

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 12.

LANSING, MICHIGAN, TUESDAY, NOVEMBER 6, 1906.

No. 8

## M. A. C. 37 --- ALBION 0

M. A. C. is certainly keeping up her record in football as shown by the result of Saturday's game. Fully 1,200 people witnessed the game and the day was ideal for playing. The band made their first public appearance, and their music was certainly appreciated, as it added materially to the enthusiasm of the rooters.

The forward pass was very effective throughout the first half. Small kicked four of the five goals and made two fine drop kicks from field. This is the first time that an attempt of this kind on our own field has been successful. For M. A. C. Capt. Doty's line bucking was a feature as was also his excellent interference. Small, Dunlap, Shedd, Boyle and McKenna all starred in advancing the ball, while Burroughs and Moore were strong on defence. The latter not only playing his position, but making himself generally useful as tackle and guard as well.

One of our touchdowns was made, after a long run, by Doty, on a delayed pass.

For Albion Saunderson's kicking was a feature, the last half especially being a kicking duel between himself and Small. Merrill, on defense, was practically the only man who did us much harm. He broke through time after time and spoiled the plays back of our line, thereby stopping what would have meant long gains.

M. A. C. fought her game in the first half, rolling up 27 points. In the second more kicking was done, but a touchdown, goal and field goal were added to the already good sized score. In spite of the fact that Dersnah had been on the sick list for some time, and Moore, Burroughs, McKenna, and Frazer were

not in the very best condition possible, every man came out of the game in excellent shape. Dersnah and Parker were succeeded in the latter part of the game by Frazer and Wheeler. Doty secured 3 touchdowns, Shedd 1, and Dunlap 1. Small kicked 4 goals and added 8 points by drop kicks. Thirty minute halves were played. The line up:

M. A. C.		ALBION
Moore	C	Skidmore
Parker	R G	Gilbert
Campbell	L G	Towsley
Dersnah	R T	Sackett
Burroughs	L T	Merrill
Dunlap	R E	Day
Shedd	L E	McKale
Boyle	R H	Crowley
McKenna	L H	Hays
Doty	F B	Titus
Small	Q	Saunderson

The team goes to Albion for a return game on Saturday, but they do not expect to take much of a crowd. So far as possible subs will be played at this game in order to have the first team men ready for the hard game on Monday, the 12th, with

ALMA.

This promises to be one of the most critical games of the season. They furnish the only team which has been able to stop our offense and during the whole season have been noted for their fine defensive work as well. Their line has not been crossed for a touchdown this fall. From the fact that our own team will not be in as fresh a condition as could be expected if they had no game on Saturday, there is great interest being taken in the coming contest.

## AMERICAN MAGAZINE.

With the October number of the *American Magazine* (Leslie's) a new editorial management begins its work. The associates in this venture are all writers of national reputation, among whom are Ida M. Tarbell, Ray Stannard Baker, F. P. Dunne, Lincoln Steffens, and William Allen White, excellent engravings of each being printed in this number. Full page engravings are also given of the president's cabinet officers, and as a whole it is a most excellent magazine. In speaking of Mr. Baker as one of the associates the editor says: "The one man of our group who sees a story in everything is Ray Stannard Baker. He has been called the best reporter in America. That means that he has an eye that sees what there is in things, \* \* \* and when Mr. Baker has seen, examined and judged, then you feel confident that you are getting a true account. His unquenchable curiosity, and his perception of what is interesting and significant, are certain to help in giving distinction to this magazine."

## Y. M. C. A.

The recent visit of Messrs. Hurrey and Rogers was a very successful and profitable one indeed. Something like three hundred men hearing Mr. Hurrey at the various meetings and not a man of them but what was greatly benefited thereby. We sincerely hope and expect that there will be a big increase in the Bible study and membership of the association. But more than that we hope that the general, moral and religious tone of whole school will be improved because of the visit of these men.

