

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 14.

LANSING, MICHIGAN, TUESDAY, MARCH 9, 1909.

No. 23.

STATE ORATION CONTEST.

The annual oration contest between the nine colleges of the state took place at Kalamazoo on Friday, March 5th. In this contest the Agricultural College was represented by Miss Shirley May Gardner and C. J. Oviatt.

The ladies' contest was held in the afternoon, and was won by the representative of Hillsdale College with an oration entitled "The Octopus of Greed." That judges may differ is indicated by the fact that the representatives of our faculty, who were present, placed this oration next to the last, our own contestant being disregarded by them in making up their conclusion.

The women's contest was so great a success that its continuation becomes assured by this year's event. Miss Gardner's oration was spoken of as "brilliant" by one of the Kalamazoo papers. She certainly was a worthy representative of our college.

Considering the fact that six weeks before the contest she had not thought of the title of her oration, not knowing that she was to contest, her performance was little short of wonderful.

The men's contest in the evening was magnificent. The audience numbered 2,000. The display of college spirit in yells, songs, cheers, and unanimous support was almost unequalled. Without doubt the orations were the best ever given at a Michigan contest. This contest was won by Albion, which college won both men's and women's contests last year. Their orator was easily one of the three or four who stood at the top, and whether he was to win or some other of this number was largely a matter of the type of mind dominant in the judges. The audience agreed heartily with the decision. In this instance our faculty representatives had reached a conclusion in harmony with the judges.

Mr. Oviatt was a representative of whom this college should be proud. At the conclusion of his oration Professor Woolbert, who trained the Albion winner, passed the judgment "That sounded like a real message, not like a mere biography." That was the conclusion of the audience. No orator held the audience better,—perhaps no other commanded such rapt attention. His subject was "A Champion of the American Idea," and his theme the work of Beecher in England during the civil war. He spoke like a mature speaker; but the few months our system enabled him to put on his oration could not give to it the depth of thought that two years had given to the Albion orator's discussion of "The Upward Trend."

The luncheon given to 600 visitors by Kalamazoo faculty and students was one of the pleasant features of the day. The general attitude of the visitors was that Kalamazoo had nobly entertained the contest. Our college will have to do a good job next year to surpass them.

The exact rank of our contestants has not been officially received.



WILLIAM JAMES BEAL, PH. D., D. SC.
PROFESSOR OF BOTANY

Dr. W. J. Beal, whose likeness appears above, and whose face is familiar to every graduate and student of the college since 1870, celebrates, on Thursday, March 11, his 76th birthday, and will soon enter upon his fortieth year's service for the college.

Dr. Beal was born at Adrian, Michigan, March 11, 1833. His boyhood was, for the most part, spent on a farm. When seventeen years of age the opening of the Raisin valley seminary, four miles northeast of Adrian, afforded him an opportunity for advanced study, and in 1855 he spent some months in completing preparation for college at Lodi Academy, Lodi, Michigan. On October 1, 1857, he entered the classical course in the University of Michigan, where he was graduated in 1859 with the degree of A. B. At once he became teacher of Natural Science in Friend's Academy, Union Springs, Cayuga county, New York. He remained there until March, 1861, when he entered the Lawrence Scientific School of Harvard University for one and one-half years, studying botany, zoology and comparative anatomy, under Gray, Agassiz and Wyman. In 1863 he became teacher of natural science in Howland School at Union Springs, New York, remaining until the summer of 1868, with the exception of one term of the spring of 1865, which was spent at Harvard, where in that year he graduated with the degree of Sc. B.

In 1869 he was elected to the professorship of natural history at the old University of Chicago, coming to M. A. C. in May, 1870, as lecturer in botany. He was professor of both botany and horticulture from 1871 to 1881, when the growth of the departments made necessary their separation. Since that time he has given his attention to botany, and, until the forestry course was established, taught the forestry given in the agricultural course.

In 1862 he received the degree of A. M. in course and in 1880 the degree of Ph. D. (honorary) from the University of Michigan, and in 1875 Sc. M. (honorary) from the University of Chicago, and in 1905 D. Sc. from this college.

