

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 10.

LANSING, MICHIGAN, TUESDAY, APRIL 25, 1905.

No. 31

ATHLETICS.

MICHIGAN—M. A. C.

Friday opened with a cold rain which later turned to snow, and gave promise of a day which would not be at all favorable for baseball. Later, however, the sky cleared and altho the field was not in first-class shape, the first game with Michigan was called at 3:30. The two teams were practically on a par, altho Michigan had the advantage of several preliminary games. In this game, M. A. C. was in the lead up to the seventh inning and was behind at no time until the 9th. In the 9th Michigan got three runs on three hits, fielders choice, which won the game for them. Finnerty started to pitch for Michigan but M. A. C., led on him for three hits in the first innings, the last, a two-bagger by McKenna, scoring three runs. This finished Mr. Finnerty. Sanger was then placed in the box and saved the game for the visitors. M. A. C. scored three more runs in the 4th and 5th by good clean hitting, but after this no more hitting was done.

The features of Friday's game were hitting of O'Brien who made one home run, a three bagger and a single, and also the hitting of McKenna who made two two-base hits, scoring half of M. A. C.'s runs. Ellsworth pitched an exceptionally strong game and was backed up by good in-fielding and also by fast out fielding on the part of Gunnison and Wilcox.

Saturday's game was not quite up to expectations. We had two young pitchers, who, in the practice games were about on a par, and it was decided to use them for half a game each. Shaffer started the game, but had a severe attack of "stage fright," and surrendered to Neis at the end of the 3d. Neis did good work, was exceedingly cool for his first big game and gives promise of being a winner.

The features of Saturday's game were Wendell's pitching and hitting. He made three two-base hits and a single, thus driving in seven of Michigan's runs, and scoring four himself. For M. A. C. the batting and base running of McKenna was the feature, having made three clean singles, the last driving in M. A. C.'s only runs. He also stole second cleanly three times. In both our freshman catcher, Boyle, showed up better than did the Michigan man, and in his first big game certainly was a star. In this position M. A. C. has nothing to fear.

Director Brewer states that he is well pleased with the work of the team in both games. The team is stronger than the one of last year. The infield is especially strong, the outfield is stronger than that of last year, and the team as a whole is very much stronger in hitting and base running.

The four pitchers, Ellsworth, Neis, Shaffer and Boyle have shown up well and will be able to hold up their end of the games.

Following is the line-up of the teams:

FRIDAY GAME.

Michigan	R	Hits	PO	A	E
Martin l	2	2	1	0	1
Taft c	1	2	9	2	2
DePree r	0	0	8	0	0
O'Brien 3	2	3	1	0	1
Kelley 2	0	1	3	2	1
Carrothers r	2	1	4	0	0
Campbell s	0	2	0	0	0
Wendell m	1	1	0	0	0
Finnerty p	0	0	1	0	0
Sanger	1	0	0	5	0
Total	9	12	27	9	5

M. A. C.	R	Hits	PO	A	E
Armstrong s	0	1	2	1	0
Chapman 3	1	1	1	5	1
Burke r	1	1	7	1	1
Canfield 2	2	1	4	1	0
McKenna r	2	2	0	0	0
Gunnison m	0	1	4	0	0
Wilcox l	0	0	3	0	0
Boyle c	0	0	5	1	1
Ellsworth p	0	0	1	1	3
Total	6	7	27	8	6

Mich. 1 0 2 0 1 0 2 0 3-9
M. A. C. 3 0 0 2 1 0 0 0 0-6
Stolen Bases Mich. 5; M. A. C. 5. Two base hits, McKenna, 2. Three base hits, O'Brien. Home run, O'Brien. Struck out, Sanger 7, Ellsworth 5. Bases on balls, Finnerty 1, Ellsworth 6. Umpire, Byron.

SATURDAY GAME.

