

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 15.

LANSING, MICHIGAN, TUESDAY, APRIL 19, 1910.

No. 28.

## ALUMNI TRIENNIAL.

The local alumni of M. A. C., numbering about 40 persons, held a meeting on Wednesday evening, March 23, and organized for the purpose of preparing for the coming meeting in June. Committees were appointed to look after the matter of invitations, transportation, lodging, badges and registration, and alumni dinner. Wednesday, June 22, was chosen as the most suitable date for the assembling of the alumni. The personnel of the various committees is as follows:

### BANQUET COMMITTEE.

Floyd Robinson, chairman.  
C. B. Collingwood.  
H. L. Kempster.  
Mrs. Bessie Baker.  
Grace Taft.

### INVITATION COMMITTEE.

F. S. Kedzie, Chairman.  
A. C. Bird.  
Dewey Seeley.

### REGISTRATION AND BADGES.

A. C. Anderson, Chairman.  
Mrs. Jessie Baker.  
Kate Coad.

### TRANSPORTATION COMMITTEE.

Warren Babcock, Chairman.  
Luther Baker.  
M. L. Towar.

### ACCOMMODATIONS COMMITTEE.

H. J. Eustace, Chairman.  
H. S. Reed.  
W. H. Parker.  
Zae Northrop.

## A HOLCAD NIGHT.

On Friday evening of the present week at eight o'clock Sheridan's great comedy, "The School for Scandal," will be presented in the armory by the college class in dramatic work. The proceeds of the evening's performance will be turned over to the *Holcad*, and it is hoped that it may be sufficiently large to enable the paper to liquidate its indebtedness.

### THE SCHOOL FOR SCANDAL.

#### Cast of Characters.

Sir Peter Teazle....Mr. Dimmick  
Sir Oliver Surface....Mr. Hayes  
Joseph Surface....Mr. Van Horn  
Charles Surface.....Mr. Hoch  
Crabtree.....Mr. Shanor  
Sir Benjamin Backbite.Mr. Knapp  
Rowley.....Mr. Frey  
Moses.....Mr. Knablanck  
Trip.....Mr. Schloss  
Snake.....Mr. France  
Careless.....Mr. Schloss  
Lady Teazle.....Miss Frazer  
Maria.....Miss Crafts  
Lady Sneerwell.....Miss Felton  
Mrs. Candour.....Miss Lee

Prof. Myers' mission study class will have charge of the Union Meeting Sunday evening. Conditions in China will be the subject discussed.

## MAY FESTIVAL.

The annual May Festival will take place this year during the afternoon and evening of May 27. The production, Gounod's Faust, will be a departure from the entertainments of recent years, it being an opera instead of an oratorio. The music will, therefore, be of an entirely different character, and something which will perhaps be better enjoyed by the general public than an oratorio. The chorus is without doubt the best it has ever been, and will be in readiness for the event.

### SOLOISTS.

Mr. Howland, of Ann Arbor, has been secured as baritone. Mr. Howland is head of the vocal department at the University School of Music. Others to assist at this time are: Mr. John B. Miller, tenor; Miss Jessie Lynde Hopkins, contralto, and Miss Sibyl Sammis MacDermid, soprano.

We hope to be able to present half tones of the various soloists later, and also a more extended announcement of the Festival.

## BOX SOCIAL.

All of you who were unable to attend the box social held in the new Agricultural building Friday night had better ask your more fortunate friends to tell you about it. The band deserves much credit for its addition to the spirit of the affair, and all made merry until the Hon. J. Oliver Linton ascended to the auctioneer's stand, when the usual quiet (?) prevailing an auction sale made itself manifest. After the rush for front seats, the auctioneer proceeded to dole out, in his characteristic way a lunch for each couple, put up by the "demure damsels of the dean's department." Coffee and doughnuts were served on the side (right side). Everybody went home well acquainted and happy with their new acquaintances.

