the element of uncertainty that makes hope possible, and without hope the human life would be reduced to its lowest form, in fact without it man could not exist. The chapel was crowded, giving a hint that it is too small for not far distant evening meetings.

Y. W. C. A.

The Thursday evening prayer meeting was conducted by Miss Irene Way. It was a recognition meeting for new members at which they gave scripture quotations in response to roll call. The Bible lesson was from the 6th chapter of Ephesians.

LECTURE.

Do not forget the lecture next Friday evening in the chapel by A. B. Lightfoot. It will be interesting and instructive. The lecture is free to all and the chapel should be full.

BASKET BALL.

All students interested in Basket Ball are requested to meet in the Y. M. C. A. rooms on Wednesday, November 11 at 12:30 p. m. Practice will begin as soon as possible. M. A. C. had a championship team last year, won every game and prospects are good for a similar team this year. Mr. E. Balbach is the captain.

BIBLE CLASSES.

The Y. M. C. A. is giving excellent opportunities for Bible study this year. The following classes are arranged and are open to any and all students. In "The Life of Christ" there are three classes all meeting at the same hour, 8:15 Sunday morning.

Class 1 meets in room 8, College Hall. Dr. Waterman, leader.

Class 2 meets in Room 7, College Hall. C. B. Collingwood, leader.

Class 3 meets in the Association rooms. Bert Wermuth, leader.

Class 4 to be arranged yet. A class in the "Acts of the Epistles" meets in the History class room, College Hall. W. O. Hedrick, leader.

Another class in "The Old Testament Characters" meets in the Association rooms at 2:30 p. m., Sunday, G. Masselink, leader.

All men are in College to get an education. An accurate, or certain definite knowledge of sacred scripture is one of the requisites of a college education and should not be neglected by the student.

The old labor system of M. A. C. is a thing of the past. Ye editor has a vivid recollection of the days of the grubbing hoe, axe and spade from '91 to '95. One honest freshman did as much work in a day as two sophomores, three juniors or five seniors. Towards one o'clock large crowds were slowly wending their way towards the farm or hort. to do manual labor till half past three. Some of the work was interesting and instructive, but a large amount of it was raking leaves, husking corn, etc. The was good for the boy from this town, but the boy from the farm had all he wanted of this at home. Besides he considered that eight cents an hour was a premium on shirking and was in the words of Peter V. Ross, '95, the wages of sin. As a consequence there was more or less friction all the time. Now all labor is called educational or skilled. The former is not paid for and the latter receives pay according to the law of demand and supply.

ALUMNI.

'86.

Prof. P. B. Woodworth, Lewis Institute, Chicago, has been elected president of the Chicago Electrical Association.

With '87.

Hon. Chas. E. Bassett, who has been seriously ill with typhoid fever, is gradually improving.

'89.

L. A. Clinton is director of the Connecticut Agricultural College experiment station at Storrs, Conn. He recently sent an interesting bulletin to M. A. C. on the relation of temperature to the keeping property of milk.

'93.

W. W. Parker is chemist and manager of the Pacific Starch Co., of Tacoma, Washington. This company manufactures the famous Camden Pure Wheat Starch, and is the largest wheat starch concern in the world. Its factory at Tacoma has a floor space of 46000 square feet and has tanks with a capacity of 330,000 gallons. It has a capitalization of \$575,000 and has agencies in China, Japan, Hawaii and London.

Mrs. P. B. Woodworth has been spending some time in St. Louis, Mo., taking care of her brother, Edward Hale Clute. M. A. C. people were sorry to hear of his death on Oct. 31st. Mr. Clute was a special student at M. A. C. in 1892. After that he taught for a time at Lake City, Florida. THE RECORD extends sympathy to the friends and relatives.

'94.

S. F. Scott is assistant to Prof. Prescott in the chemical laboratory at the University of Michigan.

With '94.

Frederick B. Phillips is engaged in the manufacture of store fixtures in Detroit. He is to be married on November 18th.

With '95.

Henry Colquitt is engaged in electrical engineering in Detroit. He is one of the proprietors of an engineering firm that is located on Jefferson Avenue.

A. T. Humphrey is working in the sugar factory at Sebawaing. Aside from the fact that he had the misfortune to lose a leg some years ago, he is much the same as ever.