Michigan	R	Hits	PO	A	E
Martin l	1	0	0	0	0
Taft c	0	0	9	1	0
De Pree r	1	1	7	0	0
O'Brien 3	1	1	2	4	0
Kelley 2	1	1	6	0	1
Carrothers r	2	1	2	0	0
Campbell s	1	1	1	0	1
Wendell p	4	4	0	1	0
Sanger m	0	2	0	0	0
Total	11	11	27	6	2

M. A. C.	R	Hits	PO	A	E
Armstrong s	0	1	2	3	0
Chapman 3	1	0	0	3	0
Burke r	1	1	17	0	2
Canfield 2	0	0	0	2	0
McKenna r	0	3	3	0	1
Gunnison m	0	2	1	1	0
Boyle c	0	0	3	0	0
Ellsworth l	0	0	1	0	0
Shaffer p	0	0	0	1	1
Nies p	0	0	0	4	0
Total	2	7	27	13	4

Two base hits, Wendell 3; three base hits, Sanger 1; stolen bases Mich 3, M. A. C. 9; bases on balls off Wendell, 4; off Nies, 3; off Shaffer, 3. Hits off Shaffer, 4, off Nies, 6. Struck out Wendell 6, Nies 2.

Wednesday, April 26, Hillsdale plays a practice game at M. A. C. The game will be called at 4:10 so as not to interfere with class work. On April 29 will occur our first cup game. Alma comes to M. A. C. on that date. This game will be called at 2:00 p. m.

On April 28-29 an inter-class meet will be held at which time the team to meet Notre Dame on May 6 will be decided upon.

The Association put up \$250 in cash and this, together with some minor considerations, landed the Field Day which is to be held early in June. The above decision was made at a meeting of the board of directors held in Lansing, Friday, April 21.

We regret that on account of the rush of business and the lateness of hour at which some copy was received, it has been necessary to hold some matter over until next issue.

FARMERS' CLUB.

The Farmers' Club met Tuesday evening, April 18. Mr. J. S. Shaw spoke on the 'Chemistry of Barn Ventilation.' He had apparatus to show how the location of CO₂ was determined in the dairy barn. In an interesting and instructive way he showed the importance of ventilation and the evil effects resulting from a lack of ventilation. At the close of the meeting programs for the term were distributed.

HORT. CLUB.

April 19th, C. A. McCue gave a very interesting talk on "The Origin of the Cultivated American Raspberries and Blackberries." The early settlers found wild berries growing here and paid little attention to them because they were so inferior to those cultivated in Europe, but when they found that the European varieties could not be grown in this climate they turned their attention to the native berries, and it is from these that our present cultivated raspberries and blackberries have come. Longworth introduced the Ohio, a black raspberry in 1832. Joslyn found and cultivated the Doolittle, a red-raspberry, a little later, and the Dorchester, the first blackberry to be cultivated, was introduced in 1841. A little later in 1869, Peck, in Pennsylvania, found and cultivated the purple raspberries. Of the 33 species of the family Rufus found in the U. S. only 9 are of commercial importance. America is the only country in the world that has cultivated the native berries, although some very good varieties grow wild in England, Ireland and other countries of Europe.

Y. W. C. A.

Rev. W. A. Minty preached the Easter morning sermon to a small but appreciative assembly. His subject was "The Greatest Speaker." It was a splendid effort filled with the true Easter spirit. He said that in a few short chapters Christ had brought out truths worthy of many volumes. He spoke of the promise of Easter as found in Christ's teachings.

In the evening Mr. Gunson gave one of his characteristic talks on Easter. He spoke of the value of fellowship in college and in later life.

At the Thursday evening meeting J. B. Wilkinson led, taking for his subject, "Humility." By reference to the scriptures, he showed that we had a divine example to follow. W. J. Hill and others gave short talks on the subject.

A special Easter prayer meeting of the combined Y. M. and Y. W. C. A. was held at 7 o'clock Sunday morning. A goodly number were in attendance.

Prof. J. A. Jeffrey will have charge of the services in chapel next Sunday evening.

Pres. J. Fisk and Sec. F. R. Hurst will attend the association conference in Alma Saturday and Sunday.

ALUMNI.

With '98.

Mr. E. L. Thompson is located at 831 Central avenue., Los Angeles, California, where he is city salesman for George A. Smith, the butter king of southern California. He reports a remarkably good trade and that he is receiving in consequence a good salary. He further reports that while there are no other M. A. C. men there that he can find, there is a good opening for butter makers who understand ice making as well, at salaries from \$75.00 to \$125.00 per month.

'02.

Cards are out announcing the marriage of Frank J. Beal, with '02, to Miss Adaline Van Pelt, at Wyandotte, Mich., on April 12.

'03.