### UNION MEETING.

The union meeting Sunday evening was addressed by Miss Taft, traveling secretary of the Student Volunteer Movement. Her topic was "Life's Work," and the interest displayed in the development of this topic shows with what sincerity she has chosen her life work. She showed us who should go to heathen lands and where to go. The need of volunteers in China was shown by citing New York, which has 7,000,000 population, while China has 400,000,000 more, and there are just as many religious workers in China as in New York.

O. K. White, field agent in horticulture, is an exceedingly busy man these days, holding demonstration meetings in apple orchards in various parts of the state. He meets those who are interested in fruit growing and demonstrates approved methods of pruning, spraying, etc. His services are very much in demand.

## HORTICULTURAL CLUB.

The first meeting of the Hort. Club for the spring term was called to order by the new president, Mr. C. E. Smith. The meeting was turned over to Prof. Gunson, who, after a few remarks, introduced the speaker of the evening, Mr. F. B. Johnson of the class of '72. Mr. Johnson spent the past winter in Florida, studying the orange industry and gave us a very interesting talk on this phase of Florida life. He says that altho the weather is very warm during the summer, it is preferable to the cold of the Michigan winters.

The oranges are ready to pick from Nov. 1 to Jan. 1, thus having ripe fruit on the tree at the same time that it is in bloom for the next crop. The trees are grown on the poor lands, the growers using fertilizers to produce the crop. The groves of Lake county are among the best in the state. Occasionally smudge pots have to be used to insure the crop against frosts. This, however, is of minor importance when compared with the white fly nuisance. This pest is the most serious drawback to the industry. The trees become so blackened by the sooty fungus which grows on the honeydew secreted by the flies, that all the fruit has to be scrubbed before it can be sold. There seems to be no remedy which can be used against the pest, although the government is making every effort to find one. Grape fruits are not as susceptible to the white fly, and many people are now raising them instead of oranges.

After a lively question box several varieties of apples were served and the club adjourned by giving Mr. Johnson a rising vote of thanks.

Dr. Marshall will address the meeting on next Wednesday evening at 6:30. Everybody is cordially invited.

## CROSS COUNTRY.

The cross country run was pulled off Saturday, and the four-mile run was made in 21 min., 56 1-5 seconds. The first eight men finished in order as follows: Chamberlin, Rosen, R. A. Warner, A. E. Warner, Mooney, Begeman, E. C. Sanford, Westveldt. The first three men received the regulation C. C. jerseys.

Next Saturday we have our dual cross country run with Olivet. M. A. C. will be represented by Tillotson, Perkins, Geib, Chamberlin, Rosen and the Warner Brothers. While M. A. C. won at Hope, the race was really between Olivet and M. A. C. Olivet will have the advantage Saturday of running over her own course, so that the race should prove a close one.

Recent officers in the military department at M. A. C. are I. D. MacLachlan, Lieut. Col.; E. P. Bushnell, Major; and B. E. Hoffman, C. H. Ponitz, N. Van Horne, and C. W. McKibbin, Captains.

## ALUMNI

'89.

Alexander Moore, of the class of '89, was a college visitor one day the past week. Mr. Moore is a prominent lawyer of Port Huron, and was on business in Lansing. He noted many changes, but said "Old Williams" looked natural and, even though 21 years had passed since his graduation, he remembered distinctly where the unsafe places were—viz., under certain windows.

'96.

Dr. Frank F. Stephenson, of Detroit, was a college visitor recently. Dr. Stephenson is associated with a company which is planning the erection of a mausoleum for the disposal of the body by a new method drying process. The method consists in placing the body in a crypt through which, by chemical means, a current of dry air passes removing every particle of moisture and causing perfect preservation. It is stated that in New York City alone 55 acres are required annually for interment purposes and it is to meet a demand for a change of method in caring for the dead that companies of this nature are being formed. Dr. Stephenson, who made the trip in his automobile, came to Lansing to present this matter before the State Board of Health.

'04.

### A LESSON IN CHEMISTRY.

Washington, D. C.,  
April 6, 1910.

*Moisture Determination.*—Confine the chemist to Lansing for ten months of the year. Avoid contact with Stroh and the Downey—they are hygroscopic and will introduce serious error.—*Herman Schreiber.*

'06.