A. C. Mac Kinnon of the firm Mac Kinnon Manufacturing Co. of Bay City called at M. A. C. last Friday. Mr. Mac Kinnon had been on a business trip through central and southern Michigan. The firm employs 100 men and is doing a large business. They manufacture machinery and take contracts for construction work at sugar factories and other establishments. "Mac" is married and has a pleasant home at 504 N. Monroe St.

(Continued on page 4)

THE M. A. C. RECORD.

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

EDITORS.

G. MASSELINK, MANAGING EDITOR.

ASSOCIATE EDITORS:

H. N. HORNBECK, '04a.

L. T. CLARK, '04a.

F. H. SANFORD, '04a.

ANNA PICKETT, '04a.

BESS K. PADDOCK, '05a.

G. F. TALLADAY, '05a.

R. C. POTTS, '06a.

GRACE BRAHAM, sp. w.

D. S. UPDEGRAFF, '07m.

Subscription, - - - 50 cents per year.

Remit by P. O. Money Order, Draft or Registered Letter. Do not send stamps.

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

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

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

TUESDAY, NOV. 10, 1903.

COUNTY Normal Training Schools are being instituted throughout the state. They will undoubtedly result in much good providing suitable instructors can be secured. One thing is certain, a good teacher cannot be retained for board, room and washing. Salaries must go up. A lamentable thing about these schools is that no provision has yet been made for teaching the elements of agriculture. Bailey says that one-third of our people live by the plow, and the other two-thirds live because they follow that noble occupation. Agriculture is the oldest art, but the newest science. Its possibilities in Michigan have not been exhausted by one-half. What a glorious thing it would be if the rising generation could be given a desire to investigate this art from a scientific standpoint. Let the teacher of science in these training schools be a young man who knows not only science, but also its application to the farm, livestock, the dairy and fruit culture. Pres. Snyder advocated this very strongly in an address before the Schoolmasters' Club last year, and it is now up to the state authorities to act.

GENERAL TEACHERS' MEETING.

Several years ago Pres. Snyder inaugurated a scheme by which the entire teaching force should meet at stated times to discuss topics of general interest. At these meetings some one department was to give an address indicating the nature of the work, methods of presentation and general aim. At the meeting last Tuesday evening, Prof. W. O. Hedrick of the department of history and economics gave a thorough discussion of the subjects of history, civics and political economy. He stated that at the present time historical perspective is seldom considered at M. A. C. It is presumed that the student has already attained it. The ends in view are mental discipline and a clear, comprehensive understanding of the forces and institutions amongst which we live. The general scheme followed to develop this insight into present day civiliza-

tion is to trace its lines of growth through the peoples of Western Europe and America. It is assumed that modern history is of more importance to the student than ancient. Hence English history is given first, then nineteenth century history, European history in the Sophomore year, early European in the Junior, and United States Constitutional history in the Senior year.

The German method is largely used in presentation. Records of Congress and of the constitutional and state conventions, presidential messages, state papers, contemporary newspapers and private correspondence—all well arranged for studying purposes are everywhere at the student's disposal. Reference books are numerous and recitations upon these are required the same as upon the textbook.

Political science is taught for two terms, one term to juniors and one to seniors. The dictum of proceeding from the part to the whole, from the particular to the general, has no place in teaching civics. The student has heard of the doings of Congress and the President and in these he is interested and feels at home. Hence, the student begins not with the highest forms of government like international relations, nor with the lowest type like the school district, but with something intermediate. The nature, history and tendencies of our governmental institutions are first considered; then the problems that arise in managing these institutions, such as the duties of representatives, the extension of the suffrage and the functions of our political parties. Following this study of the outward parts of society, the nature of civil society itself is investigated. The relation of governments to such society, the powers of society and the functional character of government are considered.

Political economy is a senior elective. Its pedagogical presentation has been greatly affected by two great economic movements—the money question and that of trusts and monopolies. The lecture system is used in this connection to some extent. To be scientifically correct one should enter the study of economics through the phenomenon of price. All practical questions are a matter of price, tariff questions, labor problems, money, trusts and monopolies pivot themselves invariably upon price. It furnishes a measure of all the efforts and sacrifices which have entered into the production of a commodity or service.

The bond of harmony in all the subjects of this department is the development in the student of "social consciousness." Society is an organism within which the man or woman has some function. No true explanation of suffrage, of taxation, of legal penalties, of military service, or of compulsory education is possible without the organic conception of society. The sense of relationship among those who form this organism is "social consciousness."