Cecil Phillips, with '03, made college friends a short visit early last week. Mr. and Mrs. Phillips (Hettie Wright, '03) have just returned from their western trip, coming by way of Colorado and Montana, having traveled about 500 miles since leaving Michigan. They will now make their home near Milford.

Burr Wheeler '03, is now located at 96 Flushing ave., Jamaica, L. I., New York. Mr. Wheeler is still with the firm of Westinghouse, Church, Kerr Co.

LINCOLN NEBR.

Charles Edwin Bessy, '69, B. Sc., M. Sc., Ph. D., LL. D., is Dean of the Industrial College, and professor of botany since 1884. His address is Station A., Lincoln, Nebr.

Edgar Albert Burnett, '87., B. Sc., is Associate Dean of the Industrial College, Director of the Experimental Station, Professor of Animal Husbandry and Supt. of Farmers Institute since 1899. His address is Experiment Station, Lincoln, Nebr.

Howard Remus Smith, class of '95, B. Sc., has been Professor of Animal Husbandry since 1901. Professor Smith's address is University of Nebraska, Exp. Station, Lincoln, Nebr.

Steps have been taken to organize a local association of alumni and old students of the M. A. C. living in Lansing and vicinity. A committee composed of Harris Thomas '85, Arthur Lyons '96-'99, and Prof. F. S. Kedzie has been appointed to arrange for the first meeting and organization of the association.

The question discussed at the Debating Club Thursday night was, Resolved, That senators should be elected by popular vote. L. D. and C. Bushnell spoke on the affirmative; N. J. Smith and Lee Darbee on the negative. The decision of the judges was in favor of the negative.

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

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

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

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

TUESDAY, APRIL 25, 1905.

EUNOMIAN LITERARY SOCIETY.

The Eunomian Literary Society had their first 10 o'clock for this term last Saturday evening. The rooms were prettily decorated to represent the woods, and in the centre over a hot fire, was hung a large kettle which supplied the merry company with abundance of hot maple syrup. As is usually the case 10 o'clock arrived much too soon, meaning as it does that all must depart. The patrons for the evening were Mr. and Mrs. B. A. Faunce.

UNION "LIT." HOP.

About thirty-five couples enjoyed themselves at a dancing party given by the Union "Lits" in their building Saturday evening, April 22. On entering the hall each lady was favored with a carnation spray, these with Easter lilies completing the floral decoration. Mr. Robinson furnished good music; Mr. and Mrs. Gunson were present to see that the right hours were kept and it had indeed seemed a short time when their warning was given.

THE FORESTERS' TRIP.

The party of Forestry students started Saturday morning, April 1, on their trip through the northern part of the Lower Peninsula.

Our object in making the trip was to see and learn all we could about Forestry past and present in Michigan.

Through the courtesy of the G. R. and I. and the D. and M., which R. R. gave us reduced rates with special stop over privileges, we were able to visit many points of interest on both the western and eastern sides of the peninsula.

Among the places visited were, a veneer factory, and Mr. Garfield's plantation in Grand Rapids, several saw mills, hardwood flooring factories, alcohol plants and devastated tracks of stump land at Cadillac. At Alba, large areas of hardwoods and also large stands where white pine predominated, a pulp and paper factory at Alpena, and the starting of a large plantation to be

made by the president of the D. & M. at East Tawas Beach.

Among the things which impressed us most was the interest the railroads were taking in the Forestry, both in planting and in endeavoring to prevent fires along their right of way; the great economy shown by lumbermen, both at the mills and in the woods as illustrated by the alcohol plants which consume practically nothing but wastes from the saw mills and hardwood factories and by the closeness to the ground the lumbering jacks are cutting the trees and small amount of tops left.

The apparent indifference of the people as to the future of the lands of Michigan is very vividly shown by the immense tracks of land with the charred stumps and little or no vegetation.

The many attempts of nature to restock the land with trees indicated very plainly that if the people would only keep out fire and cattle a valuable stand of timber would soon make the now practically worthless land yield a good profit.

Taking the trip as a whole all who went were unanimous in their decision that the trip was well worth all it cost, both of time and money. We trust that all taking Forestry work will be able to take a similar trip.

AGRICULTURAL JOURNALISM.

Some of the very best articles in the agricultural press of to-day are written by men who have made a study of scientific principles and know "whereof they speak." These men of whom we speak are from our own M. A. C.

