

# The M. A. C. Record.

Vol. 7.

LANSING, MICHIGAN, TUESDAY, SEPTEMBER 17, 1901.

No. 1.

## The New M. A. C. Teachers.

There are several changes in the teaching force of M. A. C. this year as was the case at the beginning of the last school year, and for the purpose of introducing the new teachers to students and friends of M. A. C. the sketches that follow, it is believed, will be helpful.

Some of the changes that have been made are due to resignations while other changes are actual additions to the teaching staff.

MISS MAUDE GILCHRIST, B. S.,

who succeeds Miss Keller as Dean of the Women's Department is a graduate of the Iowa State Normal School, 1880, and a graduate student of Wellesley College, three years, and of Göttingen University, Germany, one year, her particular lines of study being Botany, Mathematics, Literature and History.

Miss Gilchrist has done successful teaching in her Alma Mater, Wellesley College, ten years as Instructor in Botany, and the Illinois Women's College, four years in which Institution she was lady principal and from which she resigned to spend the past year at her home, Lawrens, Ia.

In her graduate work Miss Gilchrist has won distinction in Botany having had, at different times, instruction under such men as Bessey, Hallowell, Goodale, Setchell, Peters, and Berthold.

GEORGE EDWARD DENMAN, A. B., William's College, '98, is the successor of Chas. O. Bemis as director of physical culture for men.

After graduation, Prof. Denman taught American History and English in Riverview Academy, Poughkeepsie, N. Y., also having charge of the athletic work. During '99 and '00, Prof. Denman attended lectures on political economy and science at Columbia College, playing half back and full back on the famous '99 football team. For the past year Professor Denman taught French and Latin and was director of athletic work in Central University, Ky., resigning his position to come to M. A. C.

Prof. Denman is a native of Mass. In his Williams' career, he was for three years half back on the football team and was on the track team two years, his specialty being the mile walk.

GEORGE SEVERANCE, B. S.,

Instructor in Agriculture, in the department of Animal Husbandry, was graduated from M. A. C. with the class of '01, agricultural course. Before entering M. A. C., Mr. Severance attended the State Normal school at Ypsilanti.

GEORGE C. HUMPHREY, B. S.,

M. A. C., '01, becomes instructor in Animal Husbandry, succeeding Mr. Ferguson who acts as Assistant Professor in this department, owing to the rearrangement of work necessitated by Prof. Mumford's resignation.

WALTER W. WELLS, B. S.,

Instructor in Mechanical Engineering, was educated at Albion College and M. A. C., being graduated

from the Mechanical Course with the class of 1901. He succeeds Mr. Reynolds as instructor, the latter having charge of the work of Prof. Diemer, resigned.

JESSE J. MYERS, B. S.,

instructor in zoölogy is a graduate of the Geneseo, Ill., High School and of the Illinois State University, in which institution he has been laboratory assistant for the past year.

Mr. Meyers is an Illinois man his home being at Green River.

PHILIP H. STEVENS, B. A.,

succeeds Mr. Brown as instructor in English and assistant on the M. A. C. RECORD.

Mr. Stevens is a graduate of the Norfolk, Nebraska, high school, 1894, and of Iowa College, Grinnell, Iowa, 1900, which latter place is his home.

J. E. BRASEFIELD, M. S.,

Instructor in mathematics was graduated from Lafayette College in '95, taking his Master's degree in '98.

He has spent one and one-half years in civil engineering and was employed for a time by the Maryland Steel Co. as draughtsman. Mr. Brasefield has taught in the Pennsylvania State Normal School and more recently has been head professor of mathematics in the Franklin and Marshall Academy, located at Lancaster, Pa. Mr. Brasefield is a Phi Beta Kappa man.

HARRY M. GOSS, B. S.,

Assistant Librarian for the ensuing year, is an alumnus of M. A. C., class of '93.

For the past eight years Mr. Goss has been in business at Plainwell, Mich. His previous experience in library methods consists of assistant work done in his senior year at M. A. C.