The lecture was much enjoyed by all and evoked a lively discussion. No member of the teaching force can afford to be absent from these meetings. The RECORD regrets not being able to publish the article in full.

The sugar beets on the experiment station have all been harvested. The sugar content is high, varying from 13 to 17 per cent.

The college community was greatly shocked by the telephone message announcing the sudden death of Miss Rubie E. Light, class of 1904. Last Thursday Miss Light was called to the phone by her father from Saginaw. He requested her to come home on Friday to see some friends who were paying them a visit. Miss Light left on Friday and wrote on her card that she would return at 10 a. m. Monday. Mr. Light, who is a dentist, had been ill for some time, was very nervous and seemed to be at times mentally unbalanced. He probably became violently insane Sunday night and at some time that night fatally wounded Mrs. Light and shot Rubie, who had presumably fled to the kitchen, so that death was almost instantaneous. He then committed suicide by taking poison. Letters indicate that the whole affair was carefully considered and all details arranged some days in advance.

Miss Light was well and favorably known to everybody at the College. She was a young woman of excellent character, had a very sunny disposition, was genial and good natured all the time. On account of these traits of character and the fact that she always tried to lend a helping hand and was kind, she was one of the most popular girls in College. She was a member of the Feronian Society and leaves behind her a host of friends to mourn her departure. Her untimely death is especially sad. The only consolation in this awful tragedy is Miss Light's past life. She shed about her a ray of sunshine and left behind her a record of deeds on which memory loves to dwell.

Enrollment by counties of Michigan students who entered M. A. C. this fall: Allegan 8, Alpena 1, Antrim 4, Barry 10, Bay 7, Benzie 4, Berrien 6, Branch 4, Calhoun 12, Cass 4, Charlevoix 4, Cheboygan 1, Chippewa 2, Clinton 5, Crawford 1, Dickinson 1, Eaton 6, Emmet 2, Genesee 8, Gogebic 1, Grand Traverse 2, Gratiot 4, Hillsdale 11, Houghton 2, Huron 9, Ingham 59, Ionia 3, Iosco 2, Jackson 11, Kalamazoo 2, Kalkaska 1, Kent 18, Lapeer 6, Lenawee 11, Livingston 6, Mackinac 1, Macomb 5, Manistee 2, Mason 1, Mecosta 1, Menominee 1, Missaukee 1, Monroe 4, Montcalm 5, Muskegon 2, Oakland 8, Oceana 1, Osceola 1, Ottawa 7, Saginaw 4, St. Clair 4, Sanilac 6, Schoolcraft 1, Shiawassee 11, Tuscola 3, Van Buren 7, Washtenaw 1, Wayne 29, Wexford 4.

The Zoological Department has just received from Florida two interesting specimens of spiders and their work. Each spider is enclosed in a silken tube nearly a foot in length, and so far as known it never leaves this tube, but catches insects and other prey by striking its fangs through the walls of the tube and afterward cutting a slit and dragging the victim inside. Later the slit is repaired and another victim awaited. The tube extends several inches below the surface of the ground but the greater part of its length is above the surface, fastened against the trunk of a tree. The specimens were collected and sent by Mr. F. C. Reimer ('03), who is now assistant horticulturist in the Florida Experiment Station, at Lake City. The specimens will be shown at the meeting of the Zoological Club Tuesday evening, when Mr. Reimer's account of the habits of the spiders will be read.

LAMPKE BROS.

M. A. C. STORE.

GENTS' FURNISHINGS,

Shoes and Domestic

AT THE

"WHITE ELEPHANT."

College trade is specially solicited.

MAKE A CALL

AT THE

WHITE ELEPHANT

WHEN YOU WANT YOUR

LINEN AND CLOTHES LAUNDERED. CLOTHING CLEANED, PRESSED and REPAIRED. SHOES NEATLY REPAIRED.

Workmanship, Satisfaction, Promptness and Reasonable Prices will be our aim. Work called for and delivered. We earnestly solicit your valued patronage. Citizens phone 821-3r.

BROWN & RUSSELL, Prop'rs
Crescent Steam Laundry.

"WILSON'S SUGAR BOWL"



For Party Supplies, Table Decorations, and the daintiest of Confections, we are HEADQUARTERS.

