

# The M. A. C. Record.

VOL. 5.

LANSING, MICHIGAN, TUESDAY, MARCH 13, 1900.

No. 25

## The Annual Chicago Reunion of M. A. C.

No class of men can enjoy a reunion in the way that college men celebrate the occasion. The experimental proof was in evidence at the Hotel Bismarck Saturday evening, March 3, when the Chicago M. A. C. Association gathered together nearly forty strong, and the loving cups for 1900 was dedicated.

Heretofore the reunions have been somewhat of a formal nature, but this time President C. E. Smith, '84, decided that a change would be pleasant so all set toasts and full-dress suits were omitted and everyone went in to enjoy a social time in the manner of student days.

We first assembled in the parlors, where we tried to recognize each other after Time had put care lines, spectacles and expressions as various as the individual on those we knew as boys in Williams, Wells or Abbot. Soon supper was announced and we sat down about the table shaped like a capital E with the center omitted. This omission was not noticed as the guests filled their own centers of force with the eatables, from oysters on the half shell to three kinds of cheese and cafe noir.

Then Prof. Woodworth produced the loving cup, offered it personally to each one present—at the same time pronouncing the individual's name so that all could be assured that none failed to thus ceremoniously swear fealty to old M. A. C.

(This loving cup was made especially for the celebration, out of the purest block tin, graced with three handles and lettered, "M. A. C., Mar. 3, 1900." It is now in the custody of Mrs. Lucy Woodworth.)

Then followed speeches and music. Music by "Dick" Gulley (cornet), and "Hans" Wesener (trombone), while Will Rummeler presided at the piano. Almost everyone had the opportunity to make a speech and nearly all improved it,—many telling of the times when M. A. C. dormitories, recitation room and campus were the theatre of their operations. First the ladies (not present in body) were toasted, then a toast to our departed student friends was given standing and in silence, while a toast of greeting to the "old guard" at M. A. C.—Drs. Kedzie and Beal, proposed by L. A. Bregger, was hailed by the familiar Uzz, Uzz. Somehow or other the sound of that shout did not satisfy Mr. Bregger as being quite right. He criticised the modern M. A. C. yell as being given in too fast a tempo. It was tradition at M. A. C., he said, that we were slow in getting under motion, but gathered force as we went and ended in a triumphant *crescendo*. Nothing would do but to try the two methods of delivering the College yell, and we did it. The old boys of the 80's in slow time, the boys of the 90's much faster. But which was best none could tell. I can only report that the head waiter closed the door into the corridor and braced himself against the shock of the encounter.

F. S. K.

Human nature is weak, and to that extent government is defective.

## Farmer's Club.

The meeting of the Farmer's Club on Wednesday evening, February 28th differed somewhat from those preceding, in that, instead of the program consisting of the discussion of a farm topic, it took up a subject which, though not directly connected with the farm, is of inestimable value to the farmer.

Prof. W. O. Hedrick gave an interesting and instructive talk on "The Civic Duties of a Student after Graduation." He stated that every person should have a certain activity in civic duties. He compared these civic activities with the religious activities, saying that each has a similar purpose,—the good of the whole people. Both of these activities need continuous spurring up. In both, we find great organizations, and ordinarily we join these organizations. In the church we have the preachers to keep the people stirred up; unfortunately in

L. A. Bregger	J. H. Smith	F. S. Kedzie	C. E. Smith	J. L. Snyder	A. E. Bulson
T. F. McGrath					J. A. Wesener
R. W. McCulloch					P. B. Woodworth
	C. D. Butterfield	H. C. Buell	R. H. Gulley		
	T. H. Libbey		G. W. Williams		
F. W. Robison	Frank Bauerle		G. N. Eastman	S. G. Walton	
O. H. Pagelson	I. L. Simmons		C. E. Hoyt	W. R. Rummeler	
J. W. Perrigo	G. L. Teller		V. H. Lowe	J. S. Dixon	
L. K. Woodman	C. E. Havens		W. R. Goodwin	W. G. Amos	
W. P. Hawley	J. F. Nellist		C. K. Chapin	E. S. Antisdale	
I. Reynolds			P. M. Chamberlain		

ARRANGEMENT OF TABLE AT CHICAGO BANQUET.

civics we have no such officers. But every one of us should be priests, preaching to the world good citizenship. Our mission would be large and our accomplishment proportionately large.

