

The M. A. C. Record.

VOL. 3.

LANSING, MICHIGAN, TUESDAY, SEPTEMBER 21, 1897.

No. 2.

Large Attendance at M. A. C.

The memory of our senior professor goes not back to the time when the chapel was so crowded at the opening session as it was last Monday night. The seniors, juniors and sophomores would have had plenty of room in their sections, but the freshmen—the freshmen! Why they filled their side and half the junior seats, then crowded over on the seats usually held sacred to the memory of the seniors. This did not dispose of all, so, as last resorts, they crowded the sub-faculty and sophomores over against the wall, stood in rows at the rear of the chapel, and filled both doorways.

Every available room on the grounds is filled; the College has rented and filled the Harrison House; some are rooming with private families; some have rented houses and are boarding themselves, and many come out from the city.

The seating capacity of the classrooms is also taxed to the utmost, but this difficulty will be overcome in a few days by dividing the classes into sections. This necessitates the temporary employment of more teachers. Miss Lilian Wheeler is teaching two sections in mathematics, and Mrs Landon has consented to take two sections in English for a time. Additional help will also be employed in the Mechanical Department.

The classification of students is not yet completed, but up to date 322 classification cards have been issued, of which 186 are held by freshmen. In looking over the list of entries we notice that our youngest department, the Women's Course, is not lacking in popularity, 64 cards having been issued to young women.

Taking it all in all, it looks as though the people of Michigan have suddenly become aware of a fact that has long been known to people of other states and even of other countries, i. e., that we have here, right at home and easily accessible, one of the best educational institutions in the country.

A Student from Australia.

This College has had the honor conferred upon it of being selected by the Department of Mines and Agriculture of New South Wales as the place to send a representative for special training in agriculture.

Last winter it was decided by the Secretary for Mines and Agriculture in New South Wales, Mr. Sidney Smith, to offer a two years' traveling scholarship to be competed for among the students at the Hawkesbury Agricultural College in that colony, "with a view to sending the successful competitor abroad to gain wider and more varied experience of the science and practice of agriculture than would be possible in New South Wales, so that on his return here his services could be utilized in lecturing, and in other ways diffusing among the agriculturists of this country the useful knowledge gained."

The candidate selected was Mr. Joseph Arthur Bulkeley, who sailed from Sidney August 16, and arrived at M. A. C. last Saturday.

It is expected that Mr. Bulkeley will spend the vacations in traveling throughout the States and Canada to familiarize himself with agricultural methods. All of his expenses, both at College and while traveling, will be met by the department sending him here.

The Agricultural College takes considerable honest pride in thus being selected as the leading agricultural college in the world.

Work in the Dairy.

GORDON H. TRUE INSTRUCTOR IN DAIRYING

The dairy work at the College consists of the special dairy course of six weeks in the winter, a similar course required of all regular agricultural students, and the routine work in connection with the care of the College herd and the manufacture of the milk into butter.

In all our instruction thus far we have, on account of limited equipment, confined ourselves to farm dairy work, and we think that the work given in this particular branch is such as to enable any competent young man or woman, completing the course, to successfully conduct all the operations of the modern home dairy.

It is our aim to come more closely in touch with the creameries and creamery interests of our state and, if possible, to have a number of affiliated creameries to which we may send students having completed our course in farm dairying, that they may become proficient in creamery work as well, and fit themselves to take charge of creamery plants.

According to the schedule given in the catalog, two hours and a half a day for the six weeks of the winter term following the close of our special courses, are spent by the sophomores in dairy work. Just as nearly as the limited time will allow this work is made like that given the special course students. Work with different makes of cream separators and cold, deep setting creamers is given, and each student follows the cream which he has skimmed from the milk through the process of ripening and churning, and finishes his butter ready for market. An attempt is made to make this work just as practical as possible, and just such apparatus is used as the progressive but prudent farmer would be expected to have. Special attention is paid to the care of the milk and cream and to strict cleanliness in all stages of the work.

The necessity of the use of the Babcock test in connection with our dairy work is made clear by its constant use along with and as a check upon our other dairy work. The whole milk of the different cows of the College herd is tested every day, showing the relative richness of the milk of the different animals. The skim milk from the different separators and creamers, and the buttermilk from the different churns is tested in order that we may know exactly what our losses of butter fat are through these channels. In connection with the Babcock test the use of the lactometer, for the determination of the solids not fat and the detection of adulteration of milk, is taught.

Instruction is given in the Pasteurization and sterilization of milk and

enough practical work so that the students are not strangers to the details of the operations.

The College herd consists of specimens of various breeds of dairy cattle and a complete record is kept of the amount and kind of food fed to the different animals each day and of the amount of milk and butter fat given in return. This record is of no little value to the student who wishes to study the relation of breed, feed or other conditions to butter production.