In the various societies with which he has united he has always been recognized as a leader. While in the University of Michigan he was a charter member of Xi Chapter of Zeta Psi fraternity and its first president during his senior year. He is a fellow of the A. A. A. S., and was president of Section F. in 1888, was the first president of the Botanical Club of the Society organized in 1888; first president of the Association of Botanists of the United States Experiment Station, 1888; first president of the Michigan State Academy of Science, 1894; one of the organizers of the Society for the Promotion of Agricultural Science, 1880, and served as the first president for two years, 1880-2, and again in 1899-1901; Secretary of the Pomological Society for two terms (four years), 1881-85; president of the State Teachers Association in 1882, and of the college section, 1893; director of the State Forestry Commission, 1888-91; member of the Botanical Society of America, and of various other organizations.

He is the author of reports, lectures and accounts of experiments in Michigan Agricultural Reports from 1870 to 1898, amounting in all to two large volumes, and his reports and lectures and papers prepared for the Michigan Pomological and Horticultural Society from 1870 to 1898 make a fair sized volume. He has also prepared several papers for the reports of the American Pomological Society and also edited two volumes, 1881 and 1885.

His books are Vol. I, "Grasses of North America," published in 1887; Vol. II, "Grasses of North America," published in 1896, and "Plant

(Continued on page 2.)

THE CARNEGIE FOUNDATION.

The third annual report of the president and treasurer of the Carnegie foundation for the advancement of teaching, now being distributed, shows a total of 211 retiring allowances in force at the end of the year amounting to a total of \$303,505.00. Seventy-eight of these allowances were granted during the past year of which 15 were for widows. Incidentally the report gives a fund of comparative information in regard to colleges and universities which has heretofore been unavailable.

Of special interest to this college is the fact that during the past year state institutions like our own have been admitted to participate in the privileges of the foundation provided certain conditions are met. This the management are preparing to do. The State Board has already passed resolutions to this effect, and this week a concurrent resolution will be introduced in the state legislature, which, if passed, will authorize the board to take further action. President Snyder is in the east, where he will have a conference with President Pritchett of the foundation, and the college will no doubt sooner or later be placed on the accepted list.

The foundation is endowed with \$10,000,000 in 5 per cent. First Mortgage bonds of the U. S. Steel Corporation and is promised by Mr. Carnegie \$5,000,000 more when needed. The allowance is not paid direct from the foundation itself but through the university or college with which the applicant was connected when accepted and is therefore to be considered not as a pension but a deferred payment for services rendered.

The maximum retiring allowance was raised during the year from \$3,000 to \$4,000, and widows of professors who have been for ten years the wife of a professor either in receipt of a pension or entitled to receive one were admitted to the privileges of the foundation and may receive one-half the allowance to which her husband was entitled.

Allowances are granted on basis of age and basis of service. On the basis of age, the applicant being over 65 years old and having served not less than 15 years as a professor, and who is at the time a professor in an accepted institution, shall be entitled to a retiring allowance computed according to the formula $R = \frac{A}{2} + 400$. R standing for retiring allowance and A for active pay. Thus a professor drawing \$1200 would receive $\$1200 \div 2 + \400 or \$1000. No retiring allowance, however, shall exceed 90 per cent. of the active pay or more than \$4000.

On the basis of service a person who has served as professor for 25 years and who is at the time a professor in an accepted institution shall be entitled to a retiring allowance computed according to the formula $R = \frac{A}{100}(b+15) + 320$, R standing for retiring allowance; A, active

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The M. A. C. RECORD

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

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SUBSCRIPTION - 50 CENTS PER YEAR

Entered as second-class mail matter at Lansing, Mich.

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

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

Business Office with Lawrence & Van Buren Printing Co., 122 Ottawa St. East, Lansing, Mich.

TUESDAY, MARCH 9, 1909

FOURTH ANNUAL RAILROAD INSTITUTE.

Through the courtesy of the railroads of the state arrangements are being made by Prof. Taft for a two weeks' railroad institute beginning Monday, March 29, and continuing for two weeks.

