

# The M. A. C. Record.

VOL. 6.

LANSING, MICHIGAN, TUESDAY, OCT. 23, 1900.

No. 6

## The Apollo-Aurora Basrelief Panel.

The following from Mr. Frederick Parsons, an English artist, is apropos of many questions concerning a cast of the original panel, to be seen in the parlors of the Women's Building. It was sent to the RECORD by Miss Keller in the hope that it would be suggestive for those interested in the panel. It is headed—Speculative Note Concerning the Apollo-Aurora Basrelief Panel (accredited to the Sculptor Thorvaldsen.)

In classic mythology, Apollo was one of the chief Greek divinities, to whom were ascribed powers of a very comprehensive nature. He was the god who *aided*, and turned away evil; the god who *punished*; the god of prophecy, the god who protected the flocks and cattle; the god of song and music, the god who delighted in men's civic progress, and the *god of the Sun*.

In Homer's writings, however, we find Apollo and Helios, or the Sun, are two distinct deities; and it is generally accepted that this association of Apollo with the sun was the outcome of later speculations and foreign influences.

In the absence just now of any data concerning this interesting basrelief and with a view to creating a deeper interest in classic subjects, this speculative note may assist the student.

It would appear that, Helios rather than Apollo was in the sculptor's mind as his principal figure here. Homer describes Helios as rising in the east from Oceanus, traversing the heavens, and descending in the evening into the darkness of the west. The later poets embellish this considerably. They tell of a magnificent palace in the east from which Helios, starting in the morning in a chariot drawn by four horses, rides to another palace in the west, and his horses are fed upon herbs growing in the Islands of the Blessed. This action corresponds fully with the central group of our panel. Preceding the horses we have a female figure undoubtedly meant to represent Eos, in Latin Aurora. Eos was the goddess of dawn and the ancient writers depicted her as riding in a rose colored chariot, covered with a veil, with a star on her forehead and one in her right hand. This beautiful allegory of sunrise, with its roseate hues of early dawn the veil of mist and the "bright and morning star" needs no detailed analysis. But returning to our panel it will be noticed that our Aurora in this panel is an entirely minor and subservient figure, a Herald as it were of the approach of the all-powerful Sun god. Again, we notice she has symbols in her hands, an allusion probably to the power of Helios, or Apollo, over music and song. In the foreground of our panel the man doubtless represents *night*, waiting when the sun has passed westward to throw, in turn, his mantle across the sky. The winged cupids, one apparently with the sceptre and the other with the wreath emphasize the sentiment of kingship and power. To the extreme left of the panel we have two

reclining female figures with the cornucopia of flowers, sheaf of wheat etc., showing, as it were, in a vision, the plentiful harvest and other material blessings that attend Helios, the summer sun in his giant course.

All this,—if it be all that the sculptor intended to convey—was surely well told and worth the telling. But one wonders whether the four swift and powerful horses may not hold some deeper thought. Helios drives them with whip and reins, he has harnessed them to orderly service and ornament, may not this in many points suggest the four seasons and their relations to the glorious orb of the day? And there may be other details herein unnoticed, every one of which has some symbolic or allegorical meaning well worth the unraveling.

But without dwelling longer on the possible details of the sculptor's parable in line and form, the broad interpretation of his story must appeal to every intelligent mind. The influence of the sun upon humanity at large, and especially upon the most natural and healthiest, rural life, corresponds with the powers attributed to Apollo by the ancient Greeks. He aids the husbandmen, his presence is a prophesy, he punishes at times, and, when he shines forth in all his glory on a beautiful spring morning, when all animate and inanimate nature sings aloud to the Great Creator, the sun is indeed the greatest Master of music.

It would therefore appear that his basrelief, apart from its purely æsthetic beauty and interest, has a living text for every one that "hath eyes to see" and diligence to understand it. Although the smock-clad plow-boy type as he tramped with "heavy shoon" to his field toil in the days of the English poet Thompson, has little in common with your lettered Michigan student, the boy will still whistle and the dairymaid sing at her milking, and youth of all ages and climes will ever respond to the music of spring's sweet melody,—the Music of Helios.