There is an emotional aspect to religion and one also in civic affairs—patriotism, in which we Americans are not wanting. Students have patriotism enough; what they need is not more patriotism but more intelligence. A good heart without a good head is worth little. What the country needs is intellectual minds, trained in civic affairs. This is necessary in order to solve the problems confronting the people of today. The three all-important problems the student of today has to solve, are—first, the problem of joining a party; second, whether, or not, property is going to be private any longer; and third, the question of expansion. He expounded at some length upon these questions, clearly defining the method by which these problems can be solved.

The last meeting of the term will be held next Wednesday evening, March 14. At this meeting the officers for the coming term will be elected.

G. D. W.

The following names of college people who attended the Round Up were omitted from last week's RECORD: E. N. Ball, '82, G. C. Lawrence, '85, E. J. Heck, '95, L. J. Cole, with '99, H. P. Baker, '01, B. D. Snook, with '01, W. A. Whitney, with '02, J. H. McCotter, with '70, O. P. Gulley, '79, L. B. Plummer, '94, F. H. Foster, '00.

## Senior Theses.

The members of the senior class have chosen and are at work upon the following theses:

A Study of Bread Yeasts and Their Management in Bread Making—Miss Cimmer.

Preliminary Survey and Estimates for Electric Railway System—Lansing and Pine Lake—Thompson, Coats and Clark.

The Defense of Plants Against Animals—Barlow.

Sugar Beets—C. H. Parker.

A Study in the Coloring of Plants—Miss Malone.

Butterfat Variation—De Frenn.

The Determination of Sulphur in Michigan Coal—Hilton.

Design of a Heating and Ventilating System for Women's Building at M. A. C.—Chamberlain and Nevins.

Tests of an Olds Gasoline Engine—Ball and Bale.

Steer Feeding—Ranney.

## The '02 Foot Ball Banquet.

The '02 Foot Ball Team held their first annual banquet Friday evening in the Phi Delta rooms. Promptly at twelve o'clock the banquet table was surrounded and the following menu was served:

Celery. New York Counts. Egg Sandwiches. Ham Sandwiches. Mince Pie. Apple Pie. Cheese. Coffee. Doughnuts. Cake.

Lemonade. Fruit. Marshmallows. After the "spread" had been made way with, the following toasts were responded to with T. G. Phillips as toastmaster:

"Class of '02," H. L. Himebaugh. "02 Foot Ball Team," H. E. Young, Manager.

"The Scrubs," W. R. Shedd. "The Freshmen," F. G. Carpenter.

"The Management," H. P. Weydemeyer.

After this, games, songs, and discussions of the foot ball prospects for next year were indulged in until early morn. Pleasing souvenirs were presented to each member and the occasion will long be remembered by those present as one of the brightest spots in their college life.

L. H. M.

## Dairy Notes.

On Thursday, March 8th, the men taking the special cheese course completed their laboratory work at noon. In the afternoon they wrote out an examination covering both the theory and practice dealt with during the four weeks of the course; the papers have not yet been gone over, but from his final class-room "Quiz," the instructor was satisfied that generally good progress had been made.

During the four weeks' work eighty-one cheeses weighing twenty-five hundred thirty pounds, were made. The product is now subject to purchase by college people or any others desiring the finest quality of goods.

On Thursday evening Mr. Adershold left for his home in Wisconsin to resume shortly his duties as field inspector of the Dairymen's Ass'n. of that state. The appreciation by the students of his work is shown by the expression of their intention, by a large number of men, to return next year and repeat their course, under what we hope will be more favorable conditions.