J. G. Cavanagh, civil, is now assistant in the bridge office of the New York, Chicago and St. Louis Ry. Co., at Cleveland, Ohio. In speaking of salary, Mr. Cavanagh says, "I got what I asked for." His work is principally computation of strain sheets for plate girder bridges. Wilhelm Neilson, also of '06, is in the same office. Mr. Neilson has been ill in a hospital for some time, and has only recently returned to his work. He is improving, but is not entirely well yet.

A. S. Armstrong, civil, who for several years has been engaged with the Illinois Central Railway, is now with the Bates and Rogers Construction Co. of Chicago, in charge of their work on the new Chicago and North Western Terminal. The engineering students expect to make Mr. Armstrong a visit during their trip next week.

'10.

Damon Spencer, with above class, who was obliged to drop college on account of sickness, expects to return next fall to continue his college course.



# The M. A. C. RECORD

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

B. A. FAUNCE, MANAGING EDITOR

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, APRIL 19, 1910.

## HOWARD KYLE.

Mr. Howard Kyle, who plays the part of Manson in "The Servant in the House," addressed the students of the advanced English classes, together with a number of visitors from Lansing and East Lansing, on Tuesday afternoon, April 12. His subject was "The New Theatre and the Newer American Drama."

For an hour he held the closest attention of his audience as he told of characteristic incidents from the experiences he had had with Mr. Clyde Fitch, Mr. Bronson Howard, and other dramatists. In a most telling manner he epitomized bits of life that had been woven into recent plays, showing how the actual became the literary. Further, he outlined the advantages that would come to the nation from the new theatre, should it be conducted upon the right lines. All in all, his address was most profitable and most interesting.

A large part of the afternoon audience attended the play in the evening, and all the more enjoyed Mr. Kyle's artistic, effective presentation of Manson because they had come into a kind of personal touch with him in the afternoon.

## FORESTRY LETTER.

The following was taken from a letter received from one of last year's seniors in the Forestry course, who took the civil service examination and is now in Utah:

"Two days after arriving in Ogden in July, I was assigned to a reconnaissance party, working in the Manti forest in central Utah. Our work here consisted principally in estimating timber, although nearly an equal amount of time was spent riding around trying to find the timber. The forest growth is mostly Engelmann spruce, Douglas fir, and White fir, with a few scattering western yellow pines. I was on this work for four weeks and was then assigned as technical assistant on the Fillmore and Esvier forest. The rest of the summer was spent in examining cut-over lands, mapping burns, etc. I find that it takes a long list to enumerate the different arts and sciences of which a forest assistant is supposed to be master, or at least to know something of.

On January 15th a party of six of us, made up of two Yale men, one Pennsylvania man, one University of Michigan man, one practical timber cruiser and myself, were sent down here to the Kabab forest to estimate and map timber. This forest is a large plateau of over a million acres, situated just north of the Grand Canyon and south of

the Utah-Arizona line. It used to be the Grand Canyon North Forest. The plateau has an elevation of seven to nine thousand feet, and is thickly covered with a fine stand of yellow pine. In the higher elevations, considerable spruce and fir are found. The six of us had to carry four thousand pounds of provisions eight miles to get in here. We used snow shoes for the first three weeks of our work. The forest is unsurveyed and so the first thing we have to do is to run our own township lines. Our medium we run with a transit, but the other lines we run by the compass. We do not attempt to sectionize, but merely to run to the boundary and one line east or west and through the center of each township. In estimating we run through the center of a 1/4 section, a line two chains wide from one line to the center line. We go east or west 1/2 mile and back three miles through the opposite quarter of the same section. One man runs the compass and takes topography while the others estimate. In this way, we cover five per cent. of the total area. This work is being carried on more thoroughly than what the geological survey did over this same area. It is slow work, for it takes so much time to run the lines, but we are plugging away every day and hope to finish the work about next October. So far we have covered sixty sections.

M. A. C. seems to be getting along fine in the service with Kiefer and Granger forest supervisors, and lots of good chances for the others.

Every one out here is glad that the service has decided that all forest assistants are worth \$1,200 per year.

