

# The M. A. C. Record.

Vol. 5.

LANSING, MICHIGAN, TUESDAY, APRIL 10, 1900.

No. 29

## Good Work.

During the past week the Farm Department received and tabulated the data obtained in connection with the beef steers and heifer fed at the farm this winter, and subsequently sold on Buffalo market. While the showing of all the animals is good, that of *Roxie* is exceptional, in that, if not actually the best on record it is very close to the champion. From Sec. Coburn's "The Beef Steer," we learn that the best record of "net dressed meat" given, was that of the pure-bred Shorthorn steer, *Clarence Kirklevington*, who dressed 70 per cent. *Roxie* dressed 73.93 per cent. The following tables give the figures of each:

Live and Dressed Weights of Aberdeen Angus Steers and Heifer Fed at M. A. C. Winter of 1900.

Names.	Weight in Buffalo.	Dressed beef.	Dressed fat and tallow.	Dressed beef, fat and tallow.	Dressed beef.
Roxie,	1,680	1,083	145	73.93	64.46
Wiggins,	1,660	988	145	68.25	59.51
Peck,	1,280	810	102	71.25	63.28
Johnson,	1,050	630	80	67.61	60.00
Baroness' Girl	1,230	714	84	64.87	58.86

Per Cent of Fat and Tallow in Relation to

Names.	Live Weight.	Dressed Beef Fat and Tallow.	Dressed Beef.
Roxie,	8.62	11.80	13.30
Wiggins,	8.73	12.79	14.67
Peck,	7.96	11.18	12.59
Johnson,	7.61	11.26	12.71
Baroness' Girl,	6.82	10.52	11.76

## Athletic Notes.

The track and base ball diamond have been raked and rolled and the athletes of all kinds have begun to train in earnest.

The preliminary field day for the remaining events, in order to weed out the track team, will be held Saturday afternoon, April 21, on the College field.

Negotiations are on hand for a dual meet with Olivet in the near future.

The base ball games of M. A. C. which will count in the percentage plan are those played with Kalamazoo, Hillsdale and Ypsilanti.

Each college in the association plays championship games with three others, and the three having the highest per cent. will play for the cup at the field day.

Our first two games will count, as they will be played with Kalamazoo, April 14th, and with Hillsdale the 21st, both being away from home.

The bicycle team will train for the first few weeks on the home track, until the track at the Fair Grounds can be put into condition.

## Farmers' Club.

The young prospective farmers of M. A. C. held their first meeting of this term last Wednesday evening in the Agricultural Laboratory with a large attendance. Dr. Marshall, our bacteriologist, gave an interesting talk on contagious diseases. It was short, practical and useful. He said that many contagious diseases have caused much worry and damage to the farmers, not so much from the

epidemic itself, as on account of the lack of proper treatment of the animals affected and healthy. He cited some instances of hog cholera which have come under his observation during the past few years that were due to carelessness. Pathogenic germs may exist in the water or the feeding stuffs and in the manure; however, they could be prevented from becoming fatal with hygienic precautions. A man can take care of diseased animals for years without catching the disease, provided he is careful, especially when he has a hardy vigorous constitution. The best way to check a contagious disease is to isolate the affected animal or kill it at once and apply an antiseptic to the place before using it for other animals. If you wish to make your stock pay and your work successful be clean in your work, keep your eyes open to prevent chance for contagious germs from attacking your flocks and herds. Hold to the practical side of hygienic bacteriology.

At the business meeting on account of the resignation of Cor. Secy., R. A. Whitney, A. G. Bodourian was elected to take his place. A. G. B.

## Bite Was Fatal.

Percy Selous, who was bitten on Thursday by a moccasin water snake, died Saturday night. He was a professor of art and language in the Greenville schools, but had a love for reptiles. He had several boxes of different kinds of venomous snakes, which he kept in his house, and every day let them out in his room and played with them. He handled them and on cold nights took them to bed with him and placed them next his body to keep them warm. It was while he was having the moccasin out in the room that he was bitten. He attempted to get the snake back into the cage and touched the reptile's tail, when he sprang and bit him. The doctors worked over him without avail. About two years ago he was bitten by a massasauga and it was several weeks before he was entirely over the effects of it.