## Dedication of Women's Building.

We again publish the program for next Thursday, Oct. 25. There will be no classes during the day, and it is hoped there will be a large attendance at the public exercises at 10 a. m. in the College Armory. Admission free. The program for the ten o'clock meeting is as follows:

Music, orchestra.

Invocation, Rev. E. B. Allen, Lansing, Mich.

Music, orchestra.

Miss Maud R. Keller, Dean of Women's Department, Address of Welcome.

Mrs. Anna A. Palmer, Saginaw, Mich., Education for Practical Life.

Vocal Solo, Mrs. Annie Robson.

Mrs. Marie B. Ferry, Lansing, Mich., Educational Debts and Dangers.

Miss Mary Evans, President of Lake Erie College, Painesville, Ohio., Culture in the College Home.

Trombone Solo, Mr. B. Nagelvoort.

Mrs. Nellie S. Kedzie, Professor of Hygiene and Domestic Economy,

Bradley Institute, Peoria, Ill., The American Queen.

Mrs. Mary A. Mayo, Battle Creek, Mich., Flax for the Spinning.

Mrs. Lorraine Immen, Presentation of Books to Women's Department.

At the banquet to be served at 1 P. M. on the third floor of the Women's Building and to which admission will be by ticket, Capt. E. P. Allen of the Board will act as toastmaster, and the following persons will respond to toasts:

Dr. Eliza Mosher, Ann Arbor, Mich., "The Evolution of True Womanliness."

Miss Julia King, Ypsilanti, Mich., "Greetings from the Normal Schools."

Mrs. Ella Rockwood, Flint, Mich., "The 20th Century Girls."

Hon. Jason E. Hammond, Lansing, Mich., "The Boy's Side."

Hon. L. Whitney Watkins, Manchester, Mich., "The Country for Girls."

Hon. C. J. Monroe, South Haven, Mich., "Some of the Things Hoped for from the Women's Department."

Miss Julia Ball, Hamburg, Mich., "Women as Helpmates rather than Competitors of Men."

Mrs. Martha A. Keating, Muskegon, Mich., "The College Woman."

## Beet Sugar in Michigan for the Campaign of 1900.

The season for sugar beets in Michigan has been propitious, and the crop very promising. Notwithstanding the knock-out of the beet sugar bounty, the prospect for beet sugar in this State is bright. On visiting in September the beet fields around Bay City, the conditions were most encouraging—thousands of acres of beets in thrifty condition, daily packing away the condensed air and sunshine to form sugar. Nor was the sweetness confined to the beets, for a sweet look of prosperity covered the region—new barns, new houses, or improvements of the old buildings, new wagons and harness; the wife had a new dress and Mary Jane a new bonnet. "What is the cause of this prosperity?" "The farmers in Bay county for two years past have received between \$300,000 and \$400,000 a year for their beets, and this year they will get in solid cash a half million dollars for this extra crop. Why should they not prosper?"

Good reports come from other districts. A. N. Clark writes from Alma, Oct. 15, "the factory began slicing this morning, with the sheds full of beets, and all runs well so far. The beets continue to test well—14.7 per cent. One man's beets yielded him \$125 per acre."

The quality of the sugar this year promises to be superior. I received recently a bag of sugar made at the Michigan Sugar Co.'s Factory at Bay City, through the kindness of President Thomas Cranage. This is the first beet sugar I have seen of the campaign of 1900. It is a beautiful sugar and of extraordinary purity. Tested by the Schmidt & Hoensch Polariscope it shows 100 degrees of purity—in other words absolutely pure sugar! This is the

first commercial sugar (except rock candy) I have ever examined that showed 100 parts of pure sugar in 100 of material.

Not long ago I made analysis of six samples of cane sugar from the sugar trust, and the average of these six samples was 99.5 per cent. of sugar.