GEORGE D. WHITE, B. S.,

M. A. C., '01, becomes Laboratory Assistant in Chemistry while pursuing further study in his chosen line of work.

ROBERT S. NORTHPROP, B. S.,

Is a graduate of the Lansing High School and of M. A. C., '01, being in the Horticultural division of the Agricultural course.

He becomes Laboratory Assistant in Horticulture by reason of the increase of work in this department. Besides the assistant work, Mr. Northrop will take up post-graduate studies.

## State Fair at Pontiac.

The 52d annual State Fair will be held at Pontiac Sept. 23-27. The buildings are new and ample, having been erected purposely to accommodate the State Fair. Railroad trains and electric cars run to the gates. One of the special days is Friday, the 27th, which has been designated Maccabee day, prizes being offered for K. O. T. M. and L. O. T. M. team drill. The College will make a strong exhibit.

## An Enthusiastic Endorsement of Our Mechanical Course.

[The following from a letter written by one of our graduates, now instructor in steam engineering and mathematics in the North Dakota Agricultural College, contains so much that the new student may ponder with profit, that we give it space in our columns at the opening of the College year.]

The Michigan Agricultural College is a good place for a young man to study engineering, because it is a place where he will be trained to work hard, and study hard; because the instructors are capable, enthusiastic, sympathetic, and easily approached; and because there is a spirit of industry and studiousness that pervades the whole place and impels students to do their best.

The educational value of the mechanical course may be summed up in a few words. It makes the most of three good points; the teaching of the best theory in the best manner, the opportunity for the most practice in the given time, and the development of the greatest amount of good hard common sense that the student is capable of in four years. Since it is mental and physical training rather than subjects studied, that makes up the larger part of an education, it follows that the mechanical course which requires the most persistent effort both in the workshop and the class room, together with the closest of observation, must make educated men.

The engineer's sphere of action is not local, but covers the whole world, and the things he is asked to do are all building and all manufacturing, both present and to come. It is unwise then for a school to offer a narrow, specialized course to the undergraduate, when what he needs is a training in the basic principles of engineering which will give him a firm foundation to build on. The M. A. C. is fortunate in taking a broad view of the matter, and that is a very strong reason I have for recommending her mechanical course. Her engineers have entered nearly every branch of engineering and have been uniformly successful, thus emphasizing the advantages of a liberal course.

I believe the mechanical course at M. A. C. is a good thing, and I congratulate both the freshman who enters and the senior who graduates.

P. L. ROSE, '99m.

## Dr. Kedzie in Denver.

[The following, sent us by F. J. Niswander, '89a, deputy auditor of the state of Wyoming, Cheyenne, Wyo., is from the *Denver Republican* of August 28, and appeared under the caption "Some Characters of the Convention," (American Association for the Advancement of Science). The notice was accompanied with a handsome portrait of the Doctor. We are under obligations to friend Niswander for kindness in forwarding a copy of the paper.]

R. C. Kedzie, professor of chemistry in the Michigan Agricultural College, is affectionately venerated

by the members of the American Chemical Society as one of the founders of that institution. He had charge of the third university chemical laboratory instituted in this country, and of the first one to be opened in an agricultural college.

Dr. Kedzie has held his present position with the Michigan College since 1863. He is a venerable man, but still a blazer of new paths in his chosen profession. He was for some time president of the Association of Agricultural chemists, and as president of the Michigan State Board of Health was the first man to inaugurate a crusade, which has swept all over the country, against the arsenic processes used in the manufacture of wall paper. So active was he in this work that the discontinuance of this method and the institution of a new process more agreeable to the policy of public health has become general in the manufacture of all kinds of wall papers. By his efforts he succeeded in raising the required standard for kerosene oil in his state, an innovation that has contributed much toward the public safety.

In Denver there are several men who especially revere the name of Prof. Kedzie. Cass E. Herrington, and his brother Tom, and Lucius W. Hoyt, secretary of the Colorado Bar Association, studied under him in their college days.