J. J. F.

## Natural History Society.

Mr. B. O. Longyear addressed the Natural History Society last Wednesday evening on the subject, "Puff Balls and their Allies." He described the principal genera, putting especial emphasis on those represented in this locality. His talk was illustrated by the use of a number of charts and drawings, and also by numerous dried specimens from the herbarium.

The following officers were then elected for the spring term: President, A. J. Cook; vice-president, D. J. Crosby; secretary, D. S. Bullock; members of Board of Directors, Prof. W. B. Barrows and J. B. Stewart.

D. S. B.

## Hesperian Society Hop.

Last Friday evening, March 9, the Hesperians held their regular society hop under the chaperonage of Prof. and Mrs. Vedder. At 9:30 the company proceeded to Club E, where light refreshments were served by the refreshment committee. The surrounding atmospheric conditions were evidently not transmitted to the spirits of those present, as a very pleasant time was enjoyed.

N. B. H.



# THE M. A. C. RECORD.

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## Official Directory.

Y. M. C. A.—Regular meetings Sunday evenings at 7:00 and Thursday evenings at 6:30. C. H. Parker, President. D. S. Bullock, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on the campus, Thursday evenings at 6:20, in Abbot Hall. Sunday meetings with the Y. M. C. A. Mabel Brigham, President; Elizabeth Johns, Cor. Secretary.

KING'S DAUGHTERS—Meet alternate Wednesdays. Mrs. W. Babcock, President. Mrs. W. J. Beal, Secretary.

NATURAL HISTORY SOCIETY—Meets alternate Wednesday evenings at 6:30 p. m., in the Zoological Lecture Room. B. Barlow, President. W. K. Wonders, Secretary.

BOTANICAL CLUB—Meets Tuesday evenings at 6:30 in the Botanical Laboratory. G. M. Bradford, President. Emma Miller, Secretary.

ADELPHIC SOCIETY—Meets every Saturday evening at 7:00. Class room A., College Hall. Wm. Krieger, President. R. Southwick, Secretary.

COLUMBIAN LITERARY SOCIETY—Meets every Saturday evening at 7:00. Fourth floor, Williams Hall. Bronson Barlow, President. Burt Wermuth, Secretary.

ECLECTIC SOCIETY—Meets every Saturday evening at 7:00. Fourth Floor, Williams Hall. D. B. Finch, President. T. G. Phillips, Secretary.

FERONIAN SOCIETY—Meets every Thursday afternoon at 4:00. U. L. S. Rooms. Allie Cimmer, President. Mabel Brigham, Secretary.

HESPERIAN SOCIETY—Meets every Saturday evening at 7:00. West Ward, Wells Hall. L. S. Christensen, President. H. G. Driskel, Secretary.

OLYMPIC SOCIETY—Meets every Saturday evening at 7:00. Fourth Floor, Williams Hall. T. J. Leavitt, President. D. C. Pierson, Secretary.

PHI DELTA SOCIETY—Meets every Saturday evening at 7:30. East Ward, Wells Hall. H. L. Kimball, President. R. L. Himebaugh, Secretary.

THEMIAN SOCIETY—Meets every Friday afternoon from 5 to 6. Agricultural Laboratory, second floor. Maud Parmelee, President. Marguerite Nolan, Secretary.

UNION LITERARY SOCIETY—Meets every Saturday evening at 7:00. U. L. S. Hall. E. W. Ranney, President. A. Kocher, Secretary.

TAU BETA PI FRATERNITY—Meets on alternate Thursday evenings, Tower Room, Mechanical Laboratory. William Ball, President. C. W. Bale, Secretary.

CLUB BOARDING ASSOCIATION—H. L. Chamberlain, President. Geo. Severance, Secretary.

M. A. C. ATHLETIC ASSOCIATION—W. T. Parks, President. H. P. Weydemeyer, Secretary.

FARMERS' CLUB—Meets alternate Wednesday evenings at 6:30 in the Agricultural Laboratory. J. H. Skinner, President. G. M. Odum, Cor. Secretary.