The mass meeting held in the chapel Friday noon was attended by about 200 students. Director Brewer and Capt. Doty were the speakers and both dwelt upon the fact that consistent rooting on the side lines was what the team needed and remembering that our opponents may have a man just as good as ours, students should not knock and score a player if he did not do all they expected of him. It is different when you are in the thick of the game yourself.

## ERO ALPHIAN HOP.

The members of the Ero Alphan society entertained their friends at an eleven o'clock party, Friday evening October 26.

Dancing took place in the gymnasium of the Women's building and cornstalks, autumn leaves and Jack-o'-lanterns were used in decorating. The refreshments consisted of cider and doughnuts. Music was furnished by Baker.

Miss Jones very kindly acted as chaperon and the forty couples present voted the evening a success.

Among the out of town guests were Miss Maude Atkinson and Miss Lelah Burkhart.

## THE NEW DAIRY CLUB.

Two dozen students of all classes met in the class room of the dairy building last Wednesday evening and after an interesting talk by Instructor F. O. Foster, on The History of and Some Statistics concerning Dairying, proceeded to the organization of a dairy club. Articles and by-laws were adopted and the following officers were elected for the term: Pres., P. V. Goldsmith; Vice Pres., W. B. Liverance; Sec. and Treas., J. D. Baker.

The goodly attendance and enthusiasm displayed by those present seems to indicate that this club bids fair to become one of the leading organizations on the campus.

Meetings will be held every Wednesday evening at 6:30 and good programs will be arranged for each night. All interested in dairying are invited to attend.

## FARM NOTES.

A carload, consisting of 100 head of sheep, has just been received at the College from Clay, Robinson & Co., of Chicago. Sixty of these are ewes, the balance wether lambs. The entire lot is to be used for experimental feeding purposes. The ewes are to be divided into two bunches of 30 each, and they are to be maintained under exactly similar conditions for two or three years. All food factors in the ration are to be the same except that there is to be a succulent factor as roots in the ration of one and not in that of the other. The object is to determine what effect succulent food, such as roots, have on quantity and quality in wool production, size and vigor of lambs at birth, and milk production as determined by the rapidity of increase in the weight of lambs.

The wether lambs will be fed for 90 or 120 days, the idea being to fatten them for slaughter. They will be shorn before slaughter to determine the weights of fleeces and the quantity and character of the mutton will be determined as far as possible after dressing. The rations for these two, as in the first case, are to be alike except that one is to contain a succulent factor. It is the intention to continue these series of experiments for at least three years, the idea being to repeat in order to insure accuracy of results.

## ALUMNI.

'78.

A report of the Agricultural Investigations in Alaska for 1905 has been received. The work was prepared by C. C. Georgeson, special agent in charge of Alaska Experiment stations, and contains reports of each of the four stations located in that territory. The bulletin contains several excellent illustrations, and it is both interesting and surprising to know what may be done in agriculture in that far off territory.

'98.

Fred T. Williams, '98, who for five and one-half years has been city engineer of Petoskey, has recently accepted a position as assistant superintendent with Cobbs & Mitchell, who manufacture and deal extensively in lumber products. Mr. Williams' probable duties may be imagined from the fact that his employers have 56 miles of standard gauge railroad and get out thirteen million feet of logs per year, besides large amounts of cord wood, bark and cedar. This company is said to have timber in sight for thirty years at the rate mentioned above. The firm's headquarters is Cadillac, Mich., but Mr. Williams writes from Springvale.

'02.

D. W. Smith has accepted a position in the maintenance engineering office of the People's Gas Light and Coke Co., Chicago.

Announcements have been received of the marriage of John B. Strange with '02 and Miss Evelyn Reidsema, of Hot Springs, Ark., on Thursday, Nov. 1. Mr. and Mrs. Strange are at home to their friends at Cloverdale Farm, Grand Ledge, Mich.

'05.

Sherwood Hinds, instructor in 1905-'06, is this year instructor in mathematics at the University of Kansas, Lawrence. His address is 1232 Ohio Avenue.