This sugar is admired by all who see it, and its praise is in every mouth that tries it. It is the kind of sugar we want for our people. Michigan can make it in unlimited quantity and of unsurpassed quality. Bounty or no bounty, Michigan will sweeten the conditions of living within her borders, and the blessing may yet overflow into neighboring states, and even into foreign lands.

R. C. KEDZIE.

## Tribute to Dr. Waterman.

A very pleasant incident occurred at the military hop last Friday evening.

Dr. Waterman, who has had charge of the military department at the College for the past two years, has recently been relieved of that duty by the appointment of a U. S. army officer as commandant.

The officers of the battalion took advantage of the occasion to publicly express their appreciation of Dr. Waterman, and as evidence of their regard presented him with a silver bread and milk set, consisting of three pieces, and bearing this inscription, "To G. A. Waterman, From the Battalion officers. M. A. C. 1900." The gift was presented by Capt. W. J. Bailey who spoke as follows:

BATTALION ATTENTION! In behalf of the officers of the battalion I wish to say a few words in appreciation of the services of Dr. G. A. Waterman whose retirement as commandant took place the past week. To one unfamiliar with military work or discipline it may seem odd that any feeling of fellowship could exist where to all appearances the only relationship is the giving and obeying of commands. But such is not the case. For although an officer may be merely carrying out prescribed orders, he has a certain individuality. In the two years in which Dr. Waterman has acted as our commandant this individuality has been most marked. His interest was such that he could call every cadet by name. His manner toward them has been most courteous and kind. His character has sent forth helpful influences and it has been a pleasure to work under him.

In recognition of these facts I therefore, in behalf of the battalion officers take great pleasure in presenting to you, Dr. Waterman, this token of their remembrance.

Dr. Waterman was greatly surprised, and visibly affected at this unlooked for manifestation of regard on the part of his officers. In accepting the gift, he spoke feelingly of the pleasant relations which had existed between himself and the cadets, his high regard for his officers, and asked that the same kindly courtesy which had been extended to him, be accorded to his successor.



# THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE  
MICHIGAN AGRICULTURAL COLLEGE.  
EDITED BY THE FACULTY,  
ASSISTED BY THE STUDENTS.

SUBSCRIPTIONS SHOULD BE SENT TO THE SECRETARY, AGRICULTURAL COLLEGE, MICH.

SUBSCRIPTION, . . . 50 CENTS PER YEAR.

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

Business Office with LAWRENCE & VAN BUREN Printing Co., 122 Ottawa Street East, Lansing, Mich.

Entered as second-class matter at Lansing, Mich.

For various reasons THE M. A. C. RECORD is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

The member of the Faculty who now has immediate control of the RECORD desires to make of this corner of the paper a place where he may talk frankly and familiarly to the students about matters which may arise from week to week. If it can be wisely managed, it will form a somewhat unusual feature of a college paper, and will certainly be helpful both to him who talks and to those who listen. The talker hopes that in talking his attitude will be distinctly recognizable as that, not of the traditional professor seated in the infallible chair and speaking ex cathedra, but of a citizen perhaps a little older and of wider experience, but still only a citizen in a community of common interests and common aspirations. What he may say may not always be palatable but it will always have as its sole motive the common good. If anyone desires to "talk back," he will be given a fair showing as long as he observes the singleness of purpose and courtesy of utterance that it is hoped will always characterize this column.

"Fatherly advice" as even an incidental part of a college course is belittled by many educators, and fatherly admonition of a certain specific kind is woefully out of date among the rising generation if the conduct of some more or less small boys at both the Bryan and Allison speeches in Lansing is sufficient basis on which to found so wide an induction. And yet I am old-fashioned enough to be a firm believer in both the fatherly advice for college students and the fatherly admonition of the kind spoken of for the small boy. At any rate, the father himself has not yet been abolished, and as long as he is allowed to survive he will always be made to feel that *other people's* children should receive "line upon line and precept upon precept," if nothing more distinctly corporal. Jest aside, I believe that the great body of students are far less radical in this matter of counsel and advice than are many instructors. The question is one rather of wise moderation and self-restraint in the adviser than of foregoing all attempt of that kind. However, this ponderous paragraph is not to be taken as indicating a desire or intention on my part to administer a weekly dose of Patent Evil Exterminator.

