

# The M. A. C. Record.

Vol. 5.

LANSING, MICHIGAN, TUESDAY, MAY 15, 1900.

No. 34

## To the Graduate Alumni, and Old Students of M. A. C.

Please take down your calendar and make a blue pencil mark around the date "June 14," for this is *Alumni Day* for the regular triennial reunion of 1900.

Begin now to plan to put in that day on the old familiar campus and let not the usual routine of your daily life interfere with your coming.

Thursday in commencement week has been selected because it permits attendance at the society reunions, alumni and commencement exercises with the least expenditure of time.

The general order for commencement week is as follows:

Sunday, 8 p. m., Baccalaureate sermon by Rev. Nehemiah Boynton, of Detroit.

Wednesday, Class day exercises; battalion review, 3 p. m.; society reunions, 8 p. m.

Thursday, Alumni Day.

Friday, Commencement Day. Graduation exercises. Address by Booker T. Washington, of Tuskegee, Ala.

The scheme of exercises for Alumni day provides for:

First business meeting, 8:30 A. M.

Literary exercises, 10:30 A. M.

Class reunions, 1 P. M.

Second business meeting, 3 P. M.

Reception to the Alumni by the Board of Agriculture and their wives, followed by a banquet, 5:30 P. M.

President Snyder's reception to Alumni and guests, 8:30 P. M.

The literary program is:

Address by the president, Chas. L. Bemis, '74.

Oration, "The Value of Ambition," Wm. K. Clute, '86.

History, L. H. Baker, '93.

Poem, C. B. Waldron, '87.

Necrology, Lucy Clute Woodworth, '93.

Presentation of the bust of Pres. Edwin Willits to the College on behalf of the Delta Tau Delta Fraternity, W. S. Holdsworth, '78.

Railroad transportation at the usual reduced rate of a fare and a third, round trip, has been secured from all points in Michigan, Ohio, Indiana and Illinois, from June seventh to nineteenth. To obtain this rate pay full fare coming, and get a convention certificate from the agent. If one hundred certificates are presented the one third fare return rate will apply.

When you arrive on the grounds you will find the Alumni headquarters located in Station Terrace, directly opposite the street railway waiting room. Call there to register and receive your badge.

At a meeting of the local committee, recently held, O. C. Howe, '83, was elected secretary to fill the vacancy caused by the resignation of K. L. Butterfield, '91. Address all your correspondence relating to your coming to Mr. Howe at Lansing.

F. S. KEDZIE, '77.

A. C. BIRD, '83.

For the local committee.

"No just law harms the law-abiding."

## Booker T. Washington and His Tuskegee Industrial School.

BY MORRIS WADE, IN THE DETROIT FREE PRESS.

Since the death of Fred Douglass, Booker T. Washington has been the most prominent representative of the negro race in America, and it is unquestionably true that Booker Washington is doing a greater work for the advancement and elevation of his people than was ever done by Fred Douglass. The work of Booker Washington is eminently practical and its results are being felt all over the south. It was in 1881 that Booker T. Washington, then an almost wholly unknown

the pupils at work in brick yards, harness shops, carpentry shops, shoemaking shops, tin shops, carriage manufactories. There are painting, wheelwright and foundry departments, while truck gardening, butter making, fruit growing, laundering, housekeeping, cooking, sewing, millinery, nursing and everything pertaining to domestic science is taught to eager and willing young men and women.

It is Mr. Washington's theory that the education of the brain and hand should go forward together, and the education of the brain is not forgotten in the regular work at Tuskegee.