A late issue of the *Michigan Farmer* is an article by C. A. Willson '05 on the subject of "Nitrogen-Fixing Bacteria and Soil Inoculation." After calling attention to the rapid rate at which our mineral sources of nitrogen are diminishing, and the various destructive forces at work in the soil liberating the fixed nitrogen, the writer calls attention to the attempts to treat sterile soils which has finally resulted in the discovery of the bacteria which is just now coming into use. The results of experiments at the Station are given and two plates are presented. One of these shows the clover tubercle bacteria magnified and the other clover roots with tubercles caused by bacteria. In the same issue of the *Farmer* is an excellent article on "Handling the Orchard Cover Crop" by C. H. Hilton '00. Mr. Hilton points out the danger of following year after year the practice of others without regard to difference in conditions, and to the fact that each one must solve for himself the problems of the orchard as they come and study the conditions of the same. He discusses "The Purposes of the Cover Crop," the "Aids in restoring fertility," and the "Spring Handling of Cover Crop," all quite fully and gives many valuable suggestions to those interested in these subjects.

Professor U. P. Hedrick also has an article on "The Grand Rapids Fruit Market" in the issue mentioned. In this article Prof. Hedrick explains fully the methods of this market, the establishment of same, amount of space given, cost, laws, etc. A large half tone on the front page shows something of

how the market appears on busy days.

S. B. Hartman '03 is certainly one of the very best writers on agricultural subjects for the *Michigan Farm and Live Stock Journal*. He recently furnished this paper a series of articles on grafting and in the last issue treats of the various methods and under what condition each may be used. Mr. Hartman has written interesting articles for the above paper, bearing on other subjects and in all of these has proven himself an excellent correspondent.

B. E. Benedict, associate editor of the above publication, was a student at the M. A. C. '67-'70, and has been connected with various publications throughout the state in all of which he has shown marked ability as a newspaper man.

Others who might be mentioned are C. E. Lillie, '84, C. P. Reynolds with '02, H. E. Young '02, all of whom are doing good work in their chosen line.

A VOLUME OF ENGINEERING HISTORY.

In a book of 1000 pages, entitled "The Principal Professional Papers of Dr. J. A. L. Waddell," there have been collected a large number of note-worthy contributions to engineering literature, comprising the written evidence of much scientific research, the painstaking record of structures of magnitude and the difficulties encountered in their construction, and valuable essays upon the progress of engineering science and art.

Most engineering students are familiar with Dr. Waddell's books on bridge design, but many will be surprised to learn from these papers how exceedingly active he has been in professional work and how forcibly and effectively he has written in the cause of engineering education. There are here presented a half dozen addresses, which have been read before engineering students and educators, dealing with a variety of questions, but especially valuable in aiding the young engineer to acquire that kind of knowledge which shall be of practical application. The other papers cover a wide range of engineering practice, including railroad location, construction and management, bridge design and repair, foundations, bridge loads and specifications. The editor has very wisely included with the addresses the discussions which were occasioned by the original publication, and it is worthy of note that while some of these discussions took place a decade ago or more, the questions with which they deal are still alive, and Dr. Waddell's advice is as valuable today as at the earlier date.

Besides being of practical value to the technical reader, there are few papers in the collection that will not prove very entertaining to the layman. Presented in forcible, modern English, there is throughout the charm of a story well told, which is particularly in evidence when the story is that of difficulties surmounted. The story of the flow-line bridge repair in Kansas City, at the time of the great flood, is more absorbing than many a finished romance.

There is a deplorable lack of historical engineering record, especially of the kind that might serve as inspiration to beginners in the profes-

sion. Perhaps engineers are so busy making history that they find little time for presenting the story of their work; perhaps the reward of the historian is not over large. Whatever the reason, the need is great, and the advent of a book like this one will bring pleasurable gratification to all engineers whether they are practitioners or beginners. As a record of engineering achievement, the papers will invite the reader's emulation. They will supply helpful reference on many troublesome questions of practice, and will serve as admirable models of technical subjects clearly and entertainingly presented.

The thanks of the engineering profession are due to John Lyle Harrington, C. E., who has so ably edited the papers and who has supplied a biographical sketch of Dr. Waddell and comments on the different papers. The book is for sale by Mr. Virgil H. Hewes, 245 W. 107th St., New York City. The regular price, including postage or express, is \$5.00 H. K. V.