Prof. Selous of Greenville, was well known by many here at the college.

## The Y. W. C. A. in Charge.

The Sunday morning chapel services were conducted by the Young Women's Christian Association. The choir was composed of girls and the president of the association presided. Miss Barnes, the state secretary of the Y. W. C. A., gave the address. She spoke of the fact that the majority of the positions of honor and trust today, are filled by comparatively young men and women, and the early age at which young people go into business makes the work of the city Christian associations and state secretaries necessary. The work of the Y. W. C. A. in cities was dwelt upon and the chief facts in regard to it were pointed out. Special emphasis was laid on the importance of having the college associations well represented at the Geneva Conference.

At the close four girls passed pledge cards for the state work and over twenty dollars was given. M. C. S.

## Manual Training.

State Superintendent of Public Instruction J. E. Hammond, '86, has issued a circular on Manual Training. He claims that it is not the mere teaching of handicraft, nor the discovery of natural aptitudes. Its prime reason is *growth*. It has a purpose, develops attention and enforces judgment. He also makes the following claims:

"1. That it develops and enriches the intellect, strengthens the will by developing the power of concentration, and by its social development fosters public spirit.

"2. That it saves time. It is the testimony of those giving careful study to the subject, that by reason of the development of the practical side of education and a greater concentrative power, pupils accomplish as much in history, English literature, German, and bookkeeping as do high school pupils not taking manual training, and a good deal more of science and mathematics—not to mention the additional work of manual training proper.

"3. That it removes the common objection that our schools do not fit pupils for the duties of life.

"4. That it develops the sensibilities, and thus quickens the moral nature, while purely intellectual attainments do not.

"5. That in the final analysis of progress we are astonished to perceive its dependence on the manual. Every work of art, be it painting, sculpture, or edifice, is of the manual. Every visible feature of civilization is the product of the manual, and dependent upon it for its continuance.

"6. That manual training is elevating; that it is the worst foe to vice and crime. The ranks of the vicious and criminals are not replenished by busy young men and women.

"7. That it is delightful. One needs but to visit the manual training work of a school to appreciate the real delight there is in that sort of study. Not that all pupils love all the work, although many claim that they find real enjoyment in it all; but everyone, except the hopelessly indolent, finds in it somewhere his delight, and thus learns from his own experience how elevating and hence how noble, is labor.

"8. That the principle of 'the greatest good to the greatest number' is not ingrafted in our present school system.

"9. That manual training would add to the years of the school life of the masses, thus giving them school influences during the most critical years of youthful development—the years of social growth and independent thinking."

Several interesting statistical tables are given. Of the 13,000,000 men in the United States between the ages of 16 and 35 years, 92 per cent. earn their living by their hands, but only 5 per cent. received an education which prepared them for their occupations.

In 43 Michigan cities less than

16 per cent. of the children enter the high school, and less than seven per cent. graduate. In this respect Michigan is far ahead of Chicago and Milwaukee, as in those cities only 3 per cent. enter the high school and only one-tenth of these graduate.

## World's Famous Libraries.

Perhaps at the present day the most famous library in the world is the British museum, London. It is not the largest nor the most ancient, but it is catalogued with such marvelous accuracy and is so generally up to date that it outranks all others. It started originally with a gift of 50,000 books to the nation by Sir Hans Sloane, but became truly great in 1757, when King George II, presented it the priceless collection of books and manuscripts which had been made by his predecessors. Other magnificent gifts from royalty followed. There is also a law that of each book published and entered at Stationers' hall there must be a copy deposited in the museum.

The national library of France has the most volumes of any. It is housed in a magnificent building, but its foundations were laid in the Louvre, when Louis XI, gave a small collection of books. The library was added to by the forfeited libraries of private persons during the French revolution. There are no fewer than 3,000,000 books in this library and the collection is constantly growing.

One of the most interesting libraries is the Bodleian at Oxford. It takes its name from its founder, Sir Thomas Bodley, who founded it in 1598, and since that time all lovers of Oxford have added to it. Besides 400,000 books there are manuscripts almost priceless and many rare works.