## ALFALFA WINTERKILLING.

The problem of seed to plant Michigan alfalfa fields is a very important one. The department people at Washington tell us that millions of pounds of practically dead seed is imported yearly. This and the weed problem can be controlled by the inspection work now being started in Michigan.

Laying aside the question of weeds and dead seed, there is the question of winterkilling of certain lots. The latter is just as important to Michigan agriculture as the former, but is harder to control. We need acclimated home grown seed, and the sooner we raise our own seed the better we will be off. Until that time we will have to depend on outside sources.

The Michigan Experiment Station, in its search for better seed to use as the basis of improved varieties of alfalfa, has obtained seed from 123 different sources. These have been compared side by side and given as nearly as possible the same chance.

In 1909 a number of these different lots were set out in nursery rows. The seed was sown in beds and only thrifty plants set into the nursery rows. This leaves any problem connected with weeds or dead seed out of consideration. The rows were two feet apart, and each row was planted from a different lot of seed. In the fall the stand was almost perfect. In the last of February, 1910, an ice sheet covered these rows. The results of this test are interesting.

SPRAGG.

# ATHLETICS

## OLIVET 5—M. A. C. 1.

In the first baseball game of the season M. A. C. was defeated Saturday by Olivet, 5 to 1. A rain hindered the game for a short time between the fourth and fifth inning, but lasted but a short time, when the game was resumed. Olivet showed splendid form, played good ball, and earned her victory. Of the visiting team eight men played the same positions which they played last year and were therefore in most excellent condition early in the season. They showed better team work than did M. A. C., playing an errorless game, and indeed one of the best college games ever seen here.

Our team showed exceptional promise, and judging from the game the present team will be the strongest we have had for the past five years.

TeRoller, the freshmen catcher, showed splendid form, and with a little more experience will take Capt. Crissey's place in fine shape. Raines at third, promises to be one of the best to hold that position. The balance of the team were on last year's squad, either as regulars or substitutes, and with a little more hard work will develop into strong players. The home team hit well, but ran bases poorly, and got some hard luck. Busch pitched a good game until the ninth inning, when Olivet bunched some lucky hits and made four runs. The game was much enjoyed by all and showed that we may expect some interesting contests late in the season:

The line up:

OLIVET	A	B	H	P	O	A	E
Martin, 1 f.....	3	1	0	0	0		
Royal, 2 b.....	4	0	4	1	0		
Berry, s s.....	4	2	1	2	0		
Depew, c f.....	3	1	1	0	0		
Rogers, c.....	4	1	6	2	0		
Griggs, 1 b.....	3	1	10	0	0		
Wallick, p.....	4	1	2	3	0		
Price, 3 b.....	4	0	2	5	0		
Sorenson, 1 f.....	3	0	1	0	0		
	32	7	27	13	0		

M. A. C.	A	B	H	P	O	A	E
Mills.....	4	2	3	4	0		
Rains.....	4	2	0	4	1		
Baker.....	3	0	1	0	0		
Harvey.....	4	1	2	1	0		
Cortright.....	3	1	0	2	0		
Orr.....	3	2	11	0	0		
Weston.....	3	0	2	0	0		
Te Roller.....	3	0	8	1	0		
Busch.....	2	0	0	3	0		
	29	8	27	15	1		

Runs—Cortright, Martin (2); Berry, Sanford, Rogers. Struck out—Busch, 6; Wallick, 5. Bases on balls, Busch, 1; Wallick, 2. Home run—Cortright. Three-base hit—Berry. Two-base hit—Mills, Rogers, Griggs. Umpire—Stephenson.

The team will take their only important trip of the season this week, playing at Notre Dame Thursday, Wabash Friday, and Culver on Saturday.

Lansing is to have another factory added to its already long list. The Clark Power Wagon Co., with a capital of \$500,000 and with an output of fifteen cars per day is soon to begin operation.