With '07.

Arvilla Coomer is teaching at Hessel, U. P., on the north shore of Lake Huron.

'08.

Dear Editor:—Since Sept. 10, I have been employed as assistant chemist for the Empire State Sugar Co. My work here is interesting and I enjoy it very much. James Paton, who took special work at M. A. C. in '03, is the head chemist here this year so between us we try to give the college a fair representation. The RECORD is a very welcome visitor every Thursday and it enables me to keep up with the times at M. A. C. My address is 90 Water street, Lyons, N. Y.

JOE CAVANAGH.

Ask McMillian '10 about the "things" they offer for sale at the 5 and 10 cent store and where they keep them.



# THE M. A. C. RECORD.

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COLLEGE YEAR BY THE  
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B. A. FAUNCE, MANAGING EDITOR

ASSOCIATE EDITORS.

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TUESDAY, NOV. 6, 1906.

IN speaking of the election of G. L. Sumner as president of the M. I. A. A. board of directors, and Wendell A. Odum as president of the State Oratorical Association, the Albion College *Pleiad* has the following to say: "These honors, coming at a time when important changes in existing rules are being discussed in both organizations, should be peculiarly gratifying to Albion supporters."

As a matter of fact these "honors" come to the colleges in rotation, each being represented once in six years in the M. I. A. A. and once in nine years in the Oratorical. In view of this the RECORD can hardly see any significance in the choice so far as "important changes in existing rules" is concerned. It was *Albion's turn* and she couldn't help it if she had cared to do so.

## LIBERTY H. BAILEY.

Excerpts from an address before the Hort. Club on Oct. 31, by C. W. Garfield:

"In making an estimate of his (Prof. Bailey's) character and influence, my first thought is of his rugged honesty, because this lies at the foundation of his service to the world. This attribute of character has shown itself from early boyhood in all his relationships and stands out as a salient feature of all of his best work. Do you know, do you appreciate what it is to be absolutely honest in the interpretation of nature? Read any of the popular books of today on nature study, and note how the imagination has played havoc with the truth. Only a small minority of the writers who have intended to interpret nature, have been honest with her. But no careful student of nature will have a criticism to make upon Bailey for any lack of integrity, whenever he has been the interpreter of the ways of animals and plants, to his auditors or to his readers. Do you know how difficult it is to be perfectly honest in the performance of experiments in agriculture or horticulture? The result you want, the result you look for, influences you more than you know in your methods of reading the facts of the experiment. Prof. Bailey's record, through many series of experiments which he has insti-

tuted, and in some conclusions which he has drawn and placed before the public, is remarkable because of this absolute integrity in interpreting to the world the truth as evolved by his experiments.

My second thought with regard to Prof. Bailey is his lucidity of expression, his gracefulness of language and his wonderful command of the best English. This factor must have been born with him or else developed in very early life, for in his boyish essays before the local horticultural society of South Haven, the ease with which he expressed himself and the natural flow of language in the development of his thought, was a prominent characteristic. During his college career this factor was of great value to him, and through the use of his pen he began very early in life to add to his exchequer as a public speaker, this ready expression, this beauty of language gives a charm to his utterances which stays with his auditors and which conveys his thought in a way to arouse appreciative emotions.

When I first knew him he expressed the desire to become an educated horticulturist, and to increase his knowledge and power for the uses of horticulture. He desired to be a factor in the development of a higher order of horticulturists. He believed it was worth the while for any man with such tastes to give his lifetime to the development of this art.

Many have the ability to acquire, but few have the ability to use acquisitions for all they are worth in accomplishing the best kind of work in some field for the world. Prof. Bailey is one of the few. From his early boyhood he had a wonderful ability in the use of his senses. He saw things correctly and well; he has always been seeing things; he never fails, wherever he may be, to be gathering material through his powers of observation to be used in a most effective way in his chosen field of labor.