Berlin's royal library is one of the celebrated collections of the world. It has over 1,000,000 books and 30,000 manuscripts. The building is close to the imperial palace and the Germans, who are a book-loving people, make liberal use of it.

The oldest library now existing is that of the Vatican, and it probably contains more literary treasures than any other. It belongs always to the reigning pope and only he can give permission to enter. Though there are only 225,000 volumes, they are the rarest in the world. The Vatican library has the only known copy of the new testament written before the end of the fourth century; the original Dante, the oldest existing copy of Virgil and a Terence which goes back to the fourth century.—*Selected.*

## Greek Play at Albion.

Another Greek play is to be given at Albion College, Tuesday evening, April 17. One of the most popular of ancient plays has been selected, the "Iphigenia Among the Taurians," by Euripides. Greek costumes and scenery, and music especially composed for this production, will make this an event of great interest to all interested in ancient drama.

# THE M. A. C. RECORD.

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## Michigan Oratorical League.

(NOTE.—For the information of our students we publish the amended constitution and by-laws of the Michigan Oratorical League. The contest for this year will take place May 4th at Kalamazoo.)

### ARTICLE I.—NAME.

SECTION 1. This organization shall be known as the Michigan Oratorical League. The membership shall consist of the following colleges: Albion, Hillsdale, Hope, Kalamazoo, Michigan Agricultural, Michigan Normal, Olivet. Other colleges may be admitted by two-thirds of the votes cast at an annual convention.

### ARTICLE II.—OBJECT.

SECTION 1. The object of this league shall be to elevate the standard of oratory by holding annual contests.

SEC. 2. Only *bona fide* students of the several colleges carrying at least two-thirds of the required amount of work at the time of the league contest, and not having received any academic degree, shall be admitted as competitors.

SEC. 3. The annual contests of this league shall be held the first Friday in May of each year, at the colleges in the following order: Albion, Hillsdale, Hope, Kalamazoo, Agricultural, Normal, Olivet.

SEC. 4. Orators shall appear on the program in rotation; the orator representing the institution where the contest is held appearing first.

### ARTICLE III.—OFFICERS.

SECTION 1. The officers of this league shall be chosen, one by each of the colleges, and shall consist of a president, secretary, treasurer, and first, second, third and fourth vice-presidents, one from each college not represented by another officer. These officers shall constitute the executive committee of the league. The offices of this league shall be held by rotation, and the treasurer shall be chosen from the college where the league contest shall be held.

### ARTICLE IV.—DUTIES OF OFFICERS.

SECTION 1. It shall be the duty of the president to preside at all meetings, and he shall call a special meeting at the written request of not less than four colleges, giving at least thirty days' notice of such meeting to each college. It shall further be his duty, three months before the annual contest, to nomi-

nate judges for said contest, and to submit their names to each college of the league.

SEC. 2. The secretary shall perform the duties usual to that office, and such other duties as the league shall require.

SEC. 3. The treasurer shall keep the accounts of the league, pay all bills audited and allowed by the executive committee and dispose of all funds subject to the order of the league. He shall be required to deposit with the president a bond of three hundred (300) dollars.

SEC. 4. The duties of the executive committee shall be as follows:

(1) To audit the accounts of the treasurer.

(2) To make all necessary arrangements for the contests, and transact other business not herein provided for.

SEC. 5. The secretary of the league, at least three weeks before the contest, shall forward a copy of each oration to each of the judges on thought and composition. These judges shall read and grade such orations, and shall send their respective markings sealed to the secretary of the league, who shall preserve them thus sealed until the conclusion of the contest. But neither the author of any oration nor the institution represented shall be known to the judges.

SEC. 6. In case the orator, who is to represent any college, shall withdraw after the orations have been sent to the judges, such college may send an alternate orator, whose markings shall not be considered in competition for any prize.

### ARTICLE V.—JUDGES.

SECTION 1. No resident of the city in which any college is located, no relative of any contestant, no alumnus of any college participating, no person who holds or has held any official connection with any of the contesting colleges, shall sit as judge in a contest.

SEC. 2. Any judge shall be removed upon the protest of any college within fifteen days after the list of nominations is received. Such protest shall be made in writing.