The first part of the route will be over the Pere Marquette road according to the following schedule:

March 29.—Stops will be made at Williamston, Webberville, Howell, Brighton, South Lyon and Salem. March 30.—Northville, Wixom, Milford, Clyde and Grand Blanc. March 31.—Flint, Mt. Morris, Clio, Birch Run, Bridgeport and Saginaw. April 1.—Mariette, Brown City, Melvin, Avoca. April 2.—Aikins, Amadore, Croswell, Carsonville, Deckerville and Uhley. April 3.—Bad Axe, Elkton, Pigeon, Unionville, Acorn and Reese.

April 4 and 5 will be spent in Saginaw, leaving over the Mackinaw division for Cheboygan April 6 which will be reached Wednesday evening, the 7th. Thursday, Friday and Saturday will be spent in the return trip to Lansing making about six stops each day.

The train will consist of three baggage cars and two coaches. The baggage cars will be used for experimental purposes and the coaches for lectures.

Object lessons in seed testing, selecting and care of seed corn, growing of farm crops, spraying, pruning, budding and grafting, milk testing, etc., will be given. The poultry department will take several coops of fowls.

'PHONES NOW AUTOMATIC.

People connected with the college automatic system can now call Lansing parties direct. In calling college phones call as usual. In calling Lansing parties place a zero before the number given in directory. Thus to call 1469 ring 01469 and do not press the button. Lansing parties in calling the college place 10 before the number given in the directory.

WILLIAM JAMES BEAL, Ph. D., D. Sc.

(Continued from first page.)

Dispersal," published in 1898. These books have enjoyed a wide popularity and have been extensively quoted both in this country and in Europe.

Dr. Beal's work at this college has been characterized by an unselfish devotion to the upbuilding of the college and its work. To him and his contemporaries, the late Dr. Kedzie, belong the credit of contributing in a large extent to the excellent reputation which the college has attained in scientific lines. He has always stood for advancement and was the pioneer advocate of "The New Botany," as it was called, which held that a minute inquiry, in the laboratory, into the functions of the various organs of the plant is of more importance than identification or classification, and under his direction this college was one of the first four to place compound microscopes in the hands of students. The botanic garden, of which there are only three older in this country, was started and has been constantly under his direction. He was also one of the first in the country to become interested in forestry, and the arboretum, started in 1877, the pinetum east of the college and the early forest plantations at Grayling and Au Sable are the oldest and best examples of artificial planting to be found in the State.

Sec. Garfield, of the State Forestry Commission, in a recent report said: "In the early meetings of the Horticultural Society Dr. Beal presented papers upon forest preservation, and as a result of this agitation the legislature provided for the organization of a Forestry Commission. Dr. Beal was appointed to carry out the provisions of the act, and in this capacity he made the first bulletin on forestry subjects published in this state. * * * The writer of this work is under the greatest obligations to him for inspiration and assistance, and when Michigan forestry shall have attained the measure of success which is worthy of the cause, and which is bound to come, Dr. Beal's name will occupy the greatest historical prominence."

Visitors at the campus remark upon his unusual vigor. Always accustomed to hard work, he still does his share of teaching in addition to the care of the botanic garden, the executive work of the department and a heavy correspondence.

PIANO RECITAL.

A piano recital will be given in the parlor of the Women's Building Friday evening, March 12, by Miss Edna Hopson, assistant in music at the college, assisted by Miss Mable Alden Ferry, violinist, and Miss Louise Freyhofer, pianist. The following program will be rendered. Time 7:30.

Sonata Op. 27, No. 2 (Moonlight Sonata), Beethoven.
Gypsy Melodies, Sarasta.
Etude Melodique, Raff.
Mazurka Caprice—Spring Dawn, Wm. Mason.
Gondoliera No. 1, Liszt.
Legende, Wieniawski.
Concerto in G Minor, Mendelssohn.
(Orchestral accompaniment played on second piano.)

NATIONAL FOREST RESERVATION.

One of the closing acts of President Roosevelt's administration was the setting aside of a large tract of land in Ogemaw, Oscoda and Alcona counties as a national forest reserve amounting to 134,680 acres.

This is of special interest to the college, not only because the tract joins the college reserve but because it was largely through the college that the proposition was brought to the attention of the U. S. Forestry department through maps prepared specially for that purpose and personal solicitation. Together with the college reservation this will form a total of nearly 180,000 acres in one tract devoted to forestry purposes in this state. Just what disposition will be made is uncertain but it is probable that the national government will cooperate with the college in preventing fires and in reforestation.