The beet sugar industry in this and the Western states is now receiving particular attention from Dr. Kedzie, who discussed it in a paper read yesterday before the society for the Advancement of Agricultural science.

## Battalion, Attention!

Every cadet must present his classification card at the Armory office between 5 and 6 p. m. *not later* than Friday Sept. 20th.

All commissioned and non-commissioned officers will report in uniform at the Armory Monday Sept. 23d, at 5 p. m.

Co.'s A, B, C, and D, the Band, Field and Staff will report in uniform upon their respective parade grounds Tuesday, Sept. 24th, at 5 p. m.

Recruit Freshmen will report in the Armory Sept. 24th at 5 p. m.

All applicants for the Band with musical knowledge will report to the Adjutant by Thursday, Sept. 19th.

By order of

MAJ. VERNON, Cmdt.

FLOYD W. OWEN, Adjt.

## Mechanical Notes.

The Machine Shops and Laboratories have been in operation most of the vacation, being closed only a few weeks in August for repairs and for the purpose of arranging new machinery.

Positions of some of last year's class:

J. G. Aldrich and W. J. Bailey are employed in the Woven Wire Steel Mill at Monessen, Pa.

F. L. Radford is with E. Bement's Sons, Lansing.

M. L. Ireland is with the Northern Pac. R. R. Co.



# THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE  
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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.

Communications and other matter pertaining to the contents of the RECORD should be sent to Howard Edwards, Editor of the RECORD.

THE RECORD acknowledges with thanks a "Press complimentary" to the Fifty-second annual State fair at Pontiac, Sept. 23-27.

The year opens for us quite auspiciously. From early morning until late this afternoon students have been crowding the doorways and halls of the library building and the attendance promises to be all that our equipment will accommodate, and even more. We shall be able to tell our friends more about the opening of the term after the present week is over and the records have been made up. Just now we simply note the omens.

On another page we give the names of the new men and women in our faculty for the coming year, and a brief sketch of each. This is intended as a sort of introduction to our community. They come in the place of those who have gone from us to other fields of work. That we do not give equally large space to eulogy of these latter does not arise from any lack of appreciation for them or their work. For the information of their many friends we would briefly summarize results as follows: Prof. H. W. Mumford has gone to the University of Illinois as professor of animal husbandry. Miss M. R. Keller will study for a year in Columbia College. Prof. H. Diemer is associate professor of Mechanical engineering in the University of Kansas. Prof. C. O. Bemis has returned to the ministry and has a church in Western Pennsylvania. Mr. V. E. Brown, at last accounts, was journeying in Canada.

H. E.

## In Memoriam.

In honor of the deceased President, on Thursday, Sept. 19, all work will be suspended at the College, and memorial exercises will be held at 2 p. m. in the Armory. There will be speeches from distinguished representatives of the pulpit and bar. Students are earnestly requested to attend these exercises and to observe the whole day in a manner befitting its character as a day of national humiliation and prayer.

H. E.

At Dr. Kedzie's, L. J. Briggs, '93, assistant chief of U. S. bureau of soil physics, Washington, D. C., and his wife, formerly Miss Katherine Cook, '93, and their daughter, visited in vacation.

## Chasing Sunset.

Taking the Grand Trunk train 8:15 a. m. at Lansing I made my journey to Chicago on August 22d, and stepped aboard the Pullman sleeper in Chicago on the Burlington train at 4 p. m., for a trip to Denver, Col., the same day and entered Denver at 7 p. m. the next day. The speed and comfort of travel on the two railways is suggested by the journey to Chicago and the trip to Denver. Do not talk to me about "the seven-league boots" of childhood's tale. The wild dreams of the childhood of the race are outstripped by the facts of the manhood's prime. A trip of a thousand miles amid the comforts and luxuries of a parlor, is only a day's march into the expansive and illusive west.

The meetings of the American Association for the Advancement of Science I will not try to describe in detail. They were held in the Denver high school building—that distinctively *American palace* of the common people—greater and richer than the palaces of royalty, because it makes one people out of all the races that crowd our shores.