SEC. 3. The judges selected shall be six, three of whom shall judge the orations on thought and composition; the other judges shall attend the contest and judge on delivery. One alternate shall be selected, who shall act as judge provided any regular judge fails to appear. The grades shall be made without consultation, on the scale of 100.

SEC. 4. At the close of the contest the president and secretary shall take the grades of all the judges for each contestant. The orations shall be ranked 1, 2, 3, etc., the orator having the highest grade shall be ranked one, the orator having the next highest grade two, etc. The total number of ranks shall be added and the oration whose grand total is smallest shall be declared first, the next second, etc. In case of tie that orator of the two tied who has the highest total percentage shall be declared first of the two. If, however, any oration shall receive a majority of first ranks, it shall be declared first, irrespective of its total rank, and the remaining orations shall be ranked second, third, etc., according to their grand totals, as heretofore provided for.

### ARTICLE VI.—CONTESTANTS AND ORATIONS.

SECTION 1. In the contests of this league no oration shall contain

more than eighteen hundred (1,800) words, and it shall be the duty of the secretary to construe this article strictly and to return any oration exceeding the above limit to committeeman of the college from which such oration was sent, and such oration shall be debarred.

SEC. 2. Any outline, synopsis, or explanation attached to an oration shall be considered and counted as a part thereof.

SEC. 3. The several contestants shall send twenty-five (25) printed copies of their orations to the secretary of this league, so that they shall reach him at least three weeks before the contest. One copy shall be kept on file by the secretary; one copy shall be sent to each of the judges on thought and composition as directed in Article IV, Section 5, of this constitution. The remaining copies shall at the same time be distributed by the secretary of the league to the committeemen of the various colleges in sufficient numbers so that each college of the league may receive a copy of all the league orations.

SEC. 4. The orations for the league contest shall be printed by the colleges of which their authors are the representatives, according to the following uniform standard: They shall be set in brevier type, the body of each page being four (4) inches wide and six (6) inches long, with a margin one and one-half (1½) inches in width. Fifteen copies of the oration shall contain the name and college of the author, and ten copies shall appear without the name and college of the author.

SEC. 5. Twenty-four (24) pound folio writing paper shall be used in printing the orations.

### ARTICLE VII.—THE ANNUAL CONVENTION.

SECTION 1. The annual convention shall meet at 1 o'clock in the afternoon of the day on which the contest is held, and shall meet from time to time till its business shall be completed.

SEC. 2. Each college of the league shall be entitled to one vote in the annual convention.

SEC. 3. No delegate shall be entitled to a seat in the convention whose credentials shall not have been signed by the president of his college.

### ARTICLE VIII.

SECTION 1. Any college in this league failing to take part in any annual contest without furnishing a satisfactory excuse, shall be excluded from the league.

### ARTICLE IX.

SECTION 1. The names of the orators engaged in the contest and copies of their orations; also the names and markings of the judges, shall be kept on record by the secretary.

### ARTICLE X.—EXPENSES.

SECTION 1. The league shall pay all necessary expenses connected with the contest, and all necessary expenses of judges, the president, secretary and treasurer, and the vice-president when acting as president.

SEC. 2. Such an admittance fee to the oratorical contest shall be charged as the treasurer of the league shall deem proper.

SEC. 3. As a testimonial of success in contests of this league there shall be awarded to the person receiving first honors a gold medal of

such value as the executive committee shall determine.

SEC. 4. The college where the contest is held shall be responsible for twenty-five (25) per cent. of any net loss in conducting the contest, and shall be allowed twenty-five (25) per cent. of the net profits resulting from the contest. If there are not enough funds in the treasury of the association to pay the remaining seventy-five per cent. of loss above mentioned, the other colleges shall be assessed equally a sum sufficient to meet the deficit.

SEC. 5. All local arrangements for contests of the league shall be left to the college where the contest is held.

SEC. 6. No college shall be allowed representation in any contest unless all assessments against such college shall have been paid.

### ARTICLE XI.

SECTION 1. This constitution may be amended at any annual meeting of the league by a two-thirds vote.