BOOKER T. WASHINGTON.

and very quiet and unassuming man, went to Tuskegee to open a school for colored boys and girls. He opened his school on July 4, 1881, in a frame church, with thirty pupils. From this small and modest beginning the school has grown to an institution having 100 teachers, 1,000 students, 2,267 acres of land, 37 buildings and 26 industries. It owns property valued at \$325,000, and is by far the largest and most important institution for the education of the negro in America. It has from the first been Booker Washington's theory that the salvation of the negro in the south lay along the line of industrial education, therefore it is natural that this line of education should be emphasized in his work. Every kind of manual labor is taught at the Tuskegee Institute. Every graduate must learn a trade. This is one of the unalterable conditions of the school. The visitor to the institute will find

A very prominent feature of the Tuskegee work is the farmer's conference held each year during the last week in February. This conference is the outgrowth of Mr. Washington's conviction that there are great possibilities in the negro men and women—possibilities now lying dormant because of lack of information. At these farmers' conferences the people are urged to do all that they can toward improving their homes and educating their children. \* \* \* The purpose of the farmers' conferences can be best indicated by quoting from Mr. Washington's brief address at the opening of the conference last year, when he said:

"I wish to call attention to the original purpose of these conferences. They were designed for the rank and file of the people, with the view of finding out such troubles as were within our own power to remedy. We can remedy our in-

dustrial condition, we can lengthen our school term with money and labor, we can have a higher order of religion and better morals, and we can acquire property. I hope that each one has come to get something to carry back with him. The conference will not amount to much if you consider yourself alone. You must carry into your own community the help you get here. Lay hold of something that will help you, and then use it to help someone else. We want to see evidence of the value of these meetings in every community. I hope you will all speak out. We want to know the truth whatever it may be. Do not exaggerate. If things are bad, say so; if good, say so. No one has been asked to prepare any speech. Speak simply as if at your own friends."

## Natural History Society.

Prof. Barrows spoke before the Natural History society Wednesday night on the subject, "Lynxes and Wild Cats." He exhibited a stuffed specimen of both the Canada lynx (*Lynx canadensis*), and the common wild cat, bay lynx or bob cat (*Lynx rufus*), and explained in detail how they differed and how the two species can be distinguished from each other. His talk was closed by giving a few figures concerning the bounties paid in this state on these animals as well as the number killed each year.

Mr. Barlow gave the results of some of his investigations in "Soil Bacteria." He described the action of bacteria on organic compounds in breaking them down and separating them into simple substances or their elements, as, CO<sub>2</sub>, H<sub>2</sub>S, C H<sub>4</sub>, N H<sub>3</sub>, H<sub>2</sub>O, N, and H. He then gave some figures showing the number of bacteria found in some of the soils analyzed. He said that the muck in Chandler's marsh where he took the sample was so acid that it showed very plainly on litmus down as deep as two meters.

The following officers were elected for the fall term:

D. S. Bullock, president; G. W. Gutekunst, vice-president; B. Wiemuth, secretary-treasurer; Prof. Pettit and Mr. W. T. Shaw, members of Board of Directors.

D. S. B.

## Botanical Club.

Growth has been very rapid during the past two weeks, and the list of plants in bloom presented by Prof. Wheeler last week was the largest that has been secured in an equal time for several years. He also brought an interesting note on why squirrels delight in biting off the tips of oak branches. They eat the staminate flowers and the biting off is simply a matter of convenience.

Following this Dr. Beal entertained the club by exhibiting a part of a large collection of slides under the compound microscope.

R. L. B.

A man is best known by what he does when he thinks nobody is looking at him.

## THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE  
MICHIGAN AGRICULTURAL COLLEGE.

EDITED BY THE FACULTY,

ASSISTED BY THE STUDENTS.

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For various reasons THE M. A. C. RECORD is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

### Huntsville as a Nursery Center.

Quite a large number of fruit trees planted in the northern states at the present time are grown in some of the southern nurseries. These nurseries do a jobbing trade mostly, selling to nurserymen throughout the United States. One of the largest nursery centers of the South is Huntsville, Alabama.

American and Chickasaw plums, sour cherries, peaches and pears, are the leading kinds of fruit trees grown. The cherries propagated are mostly of the hardier varieties and are shipped largely to Iowa and other states of the northwest as are also the American and Chickasaw plums. Japan varieties of plums are grown to some extent but no European kinds are propagated. The latter do not hold their foliage well throughout the long summer season and the wood does not mature properly. Plums are all grown on Marianna stocks propagated by means of cuttings. These cuttings are taken in the fall from stocks containing dormant buds. In late fall or early winter they are put out in nursery rows and the following summer are ready for budding.