COMMENCEMENT WEEK PROGRAM.

At a recent meeting of the faculty a revised program for commencement week was adopted, designed to impart a more festive spirit to this important week.

According to the program commencement day is scheduled for Tuesday, June 22. The Friday preceding will be known as college day and the under-graduate work will close at noon. The society reunions will be held in the evening.

Saturday will be known as senior day and will be given over to appropriate exercises.

The baccalaureate services will be held on Sunday afternoon and a final union meeting of the Y. M. and Y. W. C. A. in the evening.

Monday will be known as Senior Day, at which an opportunity will be given for class exercises. It is probable that the new Agricultural Building will be dedicated some hour during the day. The president's reception will be held in the evening. By this arrangement two dates are left open for the society reunions; Friday and the evening after commencement.

Speakers have not yet been secured to deliver either the baccalaureate or the commencement address.

1908.

G. S. Valentine is with the American Locomotive Works at Dunkirk, N. Y.

May 21. 1875
DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON, S. E. R.
Dear Sir
I am much obliged for
your extremely kind notice
of my book on Corp
Fertilization. & for your
note of Aug 2nd. —
I have further to thank
you for a copy of
your article on Manure.
I am glad that you intend
to give it a notice. I remain
Ch. Darwin your faithful
servant

FACSIMILE OF LETTER WRITTEN BY CHAS. DARWIN TO DR. BEAL IN 1878.

The band is planning for a sacred concert, to be given in the armory Sunday afternoon, March 21st, to which every one is invited. The band hopes to present a very creditable program at this time, and

make the sacred concert an annual affair. Besides several numbers by the band there will be two soloists, and it is hoped the chorus will be able to render a selection. The full program will be given in next issue.

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ABOUT THE CAMPUS

The University of Pennsylvania has recently received a gift of \$200,000 from an anonymous donor.

Prof. Eustace will give an illustrated lecture on Semi-Tropic Horticulture at the Horticultural Club Wednesday evening.

Lost.—Elgin watch, closed, plain, silver case, M. A. C. fob. attached. First missed Tuesday noon, March 2. Finder please return to 101 Engineering Building, or 138 Abbot.

Massachusetts is considering the establishment of a state college to be known as the "Massachusetts College," the object of which will be to provide opportunity for securing a high-grade education at a minimum of cost.

The Eclectic Society held its annual Freshman Oratorical Contest Saturday night, Feb. 26. Mr. George G. Cover won first place, with Senator Hoar's "Eulogy of McKinley," while second place was given to Mr. Torrey J. Betts whose subject was "Lincoln," by Henry W. Watterson. The judges were Prof. Eustace and Instructors Fish and Henzel.

A crowded house greeted Mr. Gilbert McClurg at his lecture on Texas at the armory Friday evening. The lecture was illustrated throughout with handsome slides and moving pictures descriptive of the history of the Lone Star State and its industrial possibilities. Though tinged with a vein of commercialism it afforded an evening of pleasure as well as profit.

The Gander failed to appear last week, as promised. In the meantime it has changed its name and is promised for tomorrow.

Military hop March 12, '09, college armory. The only military hop this term, so don't miss it. All cadets are required to wear their uniforms. Price \$1 to all.

The trustees of Wesleyan University have voted to abolish co-education in that institution after the next entering class. A college for women will be established in connection with the university.

Dr. E. Fortier, Chief of Irrigation Investigations, U. S. Department of Agriculture, will give an illustrated lecture in the armory this evening under the auspices of the Foresters' Club. His subject will be "Methods of Irrigation." Everybody invited.

Though a little tardy because of unforeseen delays the centenary of the birth of Charles Darwin was celebrated at the college chapel Thursday evening. The speaker of the evening was Dr. R. M. Wenley, professor of philosophy at the University of Michigan, who took for his subject, Darwin's Influence on Thought. Though brief Dr. Wenley presented the subject in a logical and somewhat original manner. Dr. Beal and Prof. Barrows each gave a short talk preceding Dr. Wenley. Through the courtesy of Dr. Beal we reproduce on another page a letter written by Charles Darwin in 1878, together with his autograph.