If we were to make a category of Prof. Bailey's accomplishments during his career, it would be a long and interesting one. Suffice it for this brief address to say that from the beginning until now he has contended for a dignified, independent and aggressive horticulture. All the force of his strong character has been exerted in the belief that horticulture as an occupation was large enough and important enough to stand evenly with any other occupation in the world.

There are men of my acquaintance who are better fruit growers than Bailey; there are men engaged in landscape gardening who are able to express in their art greater definiteness of ability than Bailey; there are experimenters who have outstripped him in this realm of horticultural evolution; in truth, take any one of the branches of horticulture, and we can name some man who, perhaps, has outstripped him. But in covering the whole field of horticulture there is no person, to my mind, in the world today who is so truly entitled to be called the first and greatest horticulturist. Professor Bailey is a premium sample of the best crop that Michigan produces."

Crushed stone is now being placed on the road immediately west of the library. It is thought that there will be enough stone to extend the covering as far as the Armory.

## FARMERS' CLUB.

A large number was out last Tuesday to hear J. G. Halpin speak at the Farmers' Club on "Commencing Poultry Farming". The speaker showed that the states of Massachusetts, Rhode Island and Connecticut though considered leading poultry states of the east, imported \$6,000,000 of eggs last year and it is quite easy to see that the cheaper grain and increasing ease of transportation is greatly stimulating the business in the western states. But the lack of knowledge in preparing eggs and poultry for the market has held the prices of western products far below that of eastern goods.

Mr. Halpin advised the novice to get a few standard birds for a beginning rather than to buy eggs, as it gives the beginner a chance to form his ideal from stock that has been properly fitted.

## SENIOR ENGINEERING SOCIETY.

Mr. Schmidt, of the mechanical department, addressed the Senior Engineering Society Wednesday evening on "Steam Turbine," giving a very interesting description of the different types now in commercial use. The subject is a broad one and could not be completely covered in the time allowed.

Mr. E. B. Fisher, president of the G. R. Telephone Company, who could not be here two weeks ago, has definitely promised to address the society this week Wednesday on "The Commercial Aspects of Telephone Engineering." Every one interested is invited.

## FORESTRY.

The M. A. C. Foresters met in the horticultural lecture room on last Tuesday evening at 6:30. The subject, "A Summer's Experiences on the Michigan Forest Reserve," was very ably handled by Mr. Kiefer. Mr. Kiefer gave the club a very interesting and instructive talk on the methods and plans used in the reserve, especially relating to the surveying and mapping of the land. Also an appropriate description of camp life was given. During the talk kodak pictures were passed around to illustrate the various points brought out by the speaker. Mr. Kiefer demonstrated very plainly that a summer spent upon the Roscommon reserve is a valuable experience for forestry students, especially if they expect to take the civil service examination.

The new programs of M. A. C. Foresters are the "latest out." They are printed upon Spruce wood pulp which was made by the Sulphite process. This is in the next to the last stage of development and in order to be made into paper must again be chopped up fine and mixed with rags, the quantity varying according to the quality of the paper.

The next meeting of the club will take place Tuesday, November 13. Prof. Barrows will talk on "The Relation of Game Preservation to Forest Preservation."

The Forestry club shall hereafter meet in the lecture room of the horticultural building on Tuesday evening of every other week. All those interested in Forestry are especially invited to be present at these meetings.

## FARMERS' INSTITUTES.

The following Farmers' Institutes have been arranged for the month of November: One-day institutes in Baraga Co., Baraga, Nov. 13; Houghton Co., Houghton, Nov. 12; Delta Co., Perkins, Nov. 14; Dickinson Co., Iron Mountain, Nov. 10; Gladwin Co., Dale, Nov. 13; Beaverton, Nov. 14; Grout, Nov. 15; Wagarville, Nov. 16; Oceana Co., Ferry, Nov. 13; Elbridge, Nov. 14; Mears, Nov. 15; Benona, Nov. 16; Cranston, Nov. 17; Crystal Valley, Nov. 19; Schoolcraft Co., Wood School House, Doyle Township, Nov. 15; Germfask, Nov. 16.