Rest and refresh yourselves at our Soda Parlor. Drinks, hot or cold. Later we will have light lunches

FIRE UP!

Tell us what fuel you wish to burn and we will show you a stove that will please you. We have a choice variety to select from. We have the agency of the PEACH OIL HEATER, and it is a peach. Call and see it.

Norton's Hardware
111 Washington Avenue South.

Furniture...

Headquarters

COMPLETE LINE OF
FURNITURE FOR
STUDENTS' ROOMS

Canvas Cots at 95c. Woven Wire Cots at \$1.50. Woven Wire Springs at \$1.50, \$2.00, and \$2.50. Mattresses at \$2.00, \$2.50 and \$3.00. Tables at \$1.50 and \$1.35. Chairs at 50c up.

All goods delivered
to your room free.

M. J. & B. M. Buck.

When you buy a Sweater

Why not get the best? SPAULDING'S SWEATERS AND ATHLETIC GOODS are the recognized standard of this country. We have the different qualities at four, five and six dollars, in white, black, maroon, navy and grey. All the late things in Hats, Caps, Neckwear and Gloves; in fact, everything in the way of Ladies' and Men's Furnishing Goods. Students' patronage solicited.

Elgin Mifflin.

THE JEWETT & KNAPP STORE Lansing's Low Priced Reliable Store

Every Department full of New Fall Goods.

New Dress Goods, Silks, Laces, Gloves, Hosiery, Underwear, Silk and Cotton Shirt Waists, Muslin Underwear, Dress and Walking Skirts, Tailor Made Suits, and Jackets.

We also carry a Complete Stock of Lace Curtains and Draperies.

Jewett & Knapp,

222, 224 Washington Ave. S.

Lansing, Mich.

"A Patent Leather Shoe
That Won't Break Through."

Price **\$3.50** the pair

It has a swing and a fit that
dresses the foot to the
King's taste.

Don't fail to see this
shoe.



C. D. Woodbury,

HOLLISTER BLOCK.

ABOUT THE CAMPUS.

Miss Ruby Newman spent Sunday at her home in Portland.

Mrs. Pratt of Middleville has been visiting her daughter at M. A. C.

The farm department has a fine crop of mangles. 75 tons have been harvested from three acres.

Prof. Taft spent part of last week inspecting nurseries at Leslie, Bronson, Benton Harbor and St. Joseph.

The Zoological Club had an interesting discussion of frogs at its last meeting. Many observations were made on general topics.

A class room has been fitted up in the implement barn for class use in judging stock. It is very conveniently arranged and heated by steam.

Dr. Waterman was called home last Thursday on account of the death of his father. The College community hereby extends sympathy.

The horticultural department has exchanged some 15 varieties of fruits with the Massachusetts Agricultural College for class room purposes.

Prof. F. S. Kedzie has presented a collection of 16 charts showing the distribution of forest trees in North America to the department of forestry.

Prof. C. D. Smith has been asked to deliver addresses before the following State Dairy Associations: Iowa, Nov. 17; Illinois, Jan. 6, and Ohio, Jan. 27.

Duroc pigs have recently been sent to Lansing, Three Rivers and Washington, Mich. This breed is very popular and the College has some fine animals.

The State Grange meets in Representative Hall, Lansing, the second week in December. Dr. Beal and Prof. Jeffrey will talk on how to teach agriculture.

Mr. I. H. Butterfield of Pontiac visited his daughter over Sunday. Mrs. Butterfield is visiting K. L. Butterfield, president of the Rhode Island Agricultural College.

The farm department has purchased ten tons of dried molasses beet pulp. It will be used in feeding dairy cattle. Effects on the quantity and quality of milk will be carefully noted.

The College farm has about 148 acres of hardwood forest. It is under the control of the department of forestry. The timber is cut at a certain rate but not to exceed the ability to reforest the cut district.

Some choice apples from the South Haven station were recently sold in Chicago at \$2.25 per crate. The crate used resembles an egg crate and holds from 120 to 200 apples depending on the size. It is known as Cummer's folding crate.

The aggregate strength of the military organization at the close of the college year, 1903, at 74 colleges was 13,144, or about 40 per cent of the total number of male students actually in attendance at those institutions. M. A. C. certainly is far ahead of this in point of number of cadets in military department.