In a recent article in the Self-Culture magazine, Mr. K. L. Butterfield, '91, takes up and discusses one

of the knottiest problems of modern times—to introduce intellectual and social opportunity into the life of the woman on the farm. The article attributes large illuminative and fructifying power to the Grange and the Farmers' Institute. There is, however, one special remark that has peculiar interest for us. Speaking of girls graduating from women's courses in agricultural colleges, he says: "They must inevitably take rank among their sisters of the farm as leaders in demonstrating what farm life for women may be." It occurred to me, in reading the remark, to ask: How many of our girls realize the breadth and dignity of such a vocation or would be satisfied to have as the goal of their life's ambition to found and maintain a model middle-class country home? Yet if our women's course is to do a really great work for the State and the nation it must accomplish such work through this channel and no other. To make the country home restful, refined, and satisfying is to solve three-fourths of the problem of congestion of population in the cities with all its attendant corruption, and misery and crime; it is to brighten the life of childhood, to widen the horizon of manhood and womanhood, to give to the life that now is a greater dignity and to the life that is beyond a larger hope, to revolutionize the vital processes of a nation. What ambition could be grander or more inspiring? But no amount of standing off and theorizing will avail here. Teachers may talk and work in the class-room, theorists may draw glowing pictures, poets may sing of the beauties of nature and the independence of the farmer's life, and all will remain as it is. It is the devoting of oneself that tells. It is living the life that demonstrates. Verily, "he that humbleth himself shall be exalted." It is the woman who, without great means, but equipped with a knowledge of the actual material world about her, and of "the thoughts of men" that widen "with the process of the suns" goes out to "bury herself in the country," determined to make her home an inspiration and a challenge to her neighbors, and herself a power to develop and uplift her community—it is from nuclei like these that must come the power to revolutionize the national life. But in such a task there is no place for petty vanity or small and narrow conceptions of life. The giant task requires the giant strength—the noblest intellect, the broadest culture, the soundest judgment, the strongest character, and, above all, absolute self-devotion.

The Y. M. C. A. hand-book just out is one of the neatest and most serviceable booklets ever issued by the Association. Great credit is due those who have had the matter in hand, for the accuracy of the directory and the painstaking care everywhere evident. It is somewhat invidious, where there is so much to praise, to single out one point for adverse comment, but the remark seems so thoroughly unaware of its own cruelty and will be read by so many with unmerited and concealed pain that I cannot get my own consent to pass it over. It runs as follows: "A judicious use of the training given in these [literary] societies is necessary to the best development of a college student and *no student can afford to go through college without joining some society.* [Italics mine.] After

all that passed last year in connection with a certain resolution of the Board of Agriculture one must conclude that this is either one of the most savage of jests or the most delicious piece of unconscious humor ever perpetrated. In either case, however, it is equally cruel on the helpless outsider, although we gladly exonerate the writer from any such intention. By the way, boys, what are you going to do about this society business? for, after all, it is your problem, not the Board's. The remark is a perfectly just one—no student *can* afford to go through college without joining some society. Now what are you going to do about it? Some day I am going to write an article on the ideal college literary society which may possibly help in the matter.