Two-day institutes will be held in Jackson Co., Hanover, Nov. 8 and 9. Chippewa Co., Pickford, Nov. 15 and 16; Iron Co., Iron River, Nov. 9 and 10; Menominee Co., Stephenson, Nov. 8 and 9; Ontonagon Co., Ewen, Nov. 12 and 13.

During the past week the Gila monster, which was on exhibition in the Zoological Department alive for several months, has been received from the taxidermist and placed in the museum. It is an excellent illustration of the highest type of artistic taxidermy the lizard having been studied alive, measured, photographed, and finally mounted so as to preserve every wrinkle in body and limbs and present a perfect facsimile of the living animal. The work was done at Ward's Establishment, Rochester, N. Y. This reptile is believed to be the only species of poisonous lizard in existence and there is still some doubt as to the degree of venom in its bite. With this specimen was returned a nice example of the starnosed mole, mounted at the same place but donated by Instructor Myers, whose cat captured the animal last June close to the campus. This appears to be a rather rare animal here, not more than half a dozen specimens having been noted in the last twelve years.

During Professor A. J. Cook's visit to the college last August, Professor Barrows arranged for an exchange of specimens between our museum and that of Pomona college, Claremont, California, where Prof. Cook has charge of the zoology. On Friday last a box of specimens was shipped to California and others in exchange are probably already on the way east. Among these is a good specimen of the California condor, a species now extremely rare and for the past decade or two believed to be on the verge of extinction. The college is fortunate in obtaining such a specimen, and the fact may be attributed in large part to the interest which Professor Cook still maintains in the institution where he was so long a professor.

The botanical department has received about 100 shrubs and trees from the Arnold Arboretum. This is the finest of its kind in the country and perhaps in the world. It is managed by Prof. Sargent, of Harvard, and is located at Jamaica Plain, west of Boston, and is considered a part of the park system of that city. As an aid in making it permanent the city of Boston has agreed to keep the streets and paths in order, and Harvard will look after the trees and shrubs. The arboretum contains about 220 acres.



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**ABOUT THE CAMPUS.**

Mr. and Mrs. Foskit from Albion visited their son, Glenn, last week.

H. F. Tuttle of Detroit spent a day or two at the college recently.

Miss Clara Morley spent a few days with College friends the past week.

A motor has been installed to drive the blower in the cupola of the foundry.

Miss Helen C. Albertus of Detroit entered college on Saturday of last week.

Many of the delegates at the C. E. convention in Lansing last week visited the campus.

Mr. R. A. Parsons of St. Clair was the guest of his cousin, W. H. Parsons, over Sunday.

Wallace Bliss, with '09, is "breaking in" as conductor on Lansing's street car railways.

C. J. McCarthy received a visit from his father, John J. McCarthy, of Standish, over Sunday.

R. P. Heald was called to his home in Grand Rapids one day the past week on account of illness.

All machines in the shops are now driven by electric motors, the steam engines being used for laboratory work.

Miss Trout, from the Lansing Y. W. C. A., gave the girls a very helpful talk Sunday evening in the parlor.

W. B. Liverance, '07, was in Pontiac Friday, where he tested the dairy herd of the asylum for advanced registry.

Roy Colby who has been in the hospital last week received a visit from his father and mother of Cornua, on last Monday.

Miss Bently, formerly stenographer in the president's office, is spending the winter at her old home in Pittsfield, Illinois.

Rev. W. J. Hamilton, pastor of a Congregational church in Grand Rapids, was on the campus for a short time on Friday.

The new telephones are being rapidly put in and connected up and as soon as the numbering is done we may "begin to talk."

Student pay days will be next Friday and Saturday, Nov. 9-10. All time up to and including Nov. 3 will be paid for on these dates.

Among those who were here for the ball game Saturday were Ada Howe, Clara Campbell, Ray Potts, "Babe" Kratz and Howard Baker.