Very little trouble is experienced in this section from attacks of insect pests and fungous diseases. This may be in a measure due to the fact that there are but few orchards in the vicinity of Huntsville to attract insects and disseminate diseases. Although many kinds of nursery stock grow to perfection here, conditions are not favorable for fruit growing. Mr. Heikes, manager of the Huntsville Nurseries, has experimented largely with many kinds of fruits upon their trial grounds but with very unsatisfactory results. Late spring frosts are one cause of failure and the lack of lime in the soil may have much to do with trees not fruiting well.

Most of the nurseries of this section are within four or five miles of Huntsville, but the Huntsville Nurseries are some twelve miles distant from the city. The latter cover an area of 1,000 acres upon a sort of table-land 500 feet above Huntsville and 1,600 feet above sea level. Of the 1,000 acres in the nursery grounds, 600 are now actually planted with trees and cuttings, while the remaining 400 are in process of renovation preparatory to again planting with trees. Two crops of trees are raised on the ground, then about two years are devoted to bringing the land back

into condition for replanting, by use of cow peas, rye, and commercial fertilizers. The soil is a red clay with a slight admixture of sand.

An immense brick storage and packing cellar is located near the center of the plantation, and adjoining is a large shop where lumber is stored and tree boxes built as needed. Near by is a store owned and run by Jesse S. Moss, proprietor of the nurseries. This store supplies the employees and their families with provisions and clothing. A short distance from this group of buildings stands the foreman's house surrounded by ornamental shrubs and trees both deciduous and evergreen. Among the deciduous trees is a fine specimen of the very rare shittim tree which is indigenous to this section. About the borders of this immense plantation are scattered the cabins where the negroes employed in the nursery live.

About 50 negroes and 16 teams of mules are kept on the grounds throughout the entire year and during the busiest times the number of men and mules is considerably increased. A few white men are employed as foremen, and under these the negroes work much more willingly than under foremen of their own race. The digging and shipping season commences the latter part of September and continues without interruption until March, with the exception perhaps of four or five weeks in the middle of winter when it is apt to become too cold to expose the roots of the trees in digging. S. H. FULTON, '98.

### A Study in Description.

Mrs. Clancey was dying; the bald headed doctor had been to her home and had told her so. The room in which she lay was bare and dingy. A green shade flapped in the draught of the half open window and the sun shone in and made a diagonal streak across the floor. There was no sound save the heavy breathing of Mrs. Clancey; the diagonal streak made no noise as it wavered backward and forward.

Just as the streak had stretched itself as far as it could and was quivering like a piece of hot iron, Mrs. Clancey raised her head. Her vacant eyes stared at the streak and her disheveled hair hid her pale cheeks. Her bony hands moved restlessly over the tattered quilt which covered her shrunken form; her withered lips moved, but they made no noise; she sank back on her pillow exhausted; her eyes closed and she was motionless.

A robin warbled from the top of a scrub oak just outside the window. A bumble bee hummed lazily around a flower which grew near, and there was a strong odor of syringa and lilac blossoms in the air. A hawk swung in circles overhead and huge fleecy clouds floated near the horizon.

\* \* \* \* \*

The same breeze that had once flapped the green curtain in the half open window, now made the tall weeds sway back and forth in the lonely cemetery on the hillside. Whenever the wind separated a bunch of the large pig weeds in the farther corner, there was a gleam of something white. It was an old tumbled-down tomb-stone which bore the inscription: Helen Clancey, Beloved Wife of Henry Clancey; Born November 12, 1853; Died June 13, 1883.

STUDENT.

### Rural Wealth and Welfare.

By Geo. T. Fairchild, LL. D.—Rural Science Series; edited by L. H. Bailey; the Macmillan Company.

The many friends of Prof. Fairchild will welcome this timely volume by one who for so many years was an honored professor in this College, and who still holds a warm place in their affections.