We try in our work to cover all the ground from the cow to the market.

Mechanical Notes.

The improvements in the experimental laboratory, and the purchase of new equipment, as authorized by the Board of Agriculture and commenced during the summer term, have been pushed to practical completion during the vacation. The experimental room itself has undergone most marked changes. Near its center and a little to the east a substantial and commodious foundation or table has been built, which will take any engine that may be likely to come in for a test. A new hard-wood floor has been put down, and at a convenient place a trap door opens to the weighing pit beneath. This pit has a well drained cement floor and is of sufficient size to admit scales, tanks, and the student attendants.

A convenient place is provided for the Olds Gasoline Engine, the Olds Upright Steam Engine, and the Rider Hot Air Pump (which have been purchased), and for the other pieces of apparatus which belong in this room. A rack for pipe and pipe fittings and a work bench with tools and vise, have found suitable places. The three and a half inch steam main has been extended into the room. A double door has been cut through the south wall, to facilitate the handling of heavy machinery.

In the foundry many stock castings for next term's work have been gotten out, and also the heavy bed-plates for the table in the experimental room have been cast. A few new tools have been purchased.

The machine shop has received the usual attention in the way of overhauling and repairing of the machinery, the planer and the engine receiving particular attention. Many of the small tools have been repaired and some new ones turned out. Lathe No. 7 was completed and set up in the line of wood working lathes in the wood shop, and the base for the Perkins Trimmer was fitted to the machine and set up in its proper place in the bench working room of the wood shop.

A most decided change has been made in the wood shop in regard to the manner of caring for the bench working tools. Each of the forty benches has been fitted with a drawer, in which a back saw, a try-square, an oil stone, a bevel, a jack plane, a block plane, a smooth plane, and a set of chisels have been placed. This reduces to a minimum the time required by the students in caring for their tools, in coming to, and in leaving their work. Under this system also, each student will be

responsible for the condition of his own tools. Some patterns have been made in this department during the vacation from which castings have already been taken in the foundry.

Personal Mention.

P. S. Rose, with '96m, is again in College.

D. B. Finch, '01, is a brother of W. E. Finch, with '96m.

W. C. Champion, '01, is a brother of Miss Daisy Champion, '93.

Floyd H. Smith, with '99, has again taken up work at M. A. C.

F. Will Newman, with '98m, has returned to complete his course.

We now have another student from Armenia, Mr. H. W. Parnag.

Miss Josie Greening, of Toledo, is visiting her sister, Mrs. Westcott.

A. Thorn Swift, son of John Swift, '68, is enrolled with the class of '99.

H. B. Gunison, with '98m, resumes his work at M. A. C. this term.

Bland Edwards had the misfortune to fracture his collar bone last week.

Mrs. C. F. Wheeler is spending a week with relatives and friends at Hubbardston.

Prof. H. W. Mumford went to Moscow last Friday evening to visit his father, who is ill.

Hugh P. Baker, a brother of R. S. Baker, '90, and C. F. Baker, '91, has entered College.

George Krentel now has four stalwart sons in College, the latest addition being George Krentel, Jr.

Miss Deborah Garfield, daughter of Hon. Charles W. Garfield, '70, is taking the Women's Course with 1901.

A. M. Patriarche, '98, T. C. Lewis, '99m, and C. H. Chadsey, '00m, have brothers in the class of 1901.

Miss Jeanette Carpenter, of Kansas Agricultural College, enters the senior year of our Women's Course.

Dr. Oscar Clute, '62, has two daughters at M. A. C., Miss Katherine, post graduate, and Miss Marian, freshman.

Misses Gertrude Lowe and Fleta Paddock, sisters respectively of V. H. Lowe, '91, and W. A. Paddock, '93, are members of the class of 1901.

Mr. H. Caramanian has been called to his home in Armenia by the illness of his sister. He leaves with deep regret at not being able to continue his college course, and will not return.

Prof. and Mrs. Holdsworth and Prof. Mumford returned from their European tour September 12. They report a very pleasant and profitable vacation. Prof. W. O. Hedrick remained with Prof. and Mrs. Holdsworth until they had "done Paris," after which he went to Göttingen for study. He will not return until the Christmas holidays.

ing to the second story of a pleasant apartment house at 511 Woodland avenue, Cleveland. From a vision of femininity at the head of the stairs came a cheery "Hello, how did you find us?" and a merry peal of laughter, followed by a jerky but none the less cordial "Glad to see you, Dick, darn 'f I aint," from Thorn; and I was ushered into the cosy house of Mr. and Mrs. Thorn Smith. Mr. Smith has a good position with the Grasselli Chemical Co., is working hard, and has good reason to expect something better in the near future.