Is is a curious comment on human nature that in this presidential campaign the only violent meetings of all the thousands that have been held should couple the two extremes of civilization—the ruffianly cowboy of the untamed west and the college student of Cornell and the University of Michigan. What is there in common between these two, the ruffian and the college student, that should cause them under the same test to exhibit an identical phenomenon? As affecting the votes nothing could be more inanely stupid, and it would seem that while the ruffian might fall into the error of supposing that ideas can be overcome with bludgeons or rotten eggs, the student should know enough at any rate of his own country's history to have learned that applying brute force against ideas is like throwing stones at a stick of dynamite. In a matter of brains there ought to be a well-defined distinction between the student and the ruffian. The same is true in the matter of courtesy—surely the training of the student should differentiate him from the hoodlum. Where, then, does the similarity base itself? I should say that the basis is found in the sense of personal irresponsibility engendered by frequent or habitual action in mobs or disorderly gangs. It is the whoop-er-up-boys spirit, the spirit that finds it safe and shameless to let loose its meanest and lowest impulses under cover of a crowd or of darkness,—it is this spirit that will transform any college student and make him indistinguishable from the stupid and graceless ruffian. While I read these things of the students of other institutions, it was with a peculiar thrill of pleasure that I recalled that in the three great meetings held in Lansing this fall, not one single unseemly word or sound came from any of our 500 college students.

Through a misunderstanding for which nobody in particular is to blame, the representative of the Union Literary Society on the board of editors for the RECORD was omitted. Mr. H. E. Young will be their representative for the present year. A meeting of all the society editors is hereby called for 6:30 p. m., Wednesday, Oct. 24.

## Cook-Carruthers.

The marriage of Mr. Albert B. Cook of '93 and Miss Frances Carruthers occurred Wednesday afternoon, Oct. 17, at the home of the bride's mother, near Bancroft. About eighty guests witnessed the

simple but impressive ceremony, which was performed by the Rev. Hanks of Owosso. The bride was unattended and was gowned in white mousseline de soie and carried a large bouquet of bridal roses. After offering their congratulations, the company sat down to an elaborate supper served at small tables. Several guests from away were present—among whom were Mrs. Beal, Miss Proud, Mrs. Kedzie, and Miss Kedzie from the College.

The popularity of the young couple was shown by the many and beautiful gifts which they received. Amid showers of rice and the ringing of bells, they took an evening train for the east. After a short trip, Mr. and Mrs. Cook will be at home on their farm near Owosso, Michigan. P. K.

## Ranney-Bristol.

The marriage of Miss Teresa A. Bristol, '99, to Mr. Ellis W. Ranney, '00, took place at the Bristol homestead, Elmont, Mich., at noon Wednesday, Oct. 17. M. A. C. was represented at the wedding in the persons of Messrs. J. L. S. Kendrick and C. A. McCue. When M. A. C. students plot together to do a thing the unexpected always happens. Of course these two got through the ceremony all right; that was to be expected. But after the ceremony, long ere the time of their departure was at hand, the newly wedded pair were missing. The explanation of their mysterious disappearance runs something like this: Baggage was all at the depot beforehand, a fast steed stood hitched in a secluded place behind the barn. Rumors of "old shoes" were in the air. Ranney, bareheaded, went out one door. Mrs. Ranney (that's "Teresa") also bareheaded, went out another door through the garden. Ere the guests were aware the loving pair were almost at Romeo. There was a train waiting for them. Pursuit was in vain. We congratulate them upon their escape, and with a whole host of College friends wish them success and happiness all their lives through. Mr. and Mrs. Ranney will be at home near Belding after November 1st. C.

## Botanical Club.

A very interesting talk was given by Mr. Gunson on "Glimpses in Botanic Gardens of Europe." He spoke first, of the great Kew gardens as the greatest of all plant collections, embracing 79 acres of garden and 170 acres of arboretum, of the magnificent system of control and the arrangement of plants in groups representing different sections of country, with an especially competent person in charge of each. The garden is essentially a government affair, the educational feature being almost entirely lacking.

From here he went to Leiden then to Brussels, Paris, and Belfast, giving a pleasing description of each. The Dutch gardens hardly compare with the English. The French were very formal and grand in their style, seeming to enjoy the roads of the garden more than the garden itself.

Messrs. Wermuth and Bullock had the good fortune to find a new species of rust for Michigan (*Phragmidium obusum*) the teliospores of which Prof. Wheeler exhibited under the microscope.