M. A. C. CHORUS meets in the Chapel every Monday evening at 6:30. C. H. Parker, President. Gertrude Van Loo, Secretary. Mrs. C. E. Marshall, Director.

## Report of Round Up.

(Continued.)

### FEEDING DAIRY COWS.

W. F. Raven, of Columbia endorsed the idea that fresh air and sunlight are indispensable in a cow stable.

Ensilage is one of the most profitable feeds for the dairy cow. By the aid of the silo one can so rotate the crops that he can carry much more stock. The more stock the more manure, which produces more corn, and by the use of the silo Mr. Raven has increased his herd of cows more than three-fold.

He has two square silos, 12 x 14 feet, and 24 feet deep, and it takes from 8 to 10 acres to fill each of

them. He does not cut corn for ensilage when it is wet with dew or rain, nor tread it in the silo the first half day; allow it to lie loose and begin to heat. Do not cut it until it is ripe enough to shock. System in feeding and milking is indispensable, and his plan is to milk first, then feed ensilage. The cows will first eat the corn, then the butts of the stalks, and last the leaves. Follow with a ration of bran and gluten meal and clover hay. At noon he gives corn fodder, or oat and pea hay; the evening ration being the same as the morning. Each cow should have a stall and feed box by herself, and should have pure water twice daily.

Mr. Mills of Ann Arbor, said that no two cows need the same care. The balanced ration should be mixed and then fed according to the needs of each cow; hence a man should study and know the characteristics of every cow in his herd. Well-kept cows will not notice ordinary winter weather, and should be out from two to four hours every pleasant day, but never in a storm. An hour's exposure to a cold storm will shrink a cow's flow of milk to such an extent that it will take two or three days to get her back to her regular flow.

Mr. A. M. Welch of Ionia, said that the sides of his cow stables were one-third glass, and that his cows were never out of doors unless the eaves dripped. Milk first and then feed and clean the stables. Turn cows out if pleasant at about 10 o'clock, to drink water warmed by a tank heater. Feed corn or rough fodder in the yard and return them to the barn about 3 p. m. and feed ensilage, hay and grain. Never be without ensilage.

E. A. Croman of Grass Lake, has no silo, but would if he could afford it. He shocks his corn in the field and runs it through a shredder. If a mow is filled solid with shredded fodder, it will not spoil. He always grows roots, Golden Tankard mangels and Ox Heart carrots, and feeds them whole. His plan is to milk first, then feed a ration of corn bran, roots, oat and pea hay, and corn fodder. The roots have never had a bad effect on the milk.

Sow the seed for roots in the spring as soon as the temperature of the soil reaches 50 degrees.

A general discussion of the dairy question followed.

### SHEEP HUSBANDRY.

Mr. Welch, of Ionia, gave his method of "Lamb Feeding." He has ten pens of 64 lambs each, with one foot of feeding rack to a lamb. Thus arranged he can feed the entire flock in ten minutes. He considers self-feeders too expensive and uses racks 20 inches high by 24 inches wide. He can produce a pound of mutton for three cents.

A. B. Cook, of Owosso, advised going into the sheep business when prices are low, but keep out, and save discouragements, when prices are high. He thinks a dairyman's money costs him every cent he gets. Sheep are as profitable as any line of stock. His animals are Merinoes graded up with thoroughbred Lincoln rams. His ewes average two lambs each.

The important points in sheep husbandry are:

(1) Keep all stock comfortable; give them plenty of good wholesome food, water, air and light.

(2) Treat them kindly, and do not keep too many, but keep good sheep, and keep them right.

### EARLY LAMBS.

The talk of L. W. Oviatt, of North Williams, on this subject was of much interest. He advises the use of strong, healthy ewes and the weeding out of all others. Breed them in the fall, and keep in a good condition during the winter. Sheep do best when kept dry, in a well-ventilated shed. They will do well with an abundance of corn fodder, with a little concentrated food. Clover hay, with roots or ensilage is excellent for them. Keep the young lambs warm and, if they get chilled, place in warm water for a few minutes and then rub dry. This will often restore lambs that appear dead.