## M. A. C. AT AMES.

At the graduate school of agriculture to be held July 4-29, at Ames, Ia., M. A. C. is to be represented by the following men:

### GENERAL MANAGEMENT.

President Howard Edwards, for sixteen years professor of English and Modern Languages, now president of Rhode Island College of Agriculture, and Director Eugene Davenport, '78, of Illinois State Experiment Station.

### PLANT PHYSIOLOGY AND PATHOLOGY.

C. E. Bessey, '69, Dean of the University of Nebraska, and E. F. Smith, pathologist, U. S. Bureau of Plant Industry, a former instructor at M. A. C.

### AGRONOMY.

S. L. Jodidi, Experimentalist in Soils, Iowa Experiment Station, formerly connected with our own experiment station.

### HORTICULTURE.

Prof. U. P. Hedrick, '93, horticulturist of New York Agricultural Experiment Station.

W. A. Taylor, '88, pomologist in charge of field investigations, U. S. Bureau of Plant Industry.

Prof. C. E. Marshall will have charge of dairy bacteriology.

L. G. Carpenter, '79, professor of civil and irrigation engineering, State Agricultural College of Colorado, will look after the irrigation engineering work, and

K. L. Butterfield, '91, president of Massachusetts Agricultural College, will have charge of the section of Rural Economics and Sociology.

M. A. C. will certainly be well represented at the Graduate School.

## CAMPUS NEWS.

A. Crosman Pratt left Lansing April 13 for an extended trip abroad in the interest of the Seager Engine Works. Mr. Pratt will go to France and Portugal and from there to South America. He expects to be gone several months.

Oliver C. Hollister, '88, was a college visitor on Saturday of last week. Mr. Hollister owns and operates Three Oaks farm, near Laingsburg, Mich. He is the son of Charles E. Hollister, a member of the first graduating class of M. A. C. in 1861.

Dr. Beal reports that since Jan. 1, nearly 600 lots of weed seeds have been examined with the result that about 250 seeds new to Michigan have been found, and the "unknowns" number at least 75. These have been brought to Michigan in the various clovers, grasses and alfalfa seeds. A report is soon to be published giving many interesting notes concerning this subject.

Mr. Floyd Rittenour, a former instructor in chemistry, writes from Chaparral, Ariz., where he is looking after the mining interests of certain Ohio parties. Mr. Rittenour sends samples of ore from the famous United Verde mine at Jerome, Ariz., the principal owner of which is ex-Senator Clark, of Montana. He has been in that locality several months, and believes it will be one of the great mineral producing sections of Arizona.



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COLLEGE BUS HEADQUARTERS

## ABOUT THE CAMPUS

Secretary Hayes of our Y. M. C. A. is in Detroit this week working among the alumni of that city.

A. W. Walkup has left college and with his brother, John M., has purchased a farm near North Crystal Lake, Ill., where they will engage in dairy farming.

The M. U. R. expects to double track Washington ave., Lansing, during the coming summer. The double track will extend from the Grand Trunk tracks to Ottawa St.

N. L. Mattice, a student at M. A. C. two years ago, is now connected with the U. S. experiment station at Yuma, Ariz. Mr. Mattice expects to resume his college work in 1911.

Dwight S. Cole, '93, M. E., consulting mechanical engineer of Grand Rapids, was a college visitor one day the past week. Mr. Cole is an expert in machine design and improved production processes.

On account of crowded sections Instructor MacPherson's class in economics has been meeting from seven to eight in the morning. This hour seems to be a popular one as the class has been growing since the hour was changed from four o'clock.

A number of the students with Principal Rosa enjoyed a visit to Prof. Barrows' department one day the past week when they were permitted to see a fine collection of lantern slides in addition to the ever interesting features of that "up stairs museum."

The next home game of baseball will be played Saturday, April 30, with Western Reserve College.

O. C. Gregg, a law student at the University, visited his brother, Instructor Gregg of the Hort. Dept. the past week.

Mr. and Mrs. F. W. Bassett, of Champaign, Ill., who have been spending the winter here with their daughter, Mrs. Myers, left for their home April 13.

The old lake north of the Hort. building is now practically filled up and levelled off. It is planned to set out a good many varieties of evergreen trees so that first class specimens may be had for illustrative work in landscape gardening.