Following is a program of the meetings of the Farmers' Club for the spring term.

April 11—Crop Rotation, C. A. Wilson.

April 18—Barn Ventilation, J. S. Shaw.

April 25—The Relation of Bacteria to Soil Fertility, N. G. Sackett.

May 2—Farm Drainage, Prof. H. K. Vedder.

May 9—Slaughtering of Infected Cattle at Chicago Stock Yards, Dr. G. A. Waterman.

May 16—Horticulture as an adjunct to General Farming, C. B. Cook, Owosso Mich.

May 23—Farm Motors, L. B. McWethy.

May 31—Handling the Dairy Herd During the summer season, Colon C. Lillie, Cooperville, Mich.

June 6—Plant Breeding and Seed Selection, R. C. Potts.

June 13—Relation of Soil Physics to practical Agriculture, H. H. Crosby.

Meetings called to order at 6:40 p. m. You are cordially invited and welcome.

The motto for the term is—"He that would profess himself to be perfect in this science, must be exceedingly well acquainted with the nature of things.—Columella.

Following is an account of receipts and expenses of the circus given the first part of the term:

From sale of coupons	\$213 82
From general admission	91 36
From fines at police court	15 91
From gifts	1 28
	<hr/>
	\$322 37
Expenses to date	85 53
	<hr/>
	\$236 84

All bills have not been presented and the expenses cannot be stated accurately as yet. It is probably safe to say that the association is \$200 to the good.

Hillsdale College has issued a neat folder consisting of three cards upon which are shown several views of the college and information concerning the work given. The cards are neatly fastened together with silk cord and make a very attractive folder.

Friday April 28, has been designated by Governor Warner as Arbor Day and he recommends its general observance.

WHAT SOCIETY MEANS.

The title as named was a liberal one and since it is the writer's privilege to treat those phases of the question that appeal most to him, I should like to make two divisions of the subject. *First*, what society life means in general, and I refer to the organized society, and *second*, what the societies mean to the students at our beloved M. A. C.

There are but few people in this age who do not or have not belonged to some social organization. In our homes we all know of the love our fathers and brothers feel for their brother Masons, or Oddfellows, as the case may be, and of their sworn loyalty to the chapter. Such organizations are all helping to elevate and refine the American citizen. In all of the meetings the religious rites form a large part of the ceremony, and the effect upon Christianity is second only to the church.

Then there are the literary circles and women's clubs which meet from week to week and they serve both to educate the mind and to furnish recreation for the busy wife and mother. Consider also the national fraternities and societies. Once the oath is taken the members are closely bound to each other. The Great chapter prints a regular periodical to thus better acquaint local chapters. Visiting members are always welcome and are treated in a royal hospitable manner. Each member is bound by an oath to be loyal, to defend his or her brothers or sisters against unjust attacks. Summed up, it is an attempt to perfect the so called brotherhood of man, which is as old as the Christian religion. It is the same brotherly spirit of love which the apostle Paul preached to the patriots of Rome.

In this our college life the various societies upon the grounds are to us what the various organizations named are to those connected with them. To us they stand for all that is truest and best. To be sure, there is rivalry but it is an old adage that competition ensures a good article. It is in a social way that we often learn a person's true worth. It is here that class room cares and ambitions are laid aside and things greater than those to be found in text-books are studied. It is here that many friendships are formed and lifelong ones they often prove to be.

Society life as we regard it then should mean,—many pleasant hours spent together both in intellectual development and recreation, loyalty both to friends and chapter, to aspire to the ideal, to criticize the faults of our friends and to help them to mend them, to bear criticism from others and profit by it. It is in short to strive to follow the ideal life that our future life may always reflect the influences which have been ours.

And now, dropping the college man, the ideal college society girl is best characterized by quoting from an article written by a highly educated college matron in which she discusses the most popular college girl—"She is not the butterfly girl who goes to college to have her pretty face admired; to attend a round of teas, balls and receptions, to constantly walk, dance and flirt with the college men. It is not the grind who takes the shortest cut from the classroom and bones, bones, bones at morning, noon and night, who never mingles in society and does not care for it. But it is the all-around girl; the girl

who has firm and stanch friends both among men and maids, who can be entertained by the elderly, entertain the young and hold her own in wit and conversation. The girl who will not shrink from her duties, who is considerate of others, studies hard but studies that she may know and not to excel. The girl who is interested and shows her interest in the college welfare. The girl who regards her girl friends highly and would not break an engagement with a girl to make one with a man. The girl who can play tennis, run, skate and will spend the time for an hour's recreation and enjoy it. The girl who feels respect for those in authority. The girl who desires to be as attractive as she can sensibly and consistently. And lastly the girl who is truthful, loyal and sincere. This is the girl we all love and she deserves it all."