See that the milk is available for the young lambs, if not, feed from a bottle of cow's milk.

Have each ewe raise two lambs, helping out with a grain ration if necessary. The use of a little grain will make a great difference in the growth of the lambs, which can be made to weigh a pound for each day in age. Sometimes lambs have sore eyes, from the turning in of the edge of the lower lid, which inflames the eyeball.

Kill the earliest lambs for Easter, when they should bring 15 or 20 cents per pound, and use the ewes to raise other lambs.

(Concluded next week)

## The Evolution of the Automobile.

The following extracts from the oration of Mr. Geo. B. Fuller, '00, delivered Feb. 5, are of very timely interest:

"The difficulties under which (these) early inventors worked were many. They had little experience, poor roads in general on which to travel, non-elastic wheels, and public prejudice. The latter took many forms. It was hard for the public to conceive that a carriage could be run by having a motor turn it's wheels. So strong was this belief that some of the early inventors constructed feet which propelled the vehicle much as a man walks. Laws were enacted which restricted the use of automobiles. In France, some early inventors were punished for accidents which happened to their machines, and laws were passed regulating the speed and time for travel. In Germany, we find that they were close to the French in this regard. The English inventors fared worse than any of them. The Englishman is an admirer of the horse; and those engaged in the horse trade were afraid of the automobiles, and took measures to have laws passed which would render them useless. Finally, a law was passed giving the local authorities right to make such laws governing the use of automobiles as they saw fit. In some counties, they were allowed to be used at night, in others from eight o'clock in the evening to four in the morning; and in all counties a heavy toll was required.

"From that time up to the present decade little was done. Only a few carriages were built, and these were for private and experimental uses. It was not until recently that movements might have been seen preparatory to the development and manufacture of automobiles as a new industry. The French were first to recognize the value of an automobile which would safely and quickly carry either freight or passengers. Paris was the first city

to use automobile drays, delivery wagons, and cabs.

"With the invention of the gas, electric, compressed air, and petroleum motors, the inventors had a wide field to choose from. Probably the organization of automobile races, at which prizes were offered, has done the most to bring the carriages and their motors to their present state of perfection.

"For the future, the automobile promises a city practically free from the rumbling of heavy drays, and the clatter of the horses hoofs which make modern urban life more or less miserable. Cobble-stone pavements were laid to resist the pound of iron-tired wheels and iron-shod hoofs. With every vehicle pneumatic-tired, and motor-driven, all pavements can be asphalt. Not only will the rumble of heavy trucks disappear, but the removal of the horse from the street will practically solve the problem of street cleaning. The repairing of roads will be reduced to a minimum.

"Once the horseless age is in full sway, every man will own his automobile. The bicycle will be put away—except for sport. Even on the farm motor-driven wagons will carry the hay from the field and the grain to the market. The horse will still be harnessed to the plow, furnish sport on the race course, and exercise for the few, but he will no longer be the burden carrier of man."

## Athletic Notes

Again the basket ball team came out ahead with plenty to spare. This time it was with the Governor's Guards of Lansing.

M. A. C. put on high pressure at the start, and when time was called for the finish of the first half the gauge stood at 13, while Lansing's was at 3.

The pressure kept up right through the second half at the additional register of 12 to 4 indicated. Total score 25 to 7.

For Lansing, Clark made one goal from field and McCormick two, the latter also throwing one from foul.

The goals for M. A. C. were landed by Balbach, five, Ranney, three, besides throwing one foul, Agnew three, Beebe, one.

The weekly athletic contest in the armory on Saturday afternoon showed marked improvement all along the line. The events consisted of wrestling, shot, standing and running broad jumps, running high jump, and pole vault. Weydemeyer, with the changed form, equaled the M. I. A. A. record of 5 ft. 7 in. on the high jump.

The final contest of the term occurs on Friday night of this week, and will include the above events and the high kick.