B. O. Longyear is investigating the bitter rot of apples. The disease may live through the winter on injured branches where spores are produced which attack next year's crop. The disease is found in nearly every state east of the Mississippi river. Michigan apples have been affected some but not seriously so far.

Tuberculin and how to use it, is the title of an interesting article in the Chicago Record-Herald of Nov. 4 by Dr. Marshall. The Record-Herald is extending its circulation in the rural districts and regularly publishes articles of scientific interest to farmers. Experts are selected along different lines and some valuable material is thus distributed.

The horticultural department has received persimmons and kumquats, a small orange-like fruit, from F. C. Reimer, of Florida. The class in pomology has studied them carefully, and also had the pleasure of making practical tests. Chestnuts, hazelnuts, filberts and walnuts have been sent from South Haven for the same purpose.

The M. A. C. Foresters held their second meeting Tuesday, Nov. 3, in the dairy building. The constitution was read and adopted and the following officers were elected: Chief Forester, S. H. Sanford; Assistant Chief Forester, Geo. F. Talladay; Chief of Records and Accounts, A. N. Robson. The next meeting will be held in the Dairy building November 19 at 6:30 p. m. All interested in Forestry are invited to be present.

The Boarding Club Association has modified its constitution to the extent that hereafter all supplies will be purchased by a special agent. Until now, each steward and frequently the different cooks have bought material from the different stores in Lansing and Collegeville. While reductions have been secured from the regular retail price, still nothing like wholesale prices have prevailed. It is now proposed to do all buying from wholesale establishments. An experienced man will be secured and the work will begin next January. The total purchases do not vary much from \$1,000 per week for the College year. The clubs can save a great deal if a business man can be obtained.

Instructor Michels has a very interesting plan for a modern creamery. Complete drawings can be found at the dairy building. The idea is to supply plans for a fire-proof brick building with galvanized iron roof and having a capacity of 20,000 pounds per day. The total cost of the building will be about \$1400.00 and the equipment will cost about \$2900.00. There is much need throughout the state for correct and modern plans. Creameries are going up rapidly, fires are numerous and many times some very important details are inconveniently arranged or left out entirely in the construction of new buildings. There are about 250 creameries in the state but they handle only a quarter of the butter. Michigan could easily support 1000 creameries.

ALUMNI.

'96.

Loren P. Fimple was united in marriage to Miss S. Downie Thompson, on Wednesday, October 21. The ceremony was performed at the home of the bride's parents in Big Sandy Valley near Malvern, Ohio. Mr. and Mrs. Fimple left for a trip east, during which they will visit Washington and other places of interest. THE RECORD extends congratulations.

With '96.

E. E. Gallup is studying educational philosophy in Ann Arbor. He expects to remain there for some time and specialize along educational lines.

'97.

L. S. Munson has recently been promoted to Chief of Contracts Laboratory, Department of Agriculture, Bureau of Chemistry. All contract work is analyzed by his department. At present he is working on printing inks.

With '97.

D. F. Pagelsen is a successful attorney at Grand Haven, Mich. He recently had three cases in the supreme court and won all three.

Benjamin H. Halsted, of Petoskey, was married last July to a Hoosier girl. Mr. Halsted graduated from the University of Indiana in 1898, and while there made the acquaintance of Mrs. Halsted, who is also a graduate from that institution.

'98.

F. V. Warren is engineer for the Smedley Construction Co., of Philadelphia. His duty consists largely in estimating cement work. He is now a member of the firm and can be found at 712 Stephen Girard Building.

With '98.

O. H. Reed, who is with the state board of health at Lansing, has charge of several contagious diseases. He was admitted to the bar some time ago, and does work as an attorney whenever time permits.

Thomas Denton is farming near Saginaw. It has been learned from reliable authority that he recently became a benedict. Particulars are lacking.

Fred H. Yaple is gaining quite a reputation as dramatic reader and entertainer. He made a successful tour of the west last year and has written considerable poetry which is said to be very popular. His picture recently appeared in the *Chicago American* and very favorable comments were made.

With '99.

C. P. Wykes is in the Commission and Brokerage business in Grand Rapids, Mich. He was formerly clerk for a general produce firm but has lately started a business of his own.

'03.

W. D. Severance is teaching at East Jordan. He thinks strongly of going to the Philippines in the near future.

J. G. Moore has resigned his position as manager of the co-operative book store. He leaves next Monday for Detroit, where he will be employed on the editorial staff of the *Michigan Farmer*.