The occupants of Station Terrace have presented to the athletic department a fine large score board for both base ball and track. This will be used to good advantage especially now that we have Field Day.

The electrical department is in receipt of catalogs from two companies which make artificial refrigerating apparatus, using a small electric motor and capable of being applied to small refrigerators, thus making sanitary refrigeration on a small scale practicable.

KNOXVILLE, TENN.

Charles E. Ferris '90, accepted the position of Instructor of Drawing and Machine Design at the above college in '92, which position he has held for ten years. Since 1902 he has been professor of mechanical engineering. Prof. Ferris is the author of a text book on Descriptive Geometry published by the American Book Co.

The directors of the Michigan Corn Improvement Association met in the office of Prof. Jeffery on Saturday of last week for the purpose of discussing plans for next year's work. The directors of the association are, Mr. Raven, of Clark's Lake; Mr. Reynolds, of Owosso; Mr. Lillie, of Coopersville, Prof. Jeffery, and Mr. O. E. Young, of the *Michigan Farmer*, Detroit. Mr. Lillie was not present and Vice-President N. P. Hull, of Dimondale, took charge of the meeting. One change was made in the score card of corn, increasing the percentage of grain to the ear from 86 to 88 percent for the required standard. Changes were also made in the rules for judging, and a resolution was adopted suggesting a plan for the carrying forward of local corn growing contests such as are being taken up by granges in the various counties and by other societies.

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A. F. GORDON, D. D. S. M. A. C. '91, U. of M. '01. 218 Washington Ave. S. Phone, Citizens 862.

J. E. STOFFER, D. D. S. Office 105 Washington Ave. S. Citizens' Phone 1049. Former M. A. C. student.

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

R. W. MORSE, D. D. S. Hollister Block, Room 517. Citizens Phone 52, Bell Phone 396.

D. E. PARMELEE, Dentist, 117½ Washington Ave. S., Lansing, Michigan. Citizens' Phone, office 275; residence, 1440.

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

FURNITURE DEALERS.

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

HACK AND BAGGAGE LINES.

ORDER your hacks for parties at Carr's Hack Line. Livery in connection. 410 Washington Ave. N.

HARDWARE, STOVES AND TINWARE.

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

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., (Incorporated) Hollister Block. All kinds of the best insurance. Strongest agency in city.

JEWELERS.

CHAS. A. PIELLA. Jeweler and Optician, 121 Washington Ave. N., Lansing, Mich.

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CHAS. G. JENKINS, M. D.—Diseases of Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m. and 2 to 5 p. m. Citizens Phone No. 1030. 224 Washington Ave. South.

PHYSICIANS.

J. W. HAGADORN, M. D.—Office hours, 11 to 12 a. m., 2 to 4 and 7 to 8 p. m. Office at 213 Washington Avenue S.; home 219 Capitol Ave.

DR. H. W. LANDON. Office and residence, M. A. C. Office hours from 7 to 8:30 a. m., and 12:30 to 2, and 6:30 to 8 p. m. Sunday office hours 4 to 5 and 7 to 8 p. m. Now phone 1560.

DR. OSCAR H. BRUEGEL. Hours 9 to 11 a. m.; 2 to 4 and 7 to 8 p. m. Agricultural College, Mich. Citizens phone 1502.

PLUMBERS.

SHIELDS & LEADLEY. Plumbing and Heating. 300 Wash. Ave. N., Lansing. Both Phones.

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J. H. LARRABEE. Base Ball Goods, Foot Ball Goods, Tennis, Golf, Guns, Ammunition and Fishing Tackle. 325 Wash. Ave. S.

College work closes Friday, June 16. Commencement occurs Thursday, June 21, instead of June 22 as stated in the catalog.

B. A. Hills, '88-'91, (a) of Port Huron, called at the College Monday. Mr. Hills is a prominent seed grower.