The first two in these events, with a possible close third, will constitute the track team for those events. These will be excused from drill. Others may work up outside of drill if they choose, and compete in the local field day late in the spring term, and so stand a handicapped chance of entering the intercollegiate field day.

Is a paste diamond a shamrock?

Is a woodshed a chop-house?

Is the X-ray ten-colored?

Can people with "silver threads among the gold" be said to have a wealth of hair?—*L. A. W. Bulletin.*



**At the College.**

Weatherwax, '01, has gone home ill.

Jessie Pettit is convalescing from "grippe."

Bayard Littell, '01, is ill at his home in Orion.

Pres. Snyder was on the sick list the greater part of last week.

F. K. Wallace, '03m, received a visit from a former schoolmate last week.

Prof. Smith spoke before the News Boys' Association Sunday evening.

Mrs. U. P. Hedrick returned last Saturday from visiting friends at Goshen, Ind.

J. M. Rankin, '01, was called home last week on account of the death of his sister.

Seven couples of the young people enjoyed a very pleasant sleigh ride Friday evening.

Dor Skeels, '03, who has been ill for the past few days, attended his classes again Friday.

W. T. Shaw, P. G., was confined in the hospital the greater part of last week with "grippe."

Mrs. C. D. Smith started Tuesday night for Trumansburg, N. Y., for a visit of several weeks.

In the March 2 number of the *Breeder's Gazette* is a cut of the College Shorthorn herd.

The Kentucky Cardinal which was noticed here in the early part of the winter is still to be seen on the campus.

D. J. Crosby entertained a few of his friends in his room very pleasantly at progressive pedro, Friday evening.

E. S. Harrison, '02m, has been in the hospital for a week suffering from a light attack of pneumonia. He is convalescent.

The Aberdeen Angus steers, that have attracted so much attention from visitors, were shipped to Buffalo last Saturday to be sold.

At the meeting of the Botanical Club tonight Prof. Barrows will speak on the "Flora of the Argentine Republic." All are invited to attend.

Mrs. Ella M. Kedzie left last Thursday to visit Prof. and Mrs. Woodworth and other Chicago friends, and also friends at other points.

The Zoological Department recently received a very fine specimen of *Lynx Canadensis* from northern Michigan. It has been sent away to be mounted.

Mrs. William Barrows who has been visiting her son, Prof. Barrows, left last Friday for Minneapolis; Prof. Barrows accompanied her as far as Chicago.

At their last regular meeting the faculty voted to recommend to the State Board that the degree of Master of Science be conferred upon W. Paddock, '93.

At a special faculty meeting last Thursday, the orators from the senior class, to represent the different courses on commencement day, were chosen as follows: Women's course, Miss Harriette Robson, Agricultural course, Paul Thayer, Mechanical course, J. R. Thompson.

The College railroad to Trowbridge, which was blocked a number of days last week on account of snow, necessitating the hauling, with the teams, of a carload of coal from Lausing, was opened Friday.

The King's Daughters at their meeting last Wednesday elected the following officers for the ensuing year: President, Mrs. Babcock, vice-president and treasurer, Mrs. Vedder, secretary, Mrs. W. J. Beal.

The grade Shropshire lambs, that have been fed by students G. D. White, McCune and Kennedy, were sold in Detroit a week ago last Saturday for the highest price that has been paid in that market for fat lambs in the past seven years.

At a mass-meeting of the students held last Wednesday, it was decided to hold a special oratorical contest, to which any student is eligible, the first Friday night of next term, to determine who will represent the College at the intercollegiate oratorical contest at Kalamazoo, May 4th. Contestants are required to announce themselves on or before Tuesday, March 13.

Prof. Smith spoke last Thursday evening at a gathering of farmers and their families at Wheatland. While there he was very pleasantly entertained at the home of S. J. Doolittle, '03m. This week Prof. Smith goes to Delavan, Wis. to attend the annual meeting of the National Association of Institute Workers. He reads a paper on, "The Importance of Discussions at Institutes."

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## Addresses of Chicago M. A. C. Men.