SEC. 2. The parliamentary authority shall be Roberts' Rules of Order.

SEC. 3. This constitution shall go into effect as soon as it shall have been ratified by five of the colleges named in Article I, Section 1.

### BY-LAWS.

ARTICLE 1. The executive committee shall have power to levy a tax upon each college to meet a temporary deficit, such tax shall not exceed ten (10) dollars.

ART. 2. The archives for the permanent preservation of the constitution, by-laws, books, papers, etc., of the Michigan Oratorical League shall be at the Michigan Agricultural College, and under the supervision of the professor of English at the M. A. C.

ART. 3. It shall be the duty of the secretary to procure a set of Fulton and Trueblood's grade cards, and use them in procuring the markings of the judges.

It was resolved that when a college refuses to hold a contest in its turn such college shall forfeit its right to hold the offices of treasurer, secretary, and president in turn.

According to this resolution, Hillsdale, in 1900, elects the president, Hope the secretary, and Kalamazoo the treasurer.

## Rosa Bonheur Dead.

This famous old cow, for years the pride and pet of the Farm Department, was destroyed on Thursday morning last. An increasing inability to use her limbs had rendered her helpless for some time. It was with great reluctance that the order for her destruction was given, but in view of the fact that no hope of ultimate recovery was entertained it was thought best to end her suffering.

A post-mortem showed that the articulating surfaces of her limb joints had undergone a species of *necrosis*, rendering their movement extremely difficult and painful.

At her death Rosa held the world's record for milk production for one week, viz.: 723.75 lbs. In one day she gave 106.75 lbs. of milk which made 3.75 lbs. of butter. In 30 days she gave 2989.5 lbs. of milk with a butter yield of 95.85 lbs.

J. J. F.

**At College.**

Marguerite Barrows has a new bicycle.

The local field day exercises will be held April 28.

Pres. Thos. F. Marston was at the College last Thursday.

O. D. Dales, '03, is quite sick with inflammation of the bowels.

Miss Barnes, secretary of the Y. W. C. A. spent Sunday at Abbot Hall.

The Union Literary Society contemplates extensive improvements in its building this term.

Prof. Smith passed the night of the 6th inst. at the home of Channing Beebe at Tipton.

Prof. Holdsworth last Friday received 20 plaster casts from Boston for the drawing department.

L. B. Littell, '01m, who was out several weeks last term on account of sickness, is back at College.

The Columbian Literary Society should have been improved by the addition of some up-to-date furniture.

H. S. Kneeland, '02m, and R. M. Norton, '01m, have been prevented from returning to College by sickness.

A large carbon photograph, green tinted, a view of the English coast, is another new art treasure at Abbot Hall.

Mr. Baker and Mr. Bradford who were both quite sick during the vacation have taken up their work as usual this term.

On Saturday afternoon Prof. and Mrs. Towar and Misses Keller, Gaylord and Crowe visited the sugar bush at the Whitmore farm.

C. P. Reed, '01, last Friday and Saturday entertained his sister Miss Julia Reed and cousin Miss Jennie Topping, both from Howell, Mich.

The special course in beet sugar are from the outside. They are F. F. Hargrave, James Dooley and Ira H. McKinney.

The following birds are now plentiful on the campus,—robins, black birds, song sparrows, meadow larks, phoebes and cedar birds. Blue jays and chickadees are nesting.

Two casts have been received recently at Abbot Hall. One is a profile of Washington at the age of forty after Stewart's painting; the other is a panel of the Apollo Aurora.

E. R. Bennett, '02, received a visit last Friday from a friend, J. A. Snyder, of Adrian, Mich. Mr. Snyder was in Lansing for the purpose of taking the civil service examination held last week.

"The New York Plum Lecanium," a thesis for the Master of Science degree, by Victor H. Lowe, has just been received for the alumni library. Mr. Lowe took his master's degree here about two years ago.

The following officers have been elected by the M. A. C. Art Club: President, S. J. Kennedy; vice-president, Irma G. Thompson; secretary, Frances Farrand; treasurer, Mary S. Knaggs. The club will meet once a week, and several sketching excursions are being planned.