## OUR BOYS.

Just as everywhere I go, I felt rich and proud to meet the old students of M. A. C. There were none to shun or ignore; none that needed excuse or apology. Here was an attorney who was counsel for a great industry that was glad to retain his services at a salary of \$10,000 and who declined to be the mayor of Denver because he could not afford the time; here was an irrigation engineer who was the standard authority on water and its agricultural uses not only in Colorado but in all the west; a botanist, entomologist, chemist, etc., etc., high in their position and honored in life. It makes the old heart throb and old eyes brighten to meet the old boys and clasp their hands.

## SUGAR BEETS

Of course I had to talk about sugar beets and that land of promise—Michigan. I read a paper on the development of the beet sugar industry in Michigan. It is a subject that attracts interest among a large number of scientific men, and the paradise of the sugar beet is conceded to be Michigan, yet some contended that they could compete with Michigan in this industry.

It was a surprise to learn the price of farm lands that could be irrigated. Alfalfa farms within a few miles of Denver are worth \$200 per acre, and truck farms from \$300 to \$500. In the city one is wakened at 3 a. m. by the roar of the market wagons pouring into the city, and this continues till 6 a. m. when comparative quiet follows, the market being stocked.

## FRUIT DAYS.

One peculiarity of Colorado is a day set apart each year to bring before the public the arrival of the opened season for some kind of fruit. For instance, Rocky Ford is known as the great centre of production of the best kinds of melons. At the proper time a day is advertised as *Melon Day at Rocky Ford*, and the people gather in Rocky Ford on that day to gorge themselves with melons to their heart's (stomach's) content without money and without price. The result is

that Rocky Ford melons are known all over the west, and are well known and patronized in Chicago. In like manner Peach Day is observed at Grand Junction, and Potato Day in Greeley. Greeley will get rich on potatoes, as they retail at 4 cents a pound in Denver. Two dollars a bushel is pretty steep for potatoes.

I visited Colorado Springs; saw the Garden of the Gods, but did not meet any of the deities as they were away on a vacation; drank from the Soda Spring of Manitou, and went to the peak of Pikes Peak, only to find myself in a dismal fog; for a cloud covered the mount.

I went from Colorado Springs to Cripple Creek to look at the most wonderful gold fields on the earth. The Cripple Creek is about 6 or 7 miles from Colorado Springs "as the Crow flies," but by rail it is 41 miles, the traveller rising 3000 feet in passing that distance.

It surprised me to find the weather hotter in Denver than in Michigan. The mountain air is not what it is claimed for coolness and exhilaration. I carried warm clothes and a heavy overcoat, and brought them all safely home again; I also carried and brought back some good advice from my friends, how not to catch cold and how to avoid accidents. This advice I still have on hand and will cheerfully give it to anyone wanting it. On the whole I return with the conviction that Michigan is a very good state to return to, even from the golden hills and mountain peaks of Colorado.

## MEMBER OF CLASS OF '64.

One pleasant feature of my return trip was a visit with S. M. Millard, '64, a leading lawyer of Chicago, and trustee of Illinois University 1879-91. He was a member of my first class in chemical analysis in 1863, and is a personal friend to this date.

## VISIT TO SOUTH CHICAGO STEEL WORKS.

To the inquiry, "What do you especially want to see in Chicago?" the answer was "the Chicago Steel Works during the strike." Armed with a permit from headquarters we took the car for South Chicago, but found no evidence of the strike, for the works were in full operation, and I saw the progressive steps from ore to steel rails. The thing that struck me was the progressive elimination of human toil and the substitution of machinery in this great industry. A certain amount of work was done by common laborers—Poles and Hungarians—in loading a prescribed number of barrow loads of ore, coke and flux (limestone) into a car for a charge for the blast furnace, but from this point the hand of man did not touch or handle directly the material till it came out from the rollers as finished steel rails to form the roadway for the land commerce of the world. The machinery, under the guiding hand of the skilled workmen, could do everything *except thinking and feeling!* The earthy-looking ore was changed to pig iron in the blast furnace, this was carried and poured directly into the Bessemer converters where a blast of air was forced up through the liquid iron, burning off the excess of carbon in the pig iron and converting it into steel. This was then poured into moulds to cool and form the steel billets for the rolling mill. These billets, heated red hot, are then passed through the