Instructor McCue has been appointed dormitory inspector in place of Prof. W. O. Hedrick, who has had charge of this work for several years.

Will all students who left their insect collections with the zoological department last summer please call and get same at the first opportunity.

Prof. Fletcher has sent manuscript and illustrations for a book on soils to the publishers, Doubleday, Page & Co. The work will be published early in the spring.

James Wilkinson, who has been working during the summer near

Charlevoix, paid College friends a brief visit a few days ago on his way to Detroit, where he has a position.

A number of lamps of large candle power have been purchased and placed in the electrical engineering laboratory, college hall, as suggestions of what can be done in the way of lighting.

Prof. Kedzie has received from Mr. W. F. Wright, '94, of Washington, D. C., a very fine set of prints showing views of the campus. These were taken by Mr. W. while on a visit here during the summer.

W. W. Wells, Instructor in Engineering at M. A. C. during the past two years is now with E. W. Roberts at Clyde, Ohio. Mr. Wells is at present designing a four-cycle engine to be used for marine service.

The senior engineers are getting some very practical laboratory work this term. Each man is to spend one and one-half hours in the morning and two in the evening for two weeks in the heating plant studying boilers and engines.

Superintendent Clarence Holmes, of the School for the Blind, gave very interesting talks at chapel Tuesday and Wednesday mornings of last week. He explained briefly some of the methods employed in teaching the blind, and exhibited some specimens of work done.

The next Military hop will be given on the night before Thanksgiving. This is to be a twelve

o'clock party and the officers will spare no effort to make this one of the most successful militaries ever given. Baker's orchestra of nine pieces will furnish music and prices will be \$1 and \$1.50.

Mr. Fisk, Bureau of Entomology Dept. of Agriculture, Washington, was at the college Wednesday to consult with Prof. Pettit concerning certain insects which are proving very destructive in the north and to arrange for co-operation in his investigations and in an endeavor to find remedies for same.

During the past week Miss Perry and Miss Carney have had overnight visits from their mothers. Mr. and Mrs. Van Heulen, of Grand Rapids, have also been with us for Sunday and Mrs. Johnson of the same place is making a stay with her daughter. We are always glad to see the parents of our students.

Owing to some confusion of dates some of the debaters failed to appear at debating club Thursday night. As a result, the question of co-education at M. A. C. was discussed extemporaneously. The discussion was not confined to M. A. C. alone but to other colleges and the ideas brought out were very interesting, as well as instructive. A vote at the close of the discussion assured all present that co-education at M. A. C. was the opinion of a majority.

The question that was to have been debated will be debated at the next meeting.



Those who expect to see the Alma game on next Monday are urgently requested to purchase tickets in advance so that you may be sure of a seat. If you wait until the game and purchase a ticket at the gate you cannot be sure of getting a place. You want to go anyhow—why not be sure of a good seat.

Instead of holding their usual literary meeting the Theman society was entertained last Saturday evening at the home of Prof. and Mrs. Taft. The rooms were decorated with autumn leaves and jack-o-lanterns. There were the usual Halloween games, including fortunetelling by a witch who was kept busy all the evening. The refreshments were doughnuts, pumpkin pie, cider, apples and chestnuts.

A. A. Towner writes from Janesville, Wis., that he expects to return to Michigan about the middle of December and enter M. A. C. for the winter term to take up work with Prof. Jeffery. He enjoys his work as best chemist very much and since being there has been able to visit our M. A. C. boys both at Milwaukee and Wisconsin.

Prof. Fletcher's name appears on the program of the Wisconsin State Horticultural Society, the annual meeting of which is to be held in January.

There is no educational institution in the state that furnishes its students so much practical work in all lines of study as does the Michigan Agricultural College. From time to time, as we have space, we propose to let our readers know what is being done by our boys and girls, and for them, at this college, which ranks first in the world of agricultural colleges.—*Elk Rapids Progress.*

## NEW ADDITIONS TO THE LIBRARY.

American Institute of Electrical Engineers: Vols. 1-22.