There was an extremely small attendance at the mass meeting called several days ago to consider the matter of the care of the bicycle path to Lansing. It is important that the path be dressed and put into good condition before the cycling season opens, and those interested should not put this matter off too long.

The Board of the M. A. C. Oratorical Association of 1900 have discovered from the records of the Association, that there has been an error in recording the number of annual contests.

In the record of the Association, there had been no entry for the first and sixth contests held, but the accounts of such contests were found in the Speculum. Therefore, the last contest held would be the thirteenth and not the eleventh as was stated on the programmes of this year.

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**News from Graduates and Former Students.**

L. A. Bregger, '88, of Chicago, will be here at the triennial.

Charles I. Goodwin, '77, is register of deeds of Ionia county, Ionia, Mich.

Fred M. Elliott, with '69, is a plumber and tinsmith at Harbor Springs, Mich.

Garrie J. Dunn, with '81, is a dealer in general merchandise at Jones, Mich.

Lewis C. Smith, with '99, is a bookkeeper for Frank Buell, lumberman, at Gaylord, Mich.

Alta M. Lawson, with '03, is employed in Sprague's Law School, 1327 Majestic Building, Detroit.

Willis E. Finch, with '97m, is foreman in the machine room for the Stimpson Computing Scale Company of Elkhart, Ind.

Charles H. Chadsey, with '00m, is a pattern-maker for the Michigan Iron Works. Address 116 Mt. Vernon St. w., Grand Rapids, Mich.

William O. Fritz, '77, is district agent for the Union Central Life Insurance Company of Cincinnati, O. Address, 331 State St., West, La Fayette, Ind.

John B. Leonard, with '85, is first assistant draughtsman in the Bridge Department of the Southern Pacific R'y. Address 4th and Townsend Streets, San Francisco, Cal.

William C. Latta, '77, is Professor of Agriculture, Agriculturist in the Experiment Station and Superintendent of Farmer's Institutes, Purdue University, La Fayette, Ind.

Malcolm F. Loomis, with '94m, who was assistant observer in the weather bureau at Lansing is now designer in the automobile department with Olds Motor Works of Detroit, Mich.

A. F. Hughes, '96, writes that he is in charge of the department of horticulture in the South Lancaster Academy, So. Lancaster, Mass., where he is "striving to put into practice some of the things I learned while at M. A. C."

Edwin J. Freeman, '92, who is professor of chemistry at the Northern Institute of Osteopathy, was the first to develop the X-ray west of Chicago, and is said to be the best X-ray expert in Minnesota. Address 1818 Nicollet ave., Minneapolis, Minn.

Arthur W. Carl, with '79, who was formerly manager of Central Minnesota and South Dakota for the Geiser Manufacturing Co., is now in business for himself as dealer in threshing machines, engines and threshers' supplies at Ortonville, Minn. Firm, Lindquist & Carl.

Charles F. Baker, '91, formerly field biologist engaged in surveying South Western Colorado, under the direction of Dr. E. L. Greene of the Catholic University of Washington, has, since September, 1899, been teaching biology in the St. Louis Normal and in the high school at St. Louis, Mo.

H. F. ("Barney") Hall, '90m, who was assistant road foreman of engines for the Pa. R. R. Co. Amboy Division, in December, 1899, accepted the position of assistant superintendent of the Allegheny plant of the Pressed Steel Car Co. He has recently been promoted to

the position of master mechanic of the McKee's Rocks plant of the same company.

Jason Stebbins, with '91, after leaving M. A. C. in '88, worked his father's farm until 1893, when he went to Chicago and served as a Columbian Guard during the exposition. After taking a course in architecture he worked as draughtsman until 1896. He then entered the employ of the Prudential Life Insurance Co. and subsequently served as assistant superintendent until December last, when he resigned his position to become a farmer at Hawkeye, Missouri.

The *Armada Graphic* has the following regarding C. A. Jewell, '96: Prof. and Mrs. Jewell will attend the district high school oratorical contest at Port Huron this evening. They will be the guests of Presiding Elder Baldwin while there. \* \* \* A very pleasant reception was attended by the junior and senior classes of the high school at the residence of Prof. and Mrs. Jewell on Thursday evening. There were about 30 guests and the program as arranged was carried out with music and lunch interspersed. \* \* \* The present corps of school teachers has been engaged for another year at an increase of salary, which was entirely voluntary on the part of the board of trustees.