In Detroit an invalid tire gave me time to call on H. M. Howe, real estate dealer, at 1210 Majestic building, where I also met E. T. Patterson, with '97m, and learned that C. C. Pashby, '94m, recently instructor in mathematics here has a touch of Klondyke gold fever. On the street I saw William Lightbody, '89, looking as jolly as ever. At Pontiac, Miss Ella Phelps, '00, was awaiting the end of vacation somewhat impatiently, and in the meantime struggling to become familiar with the eccentricities of her new bicycle.

Before reaching Durand my wind-broken wheel compelled me to take a train for Lansing. On the Grand Trunk train at Durand I found J. R. McCall, '90m, of Knoxville, Tenn., who, after spending most of his vacation at Cornell University, had been camping a couple of weeks near Lapeer and was on his way to Charlotte to visit a brother. Cameras and wheels, college days and college friends, afforded such interesting topics for conversation that it seemed but a few moments before good bye had been said and I found myself on the old, familiar Lansing platform.

D. J. C.

At the College.

We are assured that our post-office will become a presidential office October 1.

During the summer some fifteen students have had work on the College farm at different times.

The faculty will give a reception to the students in the armory next Friday evening, at 7:30 o'clock.

A small exhibit was prepared from work by students in the shops, and sent to the State Fair at Grand Rapids.

There has been an unusual demand for young breeding stock this fall, and the increase of the College flocks and herds has been nearly all disposed of at fair prices.

The King's Daughters will meet at the home of Mrs. Snyder tomorrow afternoon (Wednesday), at three o'clock. Text, "Consecrate." Please remember to bring pounds.

Mr. A. A. Crozier left Wednesday for Arizona, where he will spend the next six months for his health. A brother from Grand Rapids accompanies him on the trip.

Again there is talk of extending the street railway to Station Terrace. The College authorities made the railway people an offer which the latter thought fair and accepted, but some complication with the Lansing city council prevents the beginning of work.

The Y. M. C. A. gave an informal reception in their rooms last Friday evening to the gentlemen of the campus. C. W. Loomis, president of the association, gave an address of welcome to the freshmen, Mr. Gingrich rendered two vocal selections, and then all enjoyed a social hour.

The Holstein herd has recently been increased by the birth of two bull calves, grandsons of the famous cows Rosa Bonheur 5th and Belle Sarcastic. The youngsters are especially promising individuals, and with such royal lineage back of them should find their way to heads of some of the best herds of our state. They should not be allowed to leave the state—the best is none too good for Michigan.

Last Friday evening the Y. W. C. A. gave an informal reception in Abbot Hall parlors to all M. A. C. ladies. The 34 ladies of Abbot Hall formed a very substantial reception committee, and were a pleasing contrast in numbers to the chosen few of last year. About eighty were present (this estimate is authentic, and is not a mathematical calculation based on sound produced). Refreshments were served and all apparently enjoyed the opportunity given of becoming acquainted.

It is really gratifying to see the work our foot-ball team is doing. Henry Keep, of Detroit, who did such good work with our athletes before field day last spring, is now enrolled as a regular mechanical student here. He is directing the foot-ball practice, and seems to have put new life into the boys. There are two or three candidates for every position on the eleven, and they are doing faster work than was ever seen here before. W. K. Brainerd, one of last year's best ground-gainers, has been elected captain. The first game will be played here with Olivet October 2.

To record the names of visitors to M. A. C. during August would simply be impossible. They came in twos, threes, fives, dozens, wagon loads, car loads and train loads, and they kept coming. They tramped about, seemed interested and got tired, but, so far as learned, we heard of no growlers. It is estimated that at the Sunday-school rally alone between 6,000 and 8,000 visitors were on the grounds. Teams were hitched along the river below the botanic garden, to every available yard of fence south of the barns and down the lane beyond the bridge, and to every hitching post on the campus.

Electric Lighting.

It is pleasing to know that our present inadequate lighting plant is soon to be replaced by one of much greater efficiency.

The contract for furnishing power has been let to Mr. Piatt, of Lansing. The College will procure one of the latest types of poly-phase generators, which will be installed at Piatt's water power plant.

All buildings and students' rooms will be wired, so that light or power can be had wherever needed. As we are to have 24-hour service we can have lights or power as often and as long as we want them. It is understood that this is to include power for use in any of the laboratories, which will greatly relieve our overtaxed power plant at the boiler house.



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Would be pleased to have you come in and inspect my Fall Offerings in the way of Hats, Caps, Ties, Sweaters, Shirts, Golf Hose, Night Robes, Underwear, in fact everything in Natty Furnishings.

Students' patronage respectfully solicited.