Alexander—The Table, How to Decorate It.

Abbot—The Rights of Man.

Abegg—Practical Chemistry.

Brace—Culture of Fruit Trees in Pots.

Borden—Use of Rontgen Rays in U. S. Army.

Bunyard—Fruit Garden.

Cassino—Naturalists Directory.

Compayre—Abelard (Great Writers Series).

Comstock—How to Know Butterflies.

French—Homes and Their Decoration.

Freer—Philippine Experiences of an American Teacher.

Fletcher—How to Make a Fruit Garden.

Grisebach—Catalogus Plantarum Cubensium.

Goodnow—Administrative Law in the U. S.

Harken—Paul and Fiammetta.

Harrington—Practical Hygiene.

Hilgard—Soils.

Jones—Mrs. Jones' Defense.

Jastrow—The Subconscious.

Kellogg—American Insects.

Lethaby—Medieval Art.

Loeb—Dynamics of Living Matter.

Lyons—Electromagnet Phenomena.

Morgan—Physical Chemistry for Electrical Engineers.

Minet—Production of Aluminum.

Extracts from a letter written by F. M. Morrison, '04: "During the summer I spent some time in New York City and Philadelphia. Since I came here (Schenectady, N. Y.) I have chatted with a few M. A. C. boys. First, Herbert Hagadorn '98 called at the high school to see me. He is superintendent of construction for the Schenectady St. Railway. A few days later I met George Stroebel, '02, who is draughting with the General Electric Co. here. A few days later I met a former strong member of the M. A. C. ball tossers in the person of Ed. Pinnance, who, with Millar, were without doubt the best in the intercollegiate. He is now pitching for the Albany team and has lost only two games this season. The latest college man here is Floyd W. Ray with '07. He was the applicant decided upon as my assistant in Manual Training. He took the course as given in the Rochester (N. Y.) Mechanics Institute, and after completing this work taught evening classes for two years.

"As to myself, I am in charge of the mechanical drawing in the high school, and the manual training of all the schools in the city. The schools are in a very crowded condition. They do not seem to be able to build fast enough to accommodate the rapid growth of the city which has increased in population from 16,000 in 1890 to an estimated 72,000 at present.

"Of the incoming freshmen class, about one-third have elected mechanical drawing. The work is now well started and running smoothly in every way, and they are talking of erecting a Manual Training High school. Remember me to any of my friends."

On Halloween a house party was given at the Women's building. Dinner was served at six to a hundred and twenty ghosts. Each table was decorated with jack-o-lanterns and tiny candles. Fates foretold the future by means of pennies, rings and buttons found in the cakes. The ghosts were very glad to have with them Prof. Taft and Mr. Charles Garfield, a man well known to all M. A. C.

After dinner the ghosts gathered in the gymnasium and those not content with their pennies learned more of their future through mysterious papers handed to them. Time passed all too quickly and at eight the ghosts very reluctantly became ordinary girls again.

Miss Hallie Landis, student secretary of De Pauw University, was the guest of our college Y. W. C. A. last week. During her visit she spoke at the college assembly, and also addressed the college Y. W. C. A. In her address Miss Landis outlined the plans of the convention to be held at Kalamazoo next week, urging the girls to send as many delegates as possible. The visit was a help and inspiration to our society.

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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.

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### CLOTHING.

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### CROCKERY AND GLASSWARE.

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

### DENTISTS.

A. F. GORDON, D. D. S. M. A. C. '91, U. of M. '01. 218 Washington Ave. S. Phone, Citizens 68.

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, 261.

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J. J. HEATH. Practical Jeweler. 112 Washington Ave. south.

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THE AMERICAN LAUNDRY solicits a share of your patronage. Remember the number, 309 Washington Ave., S. New Phone No. 420. Julia Findley & Edwin Lewis, Props. S. W. Doty and I. D. Smith, College Agents.

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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. 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. New 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.

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