(Address first given is place of business, next the residence).

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 E. S. Antisdale, 103 State St.  
 Frank Bauerle, 792 Madison St.  
 L. A. Bregger, 923 Byron St.  
 H. C. Buell, 6410 Normal Ave. 124 Franklin St.  
 C. D. Butterfield, 1527 Marquette Bldg. 695 Montrose Ave.  
 P. M. Chamberlain, Lewis Institute. 1917 Diversey Boul.  
 C. K. Chapin, Chicago Telephone Co., 50 E. 40th St.  
 J. S. Dixon, 25th & Loomis Sts. 139 Garfield Boul.  
 G. N. Eastman, Chicago Edison Co. 123 S. Park Ave., Austin, Ill.  
 R. H. Gulley, 703-153 La Salle St. Norwood Park, Ill.  
 C. E. Havens, 238 E. Madison. 368 Orchard St.  
 C. E. Hoyt, Lewis Institute. 123 S. Park Ave., Austin, Ill.  
 T. H. Libbey, Lewis Institute. 769 W. Monroe St.  
 R. W. McCulloch, 82 McVicker's Theatre. 10139 Wood St.  
 T. F. McGrath, 223 City Hall. 36 Sibley St.  
 O. H. Pagelson, Cook Co. Hospital.  
 J. W. Perrigo, G. S. Metcalf Co., 15th and Western Ave. 33 Stanley Terr.  
 L. Reynolds, Universal Fuel Co., 34th and Iron sts. 4312 Greenwood Ave.  
 F. W. Robison, 103 State St. 123 S. Park Ave., Austin, Ill.  
 W. R. Rummier, 82 McVicker's Theatre.  
 I. L. Simmons, Chief Engineer's Office, Ill. Cen. R. R. 6455 Monroe Ave.  
 C. E. Smith, Masonic Temple. Waukegan, Ill.  
 J. H. Smith, 553 Morse Ave. Rogers' Park.  
 G. L. Teller, Chidlow Ins., 34 Clark St. 229 Colorado Ave.  
 S. G. Walton, 1440 Newport Ave.  
 J. A. Wesener, 103 State St. 26 St. James Pl.  
 G. W. Williams, Webster Mfg. Co., 1705 15th St. 6314 Stony Isl. Ave.  
 P. B. Woodworth, Lewis Institute. 123 S. Park Ave.

## News from Graduates and Students.

George E. Ewing, '92, is a farmer at Byron Centre, Mich.

Dr. Beal would be greatly obliged to learn the address of Joseph I. Bicknell, '81.

John H. Smith, with '89, is Organizer of Banks in the state of Indiana. Address, 145 N. Franklin street, Greensburg, Indiana.

C. E. Meyers '96m writes from Booneville, Arkansas, that he is still connected with the Engineering Dept. of the Choctaw & Memphis R. R. Co.

A. C. Himebaugh, with '86m, visited his brothers, R. L. and R. C. '02m, last week. He is interested in manufacturing and banking at Burr Oak, Mich.

Dr. Beal submits the following summary of the General catalogue (1857-1899), which is now ready for the printer:

Approximate number of Officers (State Board and Faculty) . . . . .	343
Approximate number of graduates . . . . .	789
" " " non-graduates . . . . .	3600
Total . . . . .	4732
Approximate number of State Board dead . . . . .	36
Approximate number of Officers dead . . . . .	32
" " " graduates " . . . . .	62
" " " non-graduates . . . . .	1000
dead or not heard from . . . . .	1130
Total . . . . .	1130

The above does not include students in school this year.

Officers of the Chicago M. A. C. Association for the reunion of 1901, R. W. McCulloch, Prest.; Thos. F. McGrath, Vice Prest.; Franz Bauerle, Secy.

Edward P. Safford, '91m, who has been assistant roadmaster for the Lake Shore & Mich. Southern Ry., began Jan. 1, 1900 as roadmaster of the Kalamazoo Division for the same company. White Pigeon, Mich.