The Feronian Society officers for the spring term are Winifred Felton, president; Frances Moseley, vice president; Ruth Meade, secretary; Ruth Brusselbrauch, treasurer; Sophia Dodge, marshal; Florence Harrison, RECORD editor.

An interesting visitor in the person of Mr. W. Maurice of Lausanne, Switzerland, was at the college April 13. He was much interested in the various departments of the institution and stated that our campus reminded him of home, not of course on account of its mountains, but because of "beautiful surroundings." Mr. Maurice is interested, with his father, in the construction of automobiles and is visiting the various cities where these machines are built. He has been in this country over a year.

Miss Hallie Landis, state student secretary of the Y. W. C. A., has been at the college for the past few days.

Miss Lillian Shafer was ill with gripe several days the past week and was unable to be at her post in Pres. Snyder's office.

Howard Taft leaves Thursday of this week for Chicago, where he has accepted a position with the Lincoln Park Commission as landscape gardener.

Y. M. C. A. Thursday night was led by U. S. Crane. The subject, "Personal Work," was discussed with much interest, a plan of action being laid out for the coming year.

C. N. Wilson, an instructor in our mathematics department, has recently passed the civil service examination for the U. S. army and expects an appointment in June. He has resigned his position with the department to take effect immediately, and Mr. O. W. Fairbanks, '09, has been appointed to fill out the unexpired term.

In the reorganization of the Military Department three new companies have been formed and now only one is lacking to make a full regiment. This extra company will doubtless be organized next fall. This plan while decreasing the number in each company increases the size of the corps thereby giving to a greater number of men the experience of command, one of the objects very much desired by the department.

A. H. Sargent, civil, has completed his work at M. A. C. and returned to his home in Detroit. He expects to return for graduation in June.

Requests for entry blanks to the coming interscholastic meet in May are being received from high schools all over the state, and the outlook is good for the best meet ever held.

H. W. Norton, formerly assistant professor of animal husbandry at M. A. C., was here for a short time yesterday. We did not learn whether for business or for pleasure.

A \$60,000 Y. M. C. A. building has recently been constructed at the Agricultural College of Missouri. Prof. F. B. Mumford, of the class of 1890, is a member of the advisory board in this institution.

Mrs. Floyd Felt, of Emporia, Florida, is visiting her parents, Mr. and Mrs. C. F. Hammond, of Lansing. Mrs. Felt was a former student at M. A. C., and her husband was with the class of 1909.

Sergt. P. J. Cross of U. S. army has been assigned to duty at this institution and began his work with Lieut. Holley on April 8. Sergt. Cross has had a varied army experience, having served in the infantry, cavalry and engineers. His last service was as Sergeant of the Battalion of Engineers in Cuba, from which place he was retired. His duties have taken him with Gen. Crook into the west against the Indians, to the islands of Cuba, Philippines and Hawaii and Alaska.



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and braid trimmed. Regular 75c value. Special Price 50c each.  
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Men's Soft Bosom fancy Stripe and Check Shirts. Regular \$1.00  
value. Sale Price 69c each. Our \$1.50 Shirts for 89c each.

Special Sale of Men's Linen Collars—either style, stand up or lay  
down; the regular 15c Collars. Sale Price 5c each, or 50c per  
dozen.

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### ALUMNI.

'09.

B. B. Pratt is located at Hotel  
Hayward, Los Angeles, California,  
where he is making a series of ship  
ping experiments with lemons.  
He is working in the interests of  
the Bureau of Plant Industry, De-  
partment of Horticulture.

'08.

J. R. Dice, of the Maine University,  
Orono, writes that they are about  
to start an institute train through  
the state. On this trip Mr. Dice  
will have charge of the lectures and  
exhibits in connection with the  
dairy.

William Rider, also of '08, is con-  
nected with the Winona College of  
Agriculture, Winona Lake, Ind.  
He writes that he is getting along  
first rate and enjoying his work.  
He is teaching animal husbandry,  
and dairying, and is about to start a  
course in poultry work. No won-  
der they have asked William to sign  
a contract for next year.