rolls of the rolling mill, passing and repassing, till drawn out into long, glowing bars fit for the rail mill, where they receive their final form. These rails are sawed off at the ends to give them the proper length and the finished product is ready for the world's work. But in all this round of transformation from blast furnace till it was the finished rail, it was not directly handled by human force; all was done apparently by automatically acting machinery, but under the guiding hand of the expert workman. Not a hand was lifted. No tongs in the hands of man controlled the result. All was done by machinery, devised and directed by the human brain. Talk of Aladdin and his lamp! Behold a greater than Aladdin was there! The chemist of the works told me that the time required to transform ore into rails was two hours.

I spent a night with Mr. and Mrs. Millard enjoying their charming hospitality at their log cabin in Highland Park. Nothing can be more delightful than the log cabin and the seven acres of wooded lawn on the banks of Lake Michigan, where the beauties of nature are only enhanced by the subdued touch of art. The seed sown at this College by Professor Holmes and Professor Prentiss has produced a good crop at Highland Park.

R. C. KEDZIE.

## To Colorado in Vacation.

Although often stated in educational journals, it is rarely comprehended by students of today that a knowledge of botany has advanced more in the past fifteen to twenty years than in all former years combined. When our present professor of botany was a student at the university of Michigan and at Harvard, no undergraduate received more than six weeks of daily work in botany, and many universities and colleges had no botany whatever in their courses of study. At Harvard there was an opportunity for electing four weeks more than the required six weeks, but very few elected it. The time of botanists in those days was chiefly devoted to systematic botany, morphology, and the geographical distribution of plants. These were three fields of work closely related, and we have them still with additions, and five others at least have been added, viz., plant histology, plant physiology, ecology, bacteriology, and the study of parasitic and saprophytic fungi.

Through the rapid development of agricultural colleges and work in the U. S. Department of Agriculture, there was an opportunity for a student to earn a living by way of a knowledge of plants.

Other colleges followed in teaching botany, and today there are hundreds of well-trained enthusiastic teachers helping to convince the world that botany in any of its departments is a charming and valuable study for pleasure, information, discipline and culture.

The reader will see that what precedes shows the necessity for the older botanists to constantly bestir themselves to keep abreast of the times. We consult each other by letter, in person, or meet in conventions. We visit a number of the best equipped laboratories of this country or of Europe and remain long enough to secure many hints that will be of value in work with our classes. This shows why I went to Denver in August. It was



not so much to satisfy a curiosity to see for the first time some of the country west of the Mississippi, as it was to meet live men and exchange views with those engaged in the study of plants.

The American Association for the Advancement of Science was organized over half a century ago and now has sections for ten kinds of work. Each of these has so much of interest for its members that the chemists have no time to look after the botanist or the geologist. The Society for the Promotion of Agricultural Science was started twenty-one years ago and has a select membership of nearly eighty members. Dr. Kedzie and the writer have long been members and both of us had something to say at Denver.

The Botanical Society of America also met at Denver and consists of some of the fellows of the A. A. S. These are stirring men, all of them on the alert for the best new things about plants. The American Forestry Association met at Denver and I was very glad to have a chance to meet and hear Gifford Pinchot, Chief of the Bureau of Forestry at the National Capitol, as well as a number of others. Mr. Pinchot and myself agreed exactly on the best kind of work for students of M. A. C. to engage in, provided they could elect one study for each term of the Senior year and devote it to the subject of forestry. Besides the half term of forestry we now have in the junior year the work would consist of a study of systematic botany of 100 kinds of trees, of the peculiarities of wood as seen by the aid of a compound microscope, and a knowledge of how a tree lives and grows.