The world has had a fair supply of works on political economy, but the subject has been discussed from the standpoint of the manufacturer, the banker and the landlord. The questions of production, distribution, and consumption of wealth have been handled by some writers in such pessimistic vein as to have given to political economy the popular name "The Dismal Science." In these writings, the greatest of all producers, the agricultural class, have been ignored, or only counted as pawns upon the chess board of the world's affairs. But here is a book that takes up the discussion of wealth from the primal basis of the world's production—the soil. The relation of the agricultural class to the creation of wealth is discussed by a strong thinker and clear writer, and here for the first time the farmer appears as a central figure in the world's industries in economic discussions.

Farmers, as a class, have little respect for political economy, it being associated in their minds with "politics," but here is a work as far removed from mere politics as it is in close touch with economic truth.

The book is most timely and should be read by every progressive farmer. It is especially fitted as a text-book on AGRICULTURAL ECONOMICS in every Agricultural College in our land. R. C. K.

### M. A. C. Musicales.

There was a large attendance at the musicale last Friday evening. It proved to be very enjoyable.

The opening number was given by the M. A. C. chorus with a duet by Miss Newman and Mr. Ball. The piano solos given by the pupils of the music department, the Misses Goodrich, Deyarmond, Webster, Nolan and Hudson, were all well rendered and showed careful training as well as conscientious practice on the part of the pupils. Two numbers were given by Mrs. Marshall, and that they were well appreciated was shown by the enthusiastic applause that followed.

Mr. Nagelvoort is a welcome addition to any program and his trombone solo was vigorously encored. The program was varied by readings by Mr. King. Only two selections were announced, but the well pleased audience persuaded him to give five.

The closing number "Good Night," by the M. A. C. chorus, was very appropriate and well given. Mrs. Marshall is evidently trying to raise the musical standard at M. A. C. and is certainly meeting with success. H. B. W.

### At Liberty.

The embargo on the men in Harrison Hall was removed on Tuesday morning. Fortunately none of the men developed anything more serious than a mild attack of homesickness with slight complications of sunburn. Monday evening the "Ten" signaled their happy de-

liverance by doing good execution to a bountiful In Memoriam banquet. It was deemed unwise to risk infection so that no outside invitations were issued. Friends will kindly accept this explanation.

At the last mess of Co. Q, a resolution was vigorously carried expressing the grateful thanks of the company to all those who had in so many ways assisted in lightening the burden of exile. The health of the ladies who had so nobly come to the front with *creature comforts* and *first aid* was heartily drunk. We trust they will accept this expression of warm appreciation.

### Beet Sugar Course.

Two weeks more and the Beet Sugar Course will be at an end.

The course consists of laboratory work six hours a day and lectures one hour. Prof. Wheeler lectures from the botanical side of the question, giving the various diseases that infect sugar beets and spending a great deal of time in making germination tests of different varieties of seed. Prof. Towar lectures on the soil, fertilizers, etc., best adapted for the growth of beets.

The laboratory work is under the direction of Prof. F. S. Kedzie, Mr. A. N. Clark and H. S. Reed. The two latter have had actual experience in the factory and so are able to do away with all useless theory.

The work consists of beet testing, the determination of marc, tare, purity, and in the analysis of coke, coal, water, limestone, and in fact everything that is used around the factory. There are nine men taking the course, Messrs. Hargraves, Dooley and McKinney, from Bay City, Mr. Bain of Lansing, and five students. J. B. W.

### The Others.

The *Oberlin Review* suggests that the students gather together more frequently "as a student body." "Graduates from the eastern colleges say that among the events which linger longest in their minds, are the weekly assemblages for song on the chapel steps."

The *Albion College Pleiad* believes that "College oratory is in a sorry plight." "May we not, in the coming 'horn contest,' have at least one participant who will embrace the opportunity to advance some rugged thought, wrought out from his own brain?"

The "critic" in the *Student Record*, University of Nevada, is after those members of the Athletic union who do not train faithfully.