The Tau Beta Pi is an honorary fraternity of the engineering department. Its membership is limited to one-eighth of the junior class and one-fourth of the senior class. Scholarship is the principal requisite for membership. Messrs. Adelman, Carter and Gurney of the senior class and Mr. H. S. Hunt of the junior class were recently admitted. The present officers are: S. E. Johnson, Pres.; E. Balbach, V. Pres. and Treas.; W. F. Carleton, Rec. Sec.; H. G. Walker, Cor. Sec.

Instructor Holbrook, who has charge of the department of physics at present, gave a very instructive and entertaining lecture on the X-ray and other interesting subjects last Wednesday evening. The lecture room was crowded and all enjoyed the practical work as well as the explanation of the theory. The lecture will be repeated for young men next Thursday evening and a general invitation is extended. All students interested in these modern developments in physics should not fail to be present.

"Why does Michigan rank first in the production of beet sugar? We have no better climate, soil, or water for such a purpose than many of our sister states. We win because Prof. Robert C. Kedzie, so many years the great chemist of our Agricultural College, put his brain, sense, love and energy into the work. He was a product of Michigan schools and his work is of enough value to the state to repay the cost of educating all the children of the state for 20 years or more." —*Moderator-Topics*.

The following is taken from the annual report of the Inspector General to the Secretary of War:

General Orders, No. 6, War Department, Washington, August 24, 1903, will doubtless mark an important epoch in the history of military instruction at civil schools and colleges. Briefly summarized, it provides for the appointment of six honor graduates to second lieutenantcies in the Regular Army from as many colleges, provided that sufficient vacancies exist after exhausting the graduates of the Military Academy at West Point and the successful competitors among the enlisted men. This will assuredly supply a long-felt want in the nature of a healthy material incentive for students to take the military course. Heretofore the military department could offer no reward to those possessing a practical knowledge of military matters, acquired, perhaps, at some sacrifice and neglect of other branches of learning which offer larger fields for usefulness in after life. But hereafter, under the provisions of this order, the cadets having the highest standing in the military department can look forward to the promise of a commission in the Army, with all its significance implies.

FOOTBALL

... SUPPLIES ...

LANSING HEADQUARTERS FOR ALL

FOOTBALL GOODS.

Everything for the Athlete.

J. H. LARRABEE,

325 WASHINGTON AVE. SOUTH.

THE OLD ELK

Carried no insurance although Elks generally want the best.

The Mutual Benefit Life Insurance Co.,

OF NEWARK, N. J.

Furnishes insurance at cost.

CHAS. B. COLLINGWOOD, DISTRICT MANAGER.

AGRICULTURAL COLLEGE.

LANSING OFFICE, 100 HOLLISTER BLOCK.

When in need of

FINE STATIONERY, INVITATIONS
or CARDS

CALL ON

Lawrence & Van Buren Printing Co.

122 Ottawa St. E.

Lansing Mich.

DIRECTORY

LANSING BUSINESS and
PROFESSIONAL MEN

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

BARBERS.

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

BOOKS AND STATIONERY.

A. M. EMERY, 116 Wash. Ave. N. Books, Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames. Fine Framing a Specialty. New store. New Stock.

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.

WAGENVOLD & CO.—Bookbinders, Blank-book makers, Library and Art Bindings, Albums, Pocketbooks, Map Mountings, etc. Back numbers of magazines and periodicals supplied. Bell phone 378, 109 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," Washington Ave. S.

CLOTHING.

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

LOUIS BECK.—Clothing, 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. 61, 218 Washington Ave. S. Phone, Citizens 862.

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

R. W. MORSE, D. D. S. Hollister Block, Room 517. Citizens Phone 62, Bell Phone 396.

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

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.

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 REUTER, 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, 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. Miss Josephine Thrasher, Hairdresser. Switches made of cut hair or combs. New phone 118. 222½ Washington Avenue S., up stairs.

MERCHANT TAILORS.

JOHN HERRMANN'S SONS. 218 Washington Avenue N.

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

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.

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.

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

D. R. 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. Bell phone 172-2 R.

D. R. OSCAR H. BRUEGEL. Hours 9 to 11 a. m.; 2 to 4 and 7 to 8 p. m. Agricultural College, Mich.

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.