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Union " "	25c "
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Japan and China Matting, 15c, 20c, 25c,	" "
Moquette Rugs,	\$1.00 "
Sakia Rugs,	\$1.50 "

We cordially invite M. A. C. students to come in and inspect our stock. All Carpets, etc., delivered to the College without charge.

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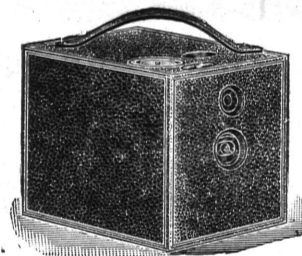
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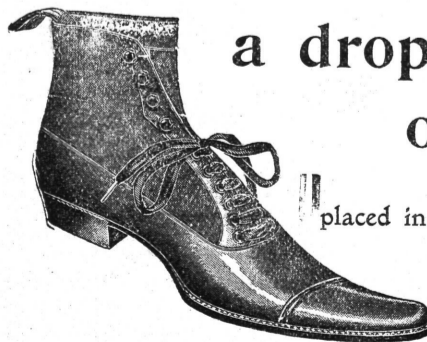


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The M. A. C.
SHOE STORE.

News from Graduates and Students.

Joseph T. Berry, '96, is now one of Belding's photographers.
 Alex. F. Gordon, '91, of Grand Rapids, called at the College, Sunday.

Charles F. Herrmann, '97, is just getting out from a long illness with typhoid fever.

R. J. Wilson Jr., with '98m, is now located at 164 Stanwood Street, Providence, R. I.

Dr. C. B. Chapin, '93 has received an appointment on the medical force at the Pontiac Asylum.

A test was made last week of steel boiler plate for Mr. Wm. Petrie, '90m, of the Owosso electric lighting plant.

H. S. Hampton, '76, is now in charge of the Science Department of the State Normal School at Albion, Idaho.

L. W. Watkins, '93, has been stirring up violaters of the game and fish laws in the vicinity of Kalamazoo.

On Wednesday, September 15, another daughter was born to Prof. and Mrs. F. B. Mumford, of Columbia, Missouri.

E. A. Holden, '89, is general agent for the Massachusetts Mutual Life Insurance Company, with headquarters in Lansing.

Joseph L. Horne, with '96m, is taking a course in electrical engineering at Cornell University. He expects to finish in three years.

Our alumni will read with sorrow of the death of Robert B. Pickett, '93, who died at his home in Jackson county Friday, September 3, of heart failure.

A. B. Ide, with '88, drove over about a month ago with his wife. They are farming at Wacousta, and have a boy and three girls to send to M. A. C. later. "Things have changed a good deal and improved since I was here."

John F. Coats, with '98m, who went from M. A. C. to Montana for relief from hay fever, is working on a ranch near Park City. He reports large game within a day's travel and expects to go out for deer and bear this week.

Dwight S. Cole, '93 is the inventor of the "Cottage Comfort" combined couch and bath tub, which he had on exhibition at the recent State fair in Grand Rapids and upon which he was awarded a diploma.

V. V. Newell, '94m, and R. M. Reynolds, '95m, room together at 138 State street, Brooklyn, N. Y., and W. J. Goodenough, '95m, is located near them. Mr. Reynolds is employed in the traffic department of the New York Telephone Company.

College Poems.

Those who have read the poems published from time to time from the pen of our honored alumnus, Frank Hodgman, who have stood in a group about the society organ or piano and joined in "A Song for College Days," will be glad to learn that the author contemplates publishing a small volume of his best poems. The following letter explains itself, and we hope Mr. Hodgman will receive so many favorable replies that he will send his copy to the publisher at once:

To students and alumni of the M. A. C.: I contemplate the publication of a small volume of poems, the leading ones of which were written for, and have been used at gatherings of the M. A. C. alumni. I have been led to think that some of you would like to have these preserved in permanent form. My notion of it is to put out the little volume in the best style of the printer's art, and illustrate it with College scenes, making it to a certain extent a College Souvenir. The volume would take its name after the opening poem: "*The Wandering Singer and His Songs.*" It would include "*Dreaming,*" "*Twenty years ago,*" "*Forty years ago,*" "*Songs of the Alumni,*" "*A Song for our College Days,*" and other miscellaneous poems. The price would be \$1. I do not anticipate any sale for it aside from those taken by my personal friends and people interested in M. A. C., hence the edition would be small. Unfortunately six years of illness have not left me in a financial condition such that I can afford to publish such a volume and take all the chances of disposing of the books. Will each one of you who would like such a volume, please write me if you will purchase one or more copies. If I can be assured of the sale of 100 or more copies, the book will be got out within the year.

FRANK HODGMAN, '62,
 Climax, Mich.

Among the attendants of Chang Yeun Hoon, the Chinese representative at Queen Victoria's jubilee, are two young men who were educated in the Chinese school in Hartford, Conn.

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