R. L. B.



**Football.**

The football team of the Detroit Athletic Club showed far better team work and weight than last year and they won over M. A. C. last Saturday because of their heavier and more experienced men.

Only three of our last year's team entered the game, and four have not played football before this fall on any regular team.

It has been impossible to keep the same team together for successive games, but the boys put up a gritty game throughout, and their condition and capacity to make a strong brace was shown in the last fifteen minutes of the game, when they outplayed D. A. C. and won their only touchdown by straight hard football, Buckeridge being pushed over for a touchdown. Pingree was easily the star of the game.

M. A. C. kicked off to the fifteen yard line, and stopped its progress after a return of fifteen yards. D. A. C. by spirited mass plays on tackle chiefly, carried the ball steadily down the field for a touchdown in five minutes without losing it. This seemed a little discouraging to our boys, but they made a brace and D. A. C. was enabled to score but once more in the rest of the first half, when the score stood 10 to 0 for Detroit.

In the second half D. A. C. made two touchdowns in ten minutes of play, when M. A. C. took on renewed snap and determination and played the game fast and together, working Buckeridge over for a score. Captain McCue kicked a pretty goal from a difficult position. Score, at end of game, 21 to 6.

**THE LINE-UP.**

M. A. C.		D. A. C.
McCue (Capt.)	left end	{ Ellis, Patrick, England
Phillips	left tackle	Remick
Decker	left guard	Murray
Shedd	center	Andrews
Olmsted	right guard	Eberts
Ricamore, Case	right tackle	Nunneley
Ireland	right end	Wilson
Crosby	quarter	Bryant
McLean	left half	{ Pingree, Ellis, Ryan (Capt.)
Blanchard	right half	{ Pingree
Buckeridge	full back	Dalby

Touchdowns—Dalby, Remick, Pingree, Nunneley, Buckeridge. Goals from touchdowns—Bryant, 1. McCue, 1. Referee—Walter Brooks, Harvard. Umpire—Lyons, Olivet. Linesman—Charles Young; assistants, Vaughan and Lightner. Time of halves—Twenty-five minutes.

The second team played a good snappy game with the Deaf and Dumb School at Flint, with a score of 12 to 5 in favor of Flint. Brewer, Waterbury and Tayler distinguished themselves on the side of M. A. C. The game is said to have been quite exciting.

**A Farm Note.**

When the Agricultural Seniors were responding to roll-call in our building on Monday last their eyes caught this official announcement from the board, usually so prosaic in its subject matter.

"My son, 12 hours old, Dwight Curtis Mumford, pays his respects to the class of 1901, and begs to announce his intention of entering the Intercollegiate Live Stock Judging Contest.

"HERBERT W. MUMFORD"

The boys were not slow to see, and a call for "three cheers for our

new professor" met a hearty response. This latest addition to our staff, on his arrival, tipped the beam at nine pounds. The senior professor says his *points* are perfection.

**Farmers' Club.**

The program of the Farmers' Club last Wednesday evening consisted of a talk on "Farming in Holland," by Thomas Gunson. He said: The Dutch farmer is not spoken of in an apologetical way by his city relatives as is the American farmer. The saying that the strength of a country lies in the cultivation of the soil is particularly true of Holland. The soil which consists of rich deposits of the North Sea, grows almost perfect crops. The secret of success of the Dutch farmer lies in his ability to conserve the fertility of his soil. He has only one implement on wheels and this can hardly be called a wagon though it serves the purpose. He hauls his crops to market in a boat which he and his wife tow along the canal, and brings back a load of manure in the same manner. All operations of the farm are done in this laborious manner. He has no music or paintings in his house, but lives on dry bread and canal water, and labors long days and part of the night, not having time even to talk with his neighbor across the fence. Everything he has in the world is taxed. The Dutch farmers now have on foot a project to reclaim half a million acres from the North Sea at a cost of fifty million dollars, and think it will pay. Their education is limited but well defined. The Dutch farmer is afraid of the American hog, but as for our butter it is used in Europe to grease wagons. The talk was altogether very interesting and enjoyed by all present.