The *Wisconsin Aegis* says "How perverse we are! Or is it perversity? We are all aware of a very evident disinclination to do things which are in any way compulsory, or which savor at all of class-room work.

"This is especially marked in the matter of outside reading. There is a quality in our natures which makes history peculiarly interesting when we ought to be studying science, and which makes an evening with Kipling doubly fascinating when our eight o'clocks are not prepared."

The Eclectic Society held its term hop Saturday evening. Refreshments were served in Club B. A good number were in attendance and everybody appeared to enjoy it immensely. S. W. McClure furnished the music.

H. S. K.

**At the College.**

A picnic party of students spent Saturday at Park Lake.

Robert Holdsworth is convalescing from a mild attack of scarletina.

Mrs. Chace Newman went to Portland Saturday for a two weeks' visit.

L. W. Greene, with '02m, paid the College a visit one day last week.

F. W. Dodge, '00m, is suffering from a severe attack of typhoid fever.

Rev. E. B. Allen will conduct the chapel exercises next Sunday morning.

A. D. Burdick, '04m, has left College to accept a position in Grand Rapids.

Prof. Babcock was called to Carleton, Monroe county, last week to attend the funeral of his sister.

Last week Prof. Smith spoke at the meeting of the Ingham County Pomona Grange at Fitchburg. He reports an enthusiastic meeting.

R. H. Pettit, Station Entomologist, went to Benton Harbor last Friday, to make a study of insects which are attacking the peach blossoms.

Mrs. W. O. Beal lost her watch last week somewhere between Dr. Beal's and Collegeville. She will be very grateful to the finder if it is returned.

The lecture on Alaska, by Leon J. Cole, with '98, of the U. of M., which was to have been given next Friday evening, has been postponed for the present.

There are no new cases of scarlet fever. Those who have been sick have recovered, but will be kept in quarantine a few days longer to guard against any chance for further spread.

The musical last Friday evening given by Mrs. Marshall and her pupils, assisted by Messrs. King and Nagelvoort was a very enjoyable entertainment, and thoroughly appreciated by those present.

The King's Daughters will meet Wednesday afternoon with Mrs. Krentel. Lesson from 4th chapter of John; text word "Worship"; leader, Mrs. W. O. Beal. All who desire to give something to relieve the suffering in India will have an opportunity to do so at this meeting.

Dr. Kedzie and Prof. Smith are at Washington, D. C., this week, attending a meeting of the Industrial Commission. They address the Commission on Sugar Beets; Dr. Kedzie on the chemistry; Prof. Smith on the agricultural aspect of the question. This Commission is one that has been established by the government.

Prof. J. D. Towar was at Dryden, Almont, Utica and Ypsilanti, last week, installing experiments. At Dryden the work is being carried on upon the farm of L. B. Walton, with '84, and at Ypsilanti on the farm of G. C. Lawrence, '85. He also met J. Y. Clark, '85, at Orion, and R. W. Hemphill, '85, at Ypsilanti. Lawrence, Clark and Hemphill expect to attend the alumni reunion.

Saturday evening, May 12th, the members of the Union Literary Society entertained the members of the faculty at their literary meeting

with the following program: Meeting called to order by Pres. C. H. Hilton; essay, "Pleasures of College Life", N. A. McCune; essay, "The Farm as a Home", H. D. Hahn; oration, "The High School an End in Itself", G. D. White; story "A Bicycle Trip", Ray Tower. Critics' report, Paul Thayer.

**Mechanical Notes.**

The men in the wood shop have commenced work on the patterns for the new crane and for the 16 inch engine lathe recently designed by the seniors.

Mr. Baker expects to get the base for the shaper into the next heat in the foundry. The cores have already been made.

The seniors having the gas engine work for theses are ready for their first complete tests.

H. S. K.

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News from Graduates and Former Students.

R. A. Clark, '76, will return for the Triennial in June.

James S. Mitchell, '95, is a farmer at Holly, Mich.