I took a room in the 9th story of a hotel where I could look out on the Rocky Mountains and let them make an impression. I lunched and talked and mentally feasted with C. E. Bessey, '69, B. D. Halsted, '72, F. J. Annis, '75, L. G. Carpenter, '79, W. W. Remington, '80, C. P. Gillette, '84, E. A. Burnett, '87, W. Paddock, '93. We canvassed the strongest points and some of the weakest ones of M. A. C. as compared with other colleges.

With Professor Parmel of Iowa, I spent one day and a night in the mountains, where it was necessary to add an extra long breath every little while to get the proper supply of oxygen. We entered a mine, we collected plants, we looked on a mountain where snow is to be seen every month in the year. I brought home a generous supply of cones and branches of ten kinds of conifers of Colorado. We climbed the canyon on a railroad in one place where the engine looped about over and under for four and a half miles to get ahead a mile and a half. W. J. B.

#### Notes Gathered Here and There.

Prof. and Mrs. Barrows made a brief visit to the Petoskey resorting region during the first week in September.

Prof. Weil and family spent a few weeks of the vacation at South Haven and at other resort regions on the west shore of the state.

Mrs. Dr. T. W. Smith, of Bethel Academy, Va., sister-in-law of Mrs. H. Edwards, and her daughter Miss Norma Smith, are guests of Prof. and Mrs. Edwards.

Among the recent visitors at the Pan-American from the campus

were Professors Holdsworth and U. P. Hedrick, Mrs. Landon and Mrs. Kedzie, Dr. and Mrs. Waterman and Morton Barrows.

While at Denver, Dr. Beal did not actually see an example, but he was told by a reliable man who had formerly explored the western country, that over in a neighboring state it was so dry that farmers had to soak pigs before they would hold swill.

During the summer vacation Dr. Beal visited five counties for a study of the trees. In Detroit he examined the park on Belle Isle and Palmer Park especially to note the native woody plants. In western Lenawee he followed Bean Creek to the State line. At Big Rapids, Muskegon, and Greenville, the future prospects of white pine were investigated. A considerable number of photographs were taken and from these lantern slides have been made. The *Detroit Journal* is printing a series of articles giving some account of these investigations.

During vacation, two persons called especially to inquire concerning our botanic garden. One was B. T. Galloway, Chief of Plant Industry of the U. S. Dept. of Agriculture. They are soon to start a garden near Washington for economic plants. He appeared much gratified and later told Dr. Beal that he should copy our garden as nearly as he could, only it would consist of twenty acres instead of two. The other visitor of the garden was Miss Winifred J. Robinson who is in charge of the botany at Vassar College. She is to establish a botanic garden at the college next year and wanted to make some arrangements whereby Dr. Beal could visit the place and give them some hints. She had seen no garden that pleased her so well.

C. E. Walter has returned from his trip to Norway and is again located at M. A. C. and ready for business again at the old stand.

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### Old Students.

John Coats has a position with Hill & Co., Kalamazoo.

R. M. Norton is with the Upton Works, Port Huron, Mich.

H. T. Thomas is in the employ-ment of Olds & Son, Detroit.

R. M. Lickly is with the Brooks Locomotive Works, Dunkirk, N. Y.

Frank C. Wells, '70-'73, has recently been elected State veterinarian.

G. F. Law, '83, has recently been appointed circuit judge in St. Clair county by Gov. Bliss.

Mr. S. M. Millard, '64, of Highland Park, Ill., was a visitor at the College week before last.

Prof. Matthews, '85, brought some prospective students to College during the early days of August.

Lewis Munson, '97, made the College a flying visit en route from home to his work in Washington.

H. M. Weed, '83, from Bellevue, took one of the days of excursion week to visit M. A. C. and Lansing.

C. P. Close, '95, has just received an appointment as teacher of horticulture in the Delaware Agricultural College.

James Satterlee, '69, called on his cousins Professor Mumford and wife on the day of the Greenville excursion.

Victor Lowe, '91, and Dr. Harris Mullett, '90, spent the summer together among the Adirondack mountains.