John D. Rockefeller's gifts to the University of Chicago amount to more than \$25,000,000.

WANTED.—An educated man to work on salary during vacation. Inquire front room downstairs—Fishback's.

The alumni of Bryn Mawr college have undertaken to raise a fund of \$1,000,000 for an additional endowment. \$100,000 have already been turned over to the board of directors.

The railroad institute planned for the two weeks, ending April 10, will bring to a close the major portion of the work of the farmer's institutes for the year, a year which has been one of the most successful in the history of the movement in Michigan. Not only was the round-up at Mt. Pleasant largely attended, but throughout the year the attendance at the one and two day institutes show an increase of 25 per cent.

The location of the Government Forestry laboratory which has for several weeks been the bone of contention between the University of Michigan, and the University of Wisconsin and for which M. A. C. and the University of Minnesota were at one time mentioned, has been definitely decided upon and will go to Wisconsin. The reason given for the choice is, that in the opinion of the forest service, Wisconsin is nearer the center of the field in which the experts in that branch of the government are operating.

Hon. H. T. Barnaby will speak at Farmers' Club this evening on "Law Points for the Farmer."

Miss Julia Smith of Clarkston, Mich., spent the week-end at Mrs. Angell's, visiting her brother, Mr. S. S. Smith.

The Delphic Society have been granted permission and will occupy the suite of society rooms in Ward A, Wells Hall.

Prof. King sustained a painful injury to his knee last week which kept him at his home for several days. He is now able to meet his classes again.

"Ernie" Vaughn, star halfback on the football team in '06 and '07, has the contract for roofing the new agricultural building and is overseeing the job.

Prof. C. H. Benjamin, dean of engineering at Purdue University, will lecture to the engineering students on Monday, March 15, on "The Development of Machine Tools." The lecture will be illustrated with lantern slides.

As the cry has been for "more dances," "more dances," at all the promenades, the band has decided to give a regular dance the second week of the spring term, April 16th. There will be a concert from 7:30 to 8:00 o'clock, and dancing from 8 until 11 o'clock. The tickets will be on sale the last week of the term. Only a limited number, such as can be accommodated on the floor without crowding, will be sold.

ATHLETICS

Those who read the prosperity of the college in her athletic prospects find occasion to rejoice in the fact that in classifying the college relay teams for the "Big Six" relay meet to be held under the auspices of the Ohio State University at Columbus, May 28, Director Wingert of that institution has placed M. A. C. in class A, along with such institutions as the University of Michigan, Chicago, Wisconsin, etc. What is more there seems to be every hope that the relay team will make good in this fast company. With three of the men who constituted last year's classy team still eligible and with at least one faster eligible now in college than the fourth the high hopes of the athletic enthusiasts seem in a way to be justified.

BASKETBALL RECORD GOOD.

The basketball season which ends this week has been the most satisfactory in the history of the college. The schedule was very much shorter than any of late years, extending over but eight weeks, with but 13 games scheduled, while 18 and 20 games have been played in other years. However, the class of teams played made the season a success financially as well as in the enthusiasm shown by the large crowds which packed the armory at nearly every game. The policy of the management in arranging fewer games, but of higher class in all sports, seems to be wise, at least in the case of basketball.

The following is the record of games played this season. One more game will be played with the Detroit Y. M. C. A. March 11.

| | | | |
|----------|-------|------------------|------|
| M. A. C. | 76 | DePaul | 7. |
| " | 56 | Adrian | 7. |
| " | 10 | Notre Dame | 26. |
| " | 24 | Burroughs | 15. |
| " | 31 | Battle Creek | 24. |
| " | 15 | Michigan | 25. |
| " | 18 | Detroit "Y" | 25. |
| " | 24 | Annour Institute | 7. |
| " | 17 | Notre Dame | 32. |
| " | 22 | Burroughs | 26. |
| " | 30 | Rochester "Y" | 18. |
| " | 24 | Rochester "Y" | 36. |
| " | total | | 121. |

Opponents—242.

BREAK EVEN WITH EASTERNERS.

In a series of two games with the Rochester, N. Y., "Y" team (New York state champions) last week, M. A. C. won the first, Tuesday evening at the armory by a score of 30 to 18, playing under inter-collegiate rules. Wednesday evening a second game was played on the Lansing Y. M. C. A. floor under A. A. U. rules, which resulted in a defeat for the locals by a score of 36 to 24.