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DEALER IN DIAMONDS, WATCHES, JEWELRY, Clocks, Silverware, Art Goods. 121 Washington Ave. N., LANSING, MICH.

**Employees of M. A. C.**

Desiring to build should not purchase their material before consulting with

**Hiram Rikerd, Lansing, Mich.**

Lumber of all kinds. Interior Finishing a specialty.

PRICES RIGHT.

Office and Factory, Mill St. Both Phones.

**Davis Clothing Co.**

103 Washington Ave. S.

COME ON BOYS—

We have all the latest up-to-date styles and patterns in

**CLOTHING, FURNISHING GOODS AND HATS.**

We also keep Sweaters, Supporters, Foot Ball Pants and Jackets.

We are glad to see the old men back and will be pleased to have the new men call. Make our store your headquarters while down town, it is a handy place to leave your packages. WE ARE ONE PRICE.

WE SELL FOR CASH ONLY.

**DAVIS CLOTHING CO.**

**BICYCLE and ELECTRICAL SUPPLIES.**

Also, the largest Repair Shop in Lansing fully equipped with power machinery.

We pay all transportation on wheels to and from College when repairs amount to one dollar or more.

Capitol Electric Engineering Co.

321 Washington Ave. S.

**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.**

J. H. WOOD—Barber. 106 Michigan Avenue E. College work especially solicited.

**BOOKS AND STATIONERY.**

LANSING BOOK AND PAPER CO. Waterman and Sterling Fountain Pens, Stationery, Pictures, Frames, Wall Paper. 120 Wash. Ave. N.

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

**BOOTS AND SHOES.**

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

**BICYCLES.**

GEO. H. RICHMOND. Pierce Cycles. Full line of sundries. Repairing and renting at reasonable rates. 200 N. Washington Ave.

**CLOTHING.**

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

A. E. DAVIS.—Clothing and Gentlemen's Furnishings. See ad.

**CROCKERY AND GLASSWARE.**

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

**DENTISTS.**

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

D. R. DAWLEY, M. D., D. D. S. Office over Postal Telegraph Co., Michigan and Washington aves.

D. E. PARMELEE—Dentist. 218 Washington Ave. south. Opposite Hudson House.

**DEPARTMENT STORE.**

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

**DRUGGISTS.**

ALSDORF & SON—The Druggists. Two stores, 102 Washington Ave. N. 335 Washington Ave. S. See ad.

C. J. ROUSER—Capital Drug Store. 123 Washington Avenue South.

**ALL MEATS...**

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

We make daily trips to the College.

BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTER.

Washington Ave. South.

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

**FURNISHING GOODS.**

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**FURNITURE DEALERS.**

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

**GROCERS.**

R. B. SHANK & CO., 200 Washington Ave. S. The leading grocers. Both phones. Daily delivery to the college.

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M. A. C. STUDENTS—Don't forget W. H. PORTER, the Hack and Liveryman. Rubber tires a specialty. 300 Capitol Ave. S. Both Phones.

**HARDWARE, STOVES AND TINWARE.**

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B. P. RICHMOND—Watchmaker, Jeweler and Engraver. 200-202 Washington Avenue N.

**LAUNDRIES.**

THE VAN GORDER PALACE LAUNDRY, College agents, C. H. Hilton, 97 Wells; Irving Gingrich, 47 Williams. S. P. Lantz, Prop.

**LUMBER DEALERS.**

H. W. RIKERD.—Lumber Dealer. Mill Street. See ad.

**MERCHANT TAILORS.**

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

JOHN HERRMANN'S SONS. Fine Tailoring. 218 Washington Avenue N.

**OCULISTS.**

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M. City National Bank Building, Lansing.

**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.

D. R. J. M. COLLIER.—123 Washington Ave. south. Office over Capital Drug Store. Residence 310 Seymour St.

**RESTAURANTS.**

GILBERT M. HASTY.—Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. Quiet place for ladies. 113 Wash. Ave. S.