'07.

C. M. Cade, '07, civil, is with the  
Coast and Geodetic Survey and is  
at present stationed at Aledo, Texas.  
Last summer he was assigned to  
work in Alaska but on account of  
his health was transferred to the  
coast of California. He writes of  
passing a very pleasant winter on  
Monterey Bay leaving that work  
only a few weeks ago. This summer  
he will have charge of a precise  
leveling party running a line from  
Aledo to El Paso, Texas.

### CAMPUS NEWS.

Miss Taft, general secretary of  
the student volunteer movement, was  
at M. A. C. over Sunday. Miss  
Taft is a graduate of Wellesley, '09,  
and expects soon to go into the for-  
eign field as a missionary. Both  
her father and mother are mission-  
aries in China.

Dean Gilchrist entertained at din-  
ner Friday evening in honor of Mrs.  
Leota Wheeler Kyle, who spoke on  
the question of civil service reform  
at the Women's Club Friday. Mrs.  
Kyle is the state chairman of the  
civil service reform work in the fed-  
eration of Women's Clubs, and the  
woman member of the Michigan  
Civil Service League, of which Mr.  
Baker is president and Dr. Hedrick  
member of the executive board.  
The women of the state are doing  
a great deal of work in this line by  
rousing public interest and getting  
people to study the question for  
themselves.

### FROM OUR EXCHANGES

The University of Indiana has  
purchased a farm of seventy-five  
acres, two and one-half miles from  
the city (Bloomington), to be used  
as a site for a large artificial lake to  
furnish the water supply for the  
University. The lake will have an  
area of eight to ten acres with an  
average depth of twenty-five feet.  
This will furnish an amount of  
water equal to eight times the pres-  
ent daily capacity of the University  
or an amount sufficient to run three  
years without rain.

A married men's club has been  
organized at Highland Park Col-  
lege, Des Moines, Ia. A bachelor's  
club was formed some time ago and  
married men were refused admit-  
tance, with the result that a strong  
organization of the latter class has  
been effected.

Olivet and Hope Colleges de-  
bated on the evening of April 8 as  
to whether or not the U. S. needed  
a revenue tax. Hope debated the  
affirmative and won out.

### CHOICE MEATS

**WM. SAIER**

331 Washington Ave. S.  
Phones: New, 3297 Old, 380  
Daily Deliveries to College

### Lawrence & Van Buren Printing Co.

WHEN IN NEED OF  
**CALLING CARDS**  
122 OTTAWA ST. E.

### EVERY KIND OF FURNITURE FOR YOUR ROOM

Cots Folding Beds  
Mattresses  
Book Cases Desks

ALL GOODS DELIVERED FREE  
**M. J. & B. M. BUGK**

### COMMENCEMENT Programs for 1910

**ALLEN PRINTING CO.**  
111 Grand South Both Phones

### At Larrabee's

You will find Gym and Track Suits,  
Base Ball Suits, Shoes, Bats, Balls,  
Masks, Tennis Rackets and Balls,  
Tennis and Gym. Shoes—in fact,  
everything you need.

325 Washington Ave. So.

### The wise man Never leaves school

We are always in the school  
of **DRY GOODS**, ever trying  
to improve our business and  
advance the interests of our  
patrons. That is the reason  
we want to talk to you about

Quilts, Bed Spreads,  
Cotton Sheets,  
Pillow Cases, Pillows,  
and Outing Flannel Sheets

Our stock is the most com-  
plete and prices are the low-  
est where quality counts. We  
are prepared to meet most any  
demand that comes to us in  
this line.

**DANGER, BROGAN & CO**  
LANSING'S LEADING STORE

### DIRECTORY LANSING BUSINESS AND PROFESSIONAL MEN.

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

#### BARBERS.

**COLLEGE BARBER SHOP.**—In New  
Bath House. Ernie—Morgan—Andy.  
First class work guaranteed. Give us a trial.

#### BOOKS AND STATIONERY.

**A. M. EMERY,** 116 Wash. Ave. N. Books,  
Fine Stationery, Engraved Calling  
Cards, Fountain Pens, Pictures, Frames,  
Fine Framing a Specialty. Up-to-date  
styles. Cut Glass—cut in Lansing.