Harrie R. Parish, '95m, is a hull draughtsman at Baltimore, Md.

Frank P. Shumway, with '79, is a physician at Williamston, Mich.

Charles P. Smith, with '90, is a farmer and dealer in farm produce at Glendora, Mich.

John C. Sesser, '93m, is assistant civil engineer, of the Iowa Division, with the Chicago & Northwestern R. R., Boone, Iowa.

Howard M. Holmes, '81, is assistant city editor of the Detroit Evening News. Address, 532 Second avenue, Detroit, Mich.

Guy H. Frace, '95, who graduated at the Detroit College of Medicine in 1898 is a physician and surgeon at 123 Porter Block, Grand Rapids, Mich.

Edward C. Spaulding, with '81, is a manufacturer and an attorney with the Commercial Credit Company, Widdicomb Bldg., Grand Rapids, Mich.

Lincoln A. Spencer, with '81, who has been a banker and a real estate dealer, is now a deputy sheriff of Fresno county, and capitalist, Oakland, Cal.

W. A. Cannon, with '91, graduate of Leland Stanford University, has just secured a fellowship in Columbia University where he will specialize in botany.

Arthur F. Kinnan, '83, is a principal examiner in the U. S. Patent office at Washington, D. C. Mr. Kinnan received the degree of Master of Patent Laws from Columbian University, in 1899.

Henry O. Severance, with '95, who received A. M. from the University of Michigan in 1899, is an assistant in the general library at that institution. Address, 509 S. Fifth St., Ann Arbor, Mich.

Frank P. Normington, '95, who was a traveling salesman for the Home Library Company and Supply Association of Boston, Mass., is now a farmer at Ionia, Mich., giving special attention to the growing of apples and the raising of Shropshire sheep.

Special Notice to the Delts.

It is especially desired that all members of the Iota chapter of the Delta Tau Delta Fraternity be present at this triennial, as the Willits memorial bust that has been modeled for the chapter by B. K. Canfield, '89, will be presented to the College on this occasion.

W. S. HOLDSWORTH, '78.

Coryell's Fountain.

There appeared in the Detroit Journal of May 11, a sketch drawn from the plans of Supt. R. J. Coryell, '84, of the proposed large electric fountain which is to be constructed in Washington Boulevard Park, Detroit. The basin will be 40 feet in diameter. Mr. Coryell has so planned the structure that the water will play in the winter as well as summer. The water will be frozen into hollow pyramids of ice, under which the jets of water

will be seen playing, illuminated by electricity through colored bulbs.

J. B. W.

Athletic Notes.

Alma's ball team came down last Saturday and M. A. C. took them in by a score of 11 to 6. The visitors went to pieces in the first inning and made error after error, but during the rest of the game steadied down to good play. At the seventh inning things began to look interesting, as the score stood 7 to 5. M. A. C. played a good steady game and batted better than usual.

At a mass meeting held in the chapel on Friday afternoon at 5 o'clock, over \$70 was raised, with subscription papers to be circulated to those not present. More enthusiasm is being aroused for athletics and the outlook is far more favorable from a financial standpoint as well as in athletic achievement.

The track team is rounding out in good promising form, and is ready for the final three weeks of finishing up.

M. A. C. played at Kalamazoo on Monday of this week, while this is in press, and the result will be announced next week. We play at Ypsilanti next Saturday, and Hillsdale here on next Monday. Both of these games are intercollegiate, and the outcome is eagerly watched.

C. O. B.

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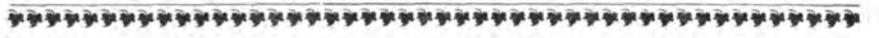
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The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

BARBERS.

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.

DONSERAUX'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.

DRY GOODS.

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

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.

GROCERS.

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

HACK AND BAGGAGE LINES.

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.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Graniteware, Cutlery, etc. 111 Washington Ave. South. See ad.

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., (Incorporated) 108 Mich. Ave. West. All kinds of the best insurance. Strongest agency in city.

JEWELERS.

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.