A. C. M.

A serious fungous disease has appeared during the present season in the asparagus beds at the College. Prof. Wheeler states that this disease is making rapid progress

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throughout the state, though it was never known in this country until five years ago. The rust is of yellow color and attacks the stems of the plants causing them to shrink

up. The only preventive remedy thus far proposed is to cut the stalks as soon as the disease makes its appearance, and burn over the whole plantation.

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### News From Old Students.

Jos. T. Berry, '96, is assistant postmaster at Bemidje, Minn.

J. J. Parker, with '00 is sick with typhoid fever at the city hospital.

R. A. Latting, with '97, has been very ill for some weeks, but is now recovering.

A. C. Burnham, '93, is now a member of a publishing firm in New York City.

A. M. Patriarche, '98, has been visiting his brother H. K. Patriarche during the past week.

W. J. Myers, '90, after an examination on the 2d and 3d inst., was admitted to the Illinois bar. His address is 6848 Emerald Ave., Chicago.

C. E. Walter writes from Christiana, Norway, under date of Sept. 24, that he is traveling in Norway and Sweden making stereoscopic negatives. He expects to be there a year. His address is Christiana, Norway.

An article by K. L. Butterfield, '91, on Grange Work in America has appeared in the "Irish Homestead," a paper published in Dublin. A few days ago Mr. Butterfield received a letter from a German editor asking permission to use the article in his paper.

Word has just reached us of the death of Ross G. Monroe which occurred at his home at Rochester, Mich., Oct. 1. Mr. Monroe attended the college only a part of the school year of 1898-99, being obliged to give up his work here on account of poor health. His friends at the College extend their sympathy to his sorrowing parents and friends.

J. H. Brown, with '87, formerly connected with the *Michigan Farmer*, is now editor-in-chief of *Up-to-Date Farming and Gardening*, a monthly rural home magazine, published in Indianapolis, Indiana. It will be a part of Mr. Brown's work to travel considerably and see things for himself, making report of what he sees, through the columns of his paper.

F. H. Hillman, '88, is now at the College working up the clovers of the United States for the Department of Agriculture at Washington. His work will require him to travel over a large part of the U. S. In a conversation he expressed the opinion that the state of Nevada was preeminently adapted to sugar beet culture. The industry has attained large proportions and the percentage of saccharine matter in the beets is wonderfully high.

### Campus Notes.

Dr. Beal went to Ann Arbor Saturday on business.

Mrs. Haner and a delegation of M. A. C. co-eds attended the State Y. M. C. A. convention at Albion.

Among the visitors at the military hop were Mrs. Strangway and daughter Susie, of Flint, guests of Mr. J. C. Green.

The chemical department has received a complete set of the products of the Diamond Soda Works of Milwaukee, presented by Mr. H. E. Harrison, '88.

The Democratic students have organized a Democratic club with a membership of about forty. J. H. Skinner is president, and L. B. Littell is secretary.

The first military hop of the year was held in the armory last Friday

evening from 8 to 11:30 o'clock. About 75 couples attended. Bristol's orchestra furnished the music.

The work of grading the new athletic field has begun. This work will cost about \$200 which amount will be raised by the athletic association. It is understood that the State Board will fence the field.

The junior mechanical class in metallurgy will spend Oct. 26 and 27 in Chicago inspecting some of the large industrial plants there. The Illinois Steel Co., one of the largest plants in the world, will receive particular attention.

Three fine new lathes have just been set up in the machine shop. They are placed nearly in the center of the shop, leaving but little vacant space where the wide aisle used to be. The lathes were made by the American Tool Works Co.