Arthur Cook, '01, called at the College last week while on his way to a position in the beet sugar factory at Alma.

D. S. Lincoln, '81, a florist and gardener at Big Rapids hunted up some of the professors at M. A. C. on August 22.

C. C. Lillie, '84, was a member of one of the excursions. He still runs his large dairy farm and helps to edit the *Michigan Farmer*.

W. J. Meyers, '90, made his friends at the College a short visit August 10th, en route for Chicago, where he begins the practice of law.

E. Schoetzow, '83, is superintendent of schools at Marcellus. He was in the class with Secretary Bird. Old times were compared with the new.

Hon. M. D. Chatterton, '87, has issued a book on Probate Law which is highly complimented by the foremost men in the legal profession.

W. E. Hale, '82, called during the excursion on August 20, and took much pride in showing his son about with reference to entering M. A. C. as a student.

C. E. Smith, '84, was married Sept. 12, to Miss M. E. Rogers of Chicago. "At home after Oct. 15, 416 South Sheridan Road, Waukegan, Illinois."

Miss Marion Weed, '91, called on Lansing and College friends during the summer. She promises herself a rest from her school duties by a year's vacation.

K. L. Butterfield, '91, while upon business in connection with the State fair, made the College a visit Sept. 8th and 9th. He remains in attendance at the University of Michigan during the coming year.

Mr. Luther Baker, '93, called at the College for a short visit August 20th. He retains the principalship of the Albion high school during the coming year.

C. E. Hoyt, formerly instructor in the mechanical department, now of Lewis Institute, Chicago, visited his many friends on the campus during the excursion week.

W. H. Burns, with '88, for some time a farmer of Erie, Monroe county, still loves his work and has a good word for M. A. C. He called during excursion week.

Dr. H. F. Palmer, '93, of Detroit has been appointed by Gov. Bliss a member of the State Veterinary Board to succeed Dr. Frank C. Wells recently made State Veterinarian.

H. E. Van Norman, '97, made a visit of two or three days at the College during the last of August. His position has recently been changed to instructor in animal husbandry.

W. L. Snyder, '82, called on old friends during the last week in August. He is still chemist for the Michigan Carbon Works, and has recently purchased a farm not far from Greenville.

Mr. and Mrs. Lucius Denison Watkins announce the marriage of their daughter Anne Catharine, to Mr. Charles Henry Adams, Monday, August 19, 1901, at Manchester, Michigan. At home after Sept. 5, Lansing, Mich.

The genial Byron D. Halsted, '72, Professor of Botany at Rutgers College, N. J., visited the College August 21 on his way to Denver. He had been away so long that he had to inquire his way to the Botanical Laboratory.

Chas. S. Guile, '79, is a lawyer of Bellaire, as he informs us, but also takes great pleasure in running a large farm of his own. He called August 17, and made many inquiries as well as favorable comments concerning his alma mater.

Prof. J. R. McColl, '90m, professor of mechanical engineering, University of Tennessee, Knoxville, Tenn., visited the College last week. He contemplates taking a course for an advanced degree at his alma mater in the near future.

Among the visitors to the campus during excursion week were the following graduates and former students: C. I. Goodwin, '77; Carl English, with '84; Gerritt Mas-selink, '95; W. H. Rayner, with '59; J. I. Breck, '84; G. L. Stannard, '76; Will Snyder, '82; W. E. Hale, '82.

The older colleges and universities of this country for long periods made a very slow growth. Their development in equipment and size has been extraordinary.

M. A. C. was opened for students 44 years ago this month and it is often spoken of as an institution of slow growth. Harvard University was founded in 1636, 265 years ago, with a very small endowment; and not until 1841, — 205 years after opening did the number of students reach 243 for undergraduates, and 95 for law students, a total of 338. In 1861 there were all told in all departments only a few over 800, while in 1901, there are 5275. Even at the time of President Quincy in 1830, one of the students was only twelve years old, and the average age for entering was about fifteen years. W. J. BEAL.

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