## Shop Notes.

An exhibit of the work done in the shops by the students will be made at the end of this term. Mr. Leonard hopes to have another wood-turning lathe completed by that time. The junior class is at present at work on the few parts still unfinished.

On Friday afternoon occurred the last exercise in Steam Engineering Laboratory. The eleven men of the class made a three and one-half hour test on the College boilers. Mr. Smith was in charge and was assisted by Mr. Spring.

## JUNIOR GLASS ANNUAL

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We also keep Sweaters, Supporters, Foot Ball Pants and Jackets.

We are glad to see the old men back and will be pleased to have the new men call. Make our store your headquarters while down town, it is a handy place to leave your packages. WE ARE ONE PRICE.

WE SELL FOR CASH ONLY.

DAVIS CLOTHING CO.

## BICYCLE and ELECTRICAL SUPPLIES.

Also the largest Repair Shop in Lansing fully equipped with power machinery.

We pay all transportation on wheels to and from College when repairs amount to one dollar or more.

Capitol Electric Engineering Co.

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## DIRECTORY

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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.

J. H. WOOD—Barber. 106 Michigan Avenue E. College work especially solicited.

### BOOKS AND STATIONERY.

LANSING BOOK AND PAPER CO. Waterman and Sterling Fountain Pens, Stationery, Pictures, Frames, Wall Paper. 120 Wash. Ave. N.

CITY BOOK STORE. Fountain Pens, Drafting Tools, stationery, Cards E-graved, Pictures and Picture Framing. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

### BOOTS AND SHOES.

C. D. WOODBURY.—Boots and Shoes. We shoe the students. See ad.

### BICYCLES.

GEO. H. RICHMOND. Pierce Cycles. Full line of sundries. Repairing and renting at reasonable rates. 200 N. Washington Ave.

### CLOTHING.

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

A. E. DAVIS.—Clothing and Gentlemen's Furnishings. See ad.

### CROCKERY AND GLASSWARE.

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

### DENTISTS.

R. W. MORSE, D. D. S. Hollister Block, Room 517.

D. R. DAWLEY, M. D., D. D. S. Office over Postal Telegraph Co., Michigan and Washington aves.

D. E. PARMELEE—Dentist. 218 Washington Ave. south. Opposite Hudson House.

### DEPARTMENT STORE.

DONSERAUX'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c.

### DRUGGISTS.

ALSDORF & SON—The Druggists. Two stores, 102 Washington Ave. N. 335 Washington Ave. S. See ad.

C. J. ROUSER—Capital Drug Store. 123 Washington Avenue South.

## ALL MEATS...

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

We make daily trips to the College.

BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTTER.

Washington Ave. South.

### DRY GOODS.

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

### FURNISHING GOODS.

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

### FURNITURE DEALERS.

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

### GROCERS.

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

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M. A. C. STUDENTS—Don't forget W. H. PORTER, the Hack and Liveryman. Rubber tires a specialty. 300 Capitol Ave. S. Both Phones.

### HARDWARE, STOVES AND TINWARE.

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B. P. RICHMOND—Watchmaker, Jeweler and Engraver. 200-202 Washington Avenue N.

### LAUNDRIES.

THE VAN GORDER PALACE LAUNDRY, College agents, C. H. Hilton, 97 Wells; Irving Gingrich, 47 Williams. S. P. Lantz, Prop.

### LUMBER DEALERS.

H. W. RIKERD.—Lumber Dealer. Mill Street. See ad.

### MERCHANT TAILORS.

WOODBURY & SAVAGE.—Tailors. Student trade solicited. Opposite Hotel Downey, North.

JOHN HERRMANN'S SONS. Fine Tailoring. 218 Washington Avenue N.

### OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M. City National Bank Building, Lansing.

### PHYSICIANS.

A. D. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

D. R. J. M. COLLIER.—123 Washington Ave. south. Office over Capital Drug Store. Residence 310 Seymour St.

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GILBERT M. HASTY.—Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. Quiet place for ladies. 113 Wash. Ave. S.