The senior class in stock judging made a stock-inspecting tour last Saturday. The class inspected the Holstein herd on the asylum farm at Pontiac; the flock of 150 sheep owned by William Newton which is being fitted for the international exposition at Chicago; the Rambouillet flock, owned by Wykoff and Green, at Orchard Lake; and the American Merino flock belonging to H. E. Moores at North Farmington.

Mr. Irving Gingrich, '01, has just started his thesis work in the west forcing house. His experiments are to show the effect of incandescent lamps on the prolificness, maturity, size, color, and duration of carnations.

Two beds 3 ft. x 35 ft. are used, the one containing sandy loam with commercial fertilizers, and the other sandy loam with composted manure. One-half of each bed receives the natural alternation of light and darkness, while the other half receives artificial light throughout the night from two thirty-two candle power lamps, which are shaded, to confine the rays to the experimental bed. The plants used are in very good condition and comprise the Portia, Jubilee, Daybreak, Scott, Ivory, McGowan, and Rose Queen varieties. W. K. W.

### M. A. C. Hospital.

The College authorities feel that there must be a pleasant retreat under the charge of a competent nurse and matron for the sick or injured of the student-body. Accordingly the hospital is provided with suitable and comfortable beds and other furniture such as is essential to a well equipped hospital. They have secured the services of Miss Rowena Ketchum, a thoroughly trained and able nurse, who will at all times attend to the wants of patients.

These hospital advantages are open to all the students of the M. A. C. at the very low rate of five dollars per week. Of course, this does not include physicians' fees or medicine. Considering the home care and comforts offered, this rate of five dollars must be regarded as absurdly low, and within the reach of anyone who may be suffering from the ailments of the body.

After providing a nurse and a comfortable hospital for the sick, the College authorities feel justified in requiring that every sick student be at once transferred from the dormitories to the hospital.

# We Welcome

## THE STUDENTS' RETURN AT THE M. A. C.

It gives new life to the Capital City. We cordially invite all to make their home at our store. Mr. Homer Burton and Mr. Arthur Hart will make daily trips to every one who desires to see them on the M. A. C. grounds or in the vicinity. If you are not called upon drop us a postal and we will call. Samples sent on application.

### We Guarantee Satisfaction.

## Visit Donsereaux's Department Store, and the Donsereaux Clothing and Grocery Store.

312 to 320 Washington Ave. South. One door south of Hotel Downey.

### CHAS. A. PIELLA . .

JEWELER AND OPTICIAN.

DIAMONDS, WATCHES, JEWELRY, CLOCKS, SILVERWARE, ART GOODS.

Repairing Neatly Done.

121 Washington Ave. N., Lansing, Mich.

### 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 REUTER.  
Washington Ave. South.

### FURNITURE DEALERS.

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

### HACK AND BAGGAGE LINES.

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

### HARDWARE, STOVES AND TINWARE.

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

JACOB STAHL & SON.—Wholesale and Retail Hardware and House Furnishings. 211 and 213 Washington Avenue North.

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### LAUNDRIES.

THE VAN GORDER PALACE LAUNDRY. College agents, Rudolph and Mills. S. P. Lantz, Prop.

TAKVORIAN & JEWELL.—Agents for STAR LAUNDRY. We return your work on Thursday p. m. Either high polish or dull finish. No saw-edge collars.

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MRS. O. T. CASE—Manicure and Hairdressing Parlors. Masquerade wigs for rent. All styles of hair goods in stock or manufactured on short notice. New phone 118. 222½ Washington Avenue S., up stairs.

### MERCHANT TAILORS.

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

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

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THE POST & BRISTOL CO. Pianos and everything in the line of music and musical instruments. 219 Washington Ave. N., Lansing, Mich.

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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.

### RESTAURANTS.

GILBERT M. HASTY, Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. Quiet place for adies. 118 Wash. Ave. S.

# 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.

### ARCHITECTS.

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### BARBERS.

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

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### BICYCLES AND ELECTRICAL SUPPLIES.

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

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D. E. PARMELEE—Dentist. 218 Washington Ave. S., Lansing, Mich.

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

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

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