

# The M. A. C. Record.

VOL. 5.

LANSING, MICHIGAN, TUESDAY, SEPTEMBER 26, 1899.

No. 3

## Junior Class Annual.

The juniors have decided to publish a class annual. This decision was reached last term but not until last week were officers elected. These are: Editor-in-chief, Hugh P. Baker; business manager, J. G. Aldrich, and associate editors as follows: Society, Miss Fleta Paddock; literary, Miss Mary Knaggs; athletic, R. M. Lickly; humorous, I. Gingrich; class, J. H. Skinner; local, Miss Gertrude Lowe; historical, George Severance; illustrator, S. J. Kennedy. The editors have not yet had a meeting to decide what their annual is to be, but they say it is to be "the swellest thing out."

## Picked Up by the Way.

A ride of a dozen miles westward from Tawas City, in Iosco county, reveals many interesting phases of the nascent agriculture in the gradual change from lumbering to farm life. Many of the houses on the improved farms have a peculiar look, showing new wood at intervals in the painted siding or clapboarding. These houses have been purchased in Ausable-Oscoda, torn down, moved to their present sites, and rebuilt. These twin cities, Ausable-Oscoda, were in their full glory a few years ago when their many immense saw mills found abundant business in sawing up the pine logs supplied by the lumber camps west of them. Now that the pines have disappeared, their glory has largely departed, the major part of the inhabitants have fled, and the deserted houses are utilized in the other parts of the county by farmers and other enterprising business men.

Any farmer of more southern Michigan that for a moment supposes that the farmers of Iosco county are behind the times, needs but to attend a single picnic there and listen to the discussions of up-to-date questions to be convinced of his error. They are well posted in the experimental work of today, and are especially interested in the Agricultural College, and rejoice in its present success.

A series of one-day institutes was held in Alcona county during the week ending September 16th. Here agriculture is crowding close on the heels of the lumbermen. The farmers are fortunate in appreciating the necessity of husbanding the virgin fertility of their soil. Along the lake fruit raising, especially of plums and apples, is just beginning. Last winter was a hard one on the plum trees, and one orchard of something like twenty acres was entirely exterminated by the severe cold weather. Plum trees not killed by the freeze were nevertheless leafless owing to the devastation of a fungus disease working on the leaves, causing them to fall prematurely. Next year these fruit growers will understand the art of spraying to prevent the spread of this disease, and will thus save their crop, thanks to the bulletins of the experiment station.

Some logs lying along the right of way of the railroad in Alcona county were found to have come from land belonging to the College.

This fact had not escaped the watchful eye of F. E. Skeels, the agent of the College in such matters, and the trespassers were brought to time.

It may be a mild unction to the troubled minds of students failing in mathematics to know that the builder of Wells Hall was a former student of this College, who never made a success as a mathematician. His name is Frederick C. Miller, and, besides being an extensive lumber merchant and manufacturer in Grand Rapids, he is a director in a dozen business enterprises and interested in every new venture of promise and importance that comes to that city.

A visit to the cheese factory of E. A. Haven with '83, revealed Haven hard at work turning out cheese of a quality to so far please his customers as to have it all sold above the market price almost before it is made. Haven goes out next week to inspect cheese factories in the State for the Dairy and Food Commissioner. C. D. S.

## Where New Employees Reside.

Prof. Bemies will occupy the Westcott suite of rooms, Howard Terrace, after October 1. He is now on his way to his former home, New Brighton, Pa., to make arrangements for moving here, but expects to return in time for Saturday's football game.

About the first of October Prof. Jeffery will move into the new house at 1514 Michigan avenue east.

Prof. Atkins has already taken possession of the Brooks house, across from the pear orchard.

Prof. U. P. Hedrick has rooms with his brother in Howard Terrace.

Mr. Van Wormer occupies the Miles house, across from the arboretum.

Mr. Ferguson succeeds Mr. True in both position and room.

Mr. Knechtel may be found in Harrison Hall.