#### BOOK BINDERS.

**GEO. G. BLUDEAU & CO.**—Bookbinders,  
account book makers, paper ruling,  
library and fine art bindings, file boxes,  
map mountings, albums, pocket books, etc.  
Citizens' phone No. 56. In City National  
Bank Building

#### BOOTS AND SHOES.

**SHUBEL'S SHOE STORE.**—210 Washing-  
ton Avenue North. Repairing done by  
electricity. Student patronage solicited.

#### CROCKERY AND GLASSWARE.

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

### CLOTHING.

**ELGIN MIFFLIN.**—Ladies and Gentle-  
men's Furnishing Goods. See ad.

**H. KOSITCH & BROS.**—Clothiers,  
Furnishings, Dry Goods. 113 Wash-  
ington Ave. N.

**LOUIS BECK.**—Clothier, Gents' Furnish-  
ings, Hats and Caps. 112 Washington  
Ave. North.

### DENTISTS.

**C. E. COCHRANE,** D. D. S.

**N. H. MOORE,** D. D. S. Office 411-413 Hol-  
lister Building, Lansing, Mich. Citi-  
zens phone, Automatic 9490.

**D. E. PARMELEE,** Dentist, 117½ Wash-  
ington Ave. S., Lansing, Michigan.  
Automatic phone, office 3402; residence, 3403.

**J. E. STOFFER,** D. D. S. Office 301 City  
National Bank Bldg. Citizens phone  
1049. Former M. A. C. student.

### DEPARTMENT STORES.

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**ROUSER'S CAPITAL DRUG STORE.**  
Up to date. Corner store. Opposite  
Hollister Block.

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Leading Dry Goods Store. 119-121  
Washington Ave. N.

**J. W. KNAPP & CO.** Successor to Jewett &  
Knapp. Dry Goods—222-224 Wash. Ave. S.

**SIMONS DRY GOODS CO.**—104 Washing-  
ton Avenue South.

### ELECTRICAL SUPPLIES.

**CAPITOL ELECTRIC ENGINEERING**  
CO.—Full line of Electrical Supplies,  
including students' shades and cords, car-  
bon, tantalum and mazda reading lamps.  
117 E. Michigan Ave.

### FURNITURE DEALERS.

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Washington Ave. and Ionia Street.  
See ad.

### HARDWARE, STOVES & TINW'RE.

**NORTON'S HARDWARE.**—General  
Hardware, Tinware, Graniteware, Cut-  
lery, Stoves, etc. 111 Washington Ave. S.  
See ad.

### JEWELERS.

**H. P. PIPER.**—Resident Watchmaker.  
Any work left at College Book Store  
or Brick Grocery will receive prompt at-  
tention.

### MANUFACTURING AND HAIR- DRESSING.

**MRS. O. T. CASE.**—Manufacturing,  
Shampooing & Hairdressing Parlors.  
Switches made of cut hair or combings,  
also colored and renovated to look as good  
as new. Masquerade wigs for rent. Auto-  
matic phone 531. 222½ Washington Ave. S.,  
up stairs.

### OCULISTS.

**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. Cor-  
ner Allegan St. and Capitol Ave., Lansing.  
Both phones.

### PHYSICIANS.

**DR. OSCAR H. BRUEGEL.** Hours, 7 to  
8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sun-  
days, 12 to 1 and 5 to 6 p. m. East Lansing,  
Mich. Citizens phone 1344.

**DR. H. W. LANDON,** Agricultural Col-  
lege, Mich. Office hours: 7 to 8:30 a.  
m., 12:30 to 2 and 6:30 to 8 p. m. Sundays, 10  
to 11:30 a. m., 7 to 8 p. m. Citizens' phone 9228.

### TRUNKS AND LEATHER GOODS.

**J. W. EDMONDS' SONS.** Everything for  
the traveler. Leather Goods. Harness.  
Established 1854. 107 S. Washington Ave.