Both games were snappy and clean from start to finish, and furnished an opportunity for seeing two exhibitions in the basketball line rarely if ever before equalled in Lansing. The line-up for both games was as follows:

| Rochester. | M. A. C. |
|----------------------|------------------|
| S. Vaisey..... | l. f.....McKenna |
| Riley..... | r. f.....Dickson |
| T. Lanni..... | c.....Campbell |
| Smith, C. Lanni..... | l. g.....Merz |
| G. Lanni..... | r. g.....Hanish |

95.

M. W. Fulton is a prosperous farmer at Winfield Kansas.

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| Skirts at | - | - | - | 3.98 | 5.00 | 7.50 | 10.00 |
| Waists at | - | - | - | 1.00 | 1.50 | 2.00 | 3.00 |

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THE TECHNICAL CLUBS

Brief Reviews of the Meetings

ENGINEERING SOCIETY.

Mr. McFarland, of Grand Ledge, spoke before the Engineering Society, last week, on the manufacture of brick. He gave a description of a brick plant and the process carried on from the time the clay is taken from the bank until the brick are loaded on cars to be shipped.

Mr. C. C. Wilcox, instructor in the machine shop, will give an illustrated lecture tonight on "The Modern Blast Furnace."

THE CARNEGIE FOUNDATION.

(Continued from page 1.)

pay, and b, the number of years of service. Thus a professor receiving \$2000 active pay, having served 25 years, would be entitled to $2000(25+15)+\$320$ or \$11,200.

Years of leave of absence may be counted as years of service not to exceed one in seven, but it is not necessary that the whole of the service shall have been given in institutions upon the accepted list.

NEW SOCIETY ORGANIZED.

The new literary society held a meeting last Saturday evening and completed their organization. A constitution was adopted, officers were elected, and committees appointed. Much enthusiasm was shown by each of the thirty-nine members already enrolled, and all eagerly look forward to the securing of a good room in which to hold their meetings.

By the spirit shown, much is expected from this new organization; indeed, judging from appearances, many auguries have been made to the effect that not much time will elapse before this society has at least placed itself on an equal footing with those which have previously been organized.

The officers elected are as follows:

| |
|------------------------------|
| H. W. Rowley, President. |
| J. B. Myers, Vice President. |
| G. P. Springer, Secretary. |
| F. H. McDermid, Treasurer. |
| H. J. Bemis, Marshal. |
| W. A. Gardner, Reporter. |

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

CROCKERY AND GLASSWARE.

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

DENTISTS.

J. E. STOFFER, D. D. S. Office 301 City National Bank Bldg. Citizens phone 1099. Former M. A. C. student.

N. H. MOORE, D. D. S. Office 111-113 Hollister Building, Lansing, Mich. Citizens phone 275.

R. W. MORSE, D. D. S. Hollister Block, room 517. Citizens phone 52. Bell phone 386.

D. E. PARMELEE, Dentist, 117½ Washington Ave. S., Lansing, Michigan. Automatic phone, office 3402; residence, 3404.

DEPARTMENT STORES.

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ELGIN MIFFLIN.—Ladies and Gentlemen's Furnishing Goods. See ad.

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M. J. & B. M. BUCK.—Furniture. Corner Washington Ave. and Ionia Street. See ad.

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DAVIS & CO., 127 Michigan Ave. E., make all kinds of Fancy Ice Cream, Sherbet and Ices. Both Phones.

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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 1030. Rooms 203-204 Prudden Block.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m.; 2 to 4 p. m.; Sundays 12 to 1; Evening 7 to 8. Corner Allegan St. and Capitol Ave., Lansing. Both phones.

PHYSICIANS.

DR. H. W. LONDON. 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. New phone 1590.

DR. OSCAR H. BRUEGELM—Hours, 7 to 8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sundays, 12 to 1 and 5 to 6 p. m. East Lansing, Mich. Citizens phone 1502.

PLUMBERS.

SHIELDS & LEADLEY.—Plumbing and Heating. 300 Washington Ave. N., Lansing. Both phones.