## The Natural History Society.

An interesting program for the meeting of the Natural History Society last Wednesday evening was furnished by Bronson Barlow and Prof. Barrows. The former spoke for nearly an hour on the fauna of Puerto Rico, giving an account of what he observed while on military duty on that island. He must have had his eyes open for everything, if we judge by what he had to say of birds, fish, frogs, turtles, lizards, crustaceans and insects. The numberless fish of all kinds that swarm in and out among the rocks and caves of the sea bottom were, he said, a constant surprise and delight to him. Crustaceans were numerous in kind and color. There were acres, almost square miles, of sea shore covered so thickly with crabs that they could touch claws. Insects were not generally numerous but were often very brilliant. However, there were plenty of flies and several kinds of mosquitoes, some of the latter as large as those on the famous Jersey coast. Wild bees

abounded in trees and caves, and honey of excellent quality was so plentiful that one could buy all he wanted to eat for two centavos. The speaker had with him quite a collection of shells, corals and other natural history specimens that he had collected in Puerto Rico.

Prof. Barrows exhibited to the society the specimen of mountain goat that was added to our museum a few weeks ago. It is a long-haired, white animal, with stocky legs, heavy shoulders and sharp, erect, black horns. It stands with drooping head, somewhat like the bear; this from the habit of always looking down. It lives high up among the peaks of the northern Rockies, above the snow, where the rocks are swept clean by the wind, and comes down to the timber-line only when in need of green food. It feeds principally on mosses and lichens that grow on the rocks. The animal is slow, seldom going off a walk, but frequents such dangerous crags and precipices that it is comparatively safe from enemies. Twenty-five years ago it was supposed to be nearly extinct and was then worth from \$100 to \$200, for museum specimens; since then, however, its haunts have been learned and while still the most rare of American hoofed animals, except the bison, it is now known to be in no danger of extinction.

## Delegates to the Farmers' National Congress.

Gov. Pingree has appointed the following delegates to the annual meeting of the farmers' national congress to be held at Boston, Oct. 3 to 6: F. C. Bradish of Adrian, F. Hart Smith of Addison, J. N. Stearns of Kalamazoo, William Ball of Hamburg, Daniel Quirk of Ypsilanti, S. B. Smith of Grand Rapids, L. J. Post of Lowell, M. L. Raymond of Grass Lake, H. Gaunt of Highland, Prof. H. W. Mumford of Agricultural College, E. C. Davidson of Rudyard, A. E. Palmer of Kalkaska, W. J. Oberdorffer of Menominee, C. S. Johnson of Vassar. At large, C. F. Moore of St. Clair, T. F. Marston of Bay City, L. D. Watkins of Manchester.

## From Frank V. Warren.

We are permitted to publish part of an interesting letter from Frank V. Warren '98m, who begins teaching in the North Dakota Agricultural College at Fargo tomorrow. He has been in Fargo since the first of the month.

"I have had very little to do. There is of course a little preparation and we have just secured a new engine which will have to be installed. A new addition is being made to the mechanical building and several things of like nature, but I spend a great deal of the time in reading or studying or riding my bicycle over the country. I enjoy it immensely. The roads are hard and do not get dusty, for the wind keeps them blown clean, so you can ride as far as you choose in any direction. Just now is the busy part of the threshing season and they do not stop for Sunday and when

moonlight sometimes not for night. There is so much risk to be run from fire and hail that they rush business every minute and the way they can hustle is marvelous.

"Fargo is a very nice little city, a little larger, I should think, than Lansing, but much prettier. It is said to distribute more farm machinery than any other inland city in the world. That and its location in the grain belt give it an enormous business.

"The college seems to be in a prosperous condition. Of course I cannot tell whether the work will be pleasant or not until I see the students, but I anticipate a pleasant year.

"I just returned last evening from a hunting trip over the prairies along the Cheyenne river. We went out about fifty miles with horses and had a very interesting trip—killed thirty prairie chickens and four ducks. Wish I could send you some, for I have more than enough to give to my acquaintances here."

## Farm Notes.

The following pieces of apparatus have recently been placed in the agricultural laboratory for use in soil work:

A set of cylinders to be used in studying the effect of cultivation upon the conservation of moisture in soil.

A set of cylinders to be used in studying the effectiveness of different mulches in conserving the moisture in soil.

A set of cylinders to be used in studying the rates at which water will rise by capillarity through different heights of soil.

A new drying oven with trays and sampling tube for the determination of moisture in soils, fodders, grains, etc.

A cage for taking root samples. The purpose of this is to show the distribution of crop roots in the soil.

An "electrolytic bridge," with accessories, for determining the soluble salt content of soils. This is a piece of apparatus devised by Prof. Whitney and his associates at Washington and manufactured by the Western Electric Co. of New York, and was secured for the use of our seniors.

## Co-Operative Wheat Tests.

The experiment station is sending out samples of seed wheat for co-operative variety tests. Two samples of about 80 pounds each are sent to each of about a score of representative farmers who will sow, harvest and thresh the grain, and then report results to the station. The object of the tests is to find out which varieties are best adapted to each locality.

## Change of Hours.

Instead of closing an hour at noon, as formerly, the secretary's office will close an hour earlier in the afternoon. So hereafter, the office will be open from 7:45 a. m. to 4 p. m. This change is made to accommodate students that have only the noon hour vacant.

# THE M. A. C. RECORD.

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MICHIGAN AGRICULTURAL COLLEGE.

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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.

## Life's Open Door.

SERMON BY REV. ERNEST BOURNER ALLEN, GIVEN AT THE COLLEGE CHAPEL SUNDAY MORNING, SEPT. 17, 1899.

My theme this morning is Life's Open Door. The texts are in Revelations, 3:8 and Matthew, 25:10: "Behold, I have set before you an open door;" "And the door was shut." These texts refer in their application to the same door but to different occasions.

At Mackinac Island there is a famous wishing well, and they tell you that if you wish before you drink and do not tell what you wish, the wish will come true. The fancy has in it a great truth, for what a man wishes, in a large degree he becomes. The wish of the heart is prophetic of the look, the word, the touch, the act. . . . The Lord is saying to you today, "Ask what I shall give thee." You stand before open doors never till now opened to men. Where you wish to enter you can *now*, but there will come a time when the doors will be shut. If you are wise you will enter now.

I have not come to preach *at* you today, but to speak with you, as a student to students, an earnest word. It is born of observation, for I have had a chance to study pretty closely three colleges. It is born of experience, for I have been where you are very recently myself.

It may be that your desires will lead you today where beyond doubt your experience would not lead you tomorrow. What a thing it would be if you could start your college life with the experience with which you end it! . . . It is better to learn by some of the experiences of the past than to work them out for ourselves. It is too costly, it takes too much time to learn by our own mistakes. The architect and the dressmaker have a plan. It is born of the mistakes and trials of others. If every dressmaker were to learn how to cut cloth correctly by trial, without availing herself of the ideas of others, many a yard of splendid cloth would be spoiled. In matters of building or clothes we accept the philosophy. Yet when we come to our lives we ignore it all and cut and try alone. Let me bring to you today, young man, young woman, some of the experiences of others to help you frame your plan and prevent the useless

wasting of your life. . . . Let me give you an illustration of a noble motto, born of a life experience, which will help us to a better plan.

In San Francisco there is a fountain erected to the memory of a famous novelist. At twenty he was a nervous wreck, doomed daily to tinker up an injured body—unceasing hemorrhages; at thirty, too weak to do more than sit up in bed and mold clay figures and write matchless stories. "Poverty, exile, ill-health, loneliness, ingratitude, his lot." "Expecting to die any day for twenty years, Stevenson searched out the kernel of life and cast away the husks."

### INSCRIPTION.

"To be honest, to be kind,  
To earn a little and to spend a little less,  
To make, upon the whole, a family happier by his presence,  
To renounce, where that shall be necessary, and not to be embittered;  
To keep a few friends, but these without capitulation;  
Above all, on the same grim conditions, to keep friends with himself—  
Here is a task for all that a man has of fortitude and delicacy."

Here are some plans and specifications of a holy life, born of toil and trouble, wrought out with bravery and wisdom, which we do well not to ignore. I have no time to tell you today that they are conformed to models laid out by the Man of Galilee. The more you study them the more you will see this is true.

Now if there is anything that stands out in my message this morning it is that college life is a prophecy of the future. God sets before you an open door to your later task and position in life.

A light projected into the distance enlarges to noble proportions a small object placed near it, just as the lantern enlarges the picture in the slide. College life is like a light behind a man magnifying his powers and failings before his college-mates and the world at large. Nearer to the college days a man's life may reveal but indistinctly the proportions of either beauty or ugliness which he possesses. Five, ten, or twenty years enlarge his powers and we see plainly those things of which we marked the prophecy in "The golden, olden glory of the days gone by."

Very many times in the interim since graduation has the question been asked the speaker regarding some student: What sort of a man was he in college? Sometimes men have sought recommendation based on their work while students. Every phase of student life has been covered in the interrogatories. Where did the man go? How did he get through? What kind of work did he do in his studies? Was he an all-around man? Was he level-headed? Was he quick-tempered? Did he pay his bills? Did the fellows like him? Did he stick to his work? Was he interested in athletics? Did he "jump" classes? (No connection was implied between the last two questions!) What was his relation to the faculty? To the student organizations? Did he think more of Co-education than education *per se*? Did he trifle with the great social and religious interests of life?

Environment can and will do much for an individual. On rock

and plant and man she leaves her ineffaceable imprint. Time sets the form once slight and plastic. But environment cannot do everything. Colleges supply neither brains nor character. They are cultivators. They take the ground as they find it. They do not create geniuses nor put a character on a man as a boy puts on his hat. They uncover genius and offer the best conditions for the development of character. The things which a man wills to do may go farther in stamping characteristic features upon his life than any environment. Persistent neglect of essential things, even incidental and subsidiary matters, may blot out every imprint of nobility produced by favorable surroundings.

In other words it *does* make a difference in a college student whether he attends to his work; whether he is loyal to great truths lying at the foundation of his action; whether he recognizes authority or belittles it; whether he sustains a sympathetic relation to his college as an institution, to his teachers as the faculty, to his college-mates as his fellowmen and women; whether he looks beyond his college life of today, its deep joys and experiences, legitimate in themselves but with power to unsettle his life purpose, beyond these to the work which his life ought to accomplish.

When a fellow gets out of sorts with his college so that none of its social, athletic, fraternal, or moral interests attract and command his allegiance, we remark that his college spirit is gone. He becomes at once useless to the institution, a weight upon its progress, and a dissatisfaction to himself. If the case is a bad one there follows alienation, poor work, discontent and withdrawal. Such an experience embitters the whole life. An excellent man by the name of Porter, whom I remember to have read somewhat in college days, says: What a man *is* determines what he believes. What a man *is* in his college life molds his attitude towards educational institutions, his position on public questions, his joy or bitterness in life's work, his whole sphere of influence. More than he imagines it determines his successful entrance upon coveted fields of labor.

Experience, observation and the testimony of others unite to enforce the assertion that what a man is in college determines or prophecies what he will be in life: Work out the problem as you will, get every available factor, carry the result to its most far-reaching conclusion in time, in the varied departments of life, in different individuals, the principle holds. Every educational axiom from Solomon to Spencer, from old school to new school, affirms it. "Train up a child," "As the twig is bent,"—"The boy is father,"—and so on *ad infinitum*.

Wise is the college student who cares and dares to consider his future in the light of today. He will be a braver, a broader, and a better man for it. Take his *social* life, given of God for noble ends. Would that some Washington in society might bid him "avoid all entangling alliances." This does not mean that all alliances are entangling. They are so when they defeat the purpose for which a man, a woman, entered upon college duties, or when they keep him from his best work. Alliances are proper at certain times. Parents are counsellors to be sought after regarding social duties. Friendship is too sacred to be ruth-

lessly marred by the unhappiness attendant upon thoughtless presumption. Take the *intellectual* life. Dissipation here means heart-ache, and headache later on. Many a man wishes he had been taught to be exact, methodical, and comprehensive in his work. He wishes that he were more independent in original research. The possibility of these things he ignored or threw away when he attempted to "get through" his college life easily; when he tried "short cuts" to achievement; when he was shifty in his work and shiftless in his methods. Take his *spiritual* life. He left it for the days after graduation. He awakes to find it a paralyzed member of his being, threatening the existence of the whole. He apprehends with startling clearness that

"It is the heart and not the brain,  
That to the highest doth attain."

Because of his neglect he is standing on the lower rounds of the ladder. Woe to the man who shuts up his heart to feed on mathematics or science or literature while the heart starves for want of the invigorating life and light from revelation and the man is weak because he needs the exercise of unselfish service. What a man is in college more or less accurately prophecies, if it does not determine, what he will do when he leaves its sacred halls. Therefore, look far. Build broad foundations. Forget not the cornerstone. The soul finds its satisfaction in the commendation and service of the Man of Galilee.

This open door of your college life, you see, opens to nearly everything. It opens to you—if I put the thought in other words—the opportunity to place the proper emphasis upon your life. It helps you to put first things first. There is an old Dutch proverb which will betray you often this year. "What *is* heaviest *weighs* heaviest." The thing which you make most important will take the most of your time and energy. If you let the wrong thing weigh most it will overbalance your life. That is to say, there is about so much weight, so much time and energy, to be given to other things than study. I do not need to mention them, for you know what they are. There is a just and necessary time and energy which you owe to the cultivation of your soul. Leave it out and you will be one-sided, unbalanced, unsymmetrical today and in the days to come.

This open door faces faith. This you must have in your tasks, your life. A good preacher has said: "Faith is the splendid necessity of the soul that would achieve." You need some faith in yourselves, large faith in your fellows, abundant faith in God, if you drink the brimming cup of satisfaction and usefulness.

This open door stands "fringing the dawn" of the new century which you are to see. Pres. Shurman of Cornell University, said recently to his students that the man "in the 20th century will be tested by what he is and does, not by what he says, professes or pays for." Never was there such a chance for the noblest manhood and womanhood or a time when its example and service could be more far reaching. Every train that belts the continents and every ship that narrows the seas, brings mankind closer together. You can make the world richer than you have lived and poorer when you die because you shall *be*,

not seem; because you serve, and do not sap life.

As Dewey's fleet sailed out of the harbor at Hong Kong, the captain of H. M. S. Immortality shouted through his trumpet to the captain of the Boston these significant words: "You're going to win—I'm sure you will. I've seen too much of your target practice to doubt it!" Overhead the angels are watching. While the open door is before you, practice fidelity, practice truth, practice faith, practice a clean life, practice Christian service right here in this College. And when you step into the coming century, the roar of whose battle already mutters beyond the not distant hills, the angels of God will send a triumphant message to the world outside and the eternal world above: "They're going to win. We've seen their practice." Thus shall the issues of eternity move forward to the time when God shall call his own!

**Regulations for Bicyclists.**

It may be well at the beginning of a new year when there are so many new students to call attention to the few regulations governing the riding of bicycles on College walks.

1. Bicyclists are not allowed to ride on Faculty Row walk between the President's house and Howard Terrace.
2. Bicyclists are not allowed to ride across the rustic bridge in front of Abbot Hall.
3. Bicyclists must give way to pedestrians on all walks; the latter have the right of way on all walks at all times.
4. Coasting is not allowed on any walk.

**At the College.**

E. J. Gunnison is again in College.

The Board meets this evening in Grand Rapids.

A night law school will open in Lansing October 1.

Rev. W. H. Osborne conducted Sunday chapel services.

W. E. Russell '01 returned to College on Monday of last week.

W. T. Parks '00 was called home Wednesday by the death of his mother.

Total enrollment, 521; freshmen, 266; mechanicals, 121; agriculturals, 86; women, 59.

Dr. Grange shook hands with College friends Saturday. He goes to New York to practice.

This year the farm department will sow sixty acres of wheat of the Dawson's Golden Chaff and International No. 6 varieties.

The faculty and students are invited to a reception to the new pastor of the Central M. E. church, Friday evening at 8 o'clock.

Miss Harriett Turner, of Rochester, N. Y., who has been visiting Prof. and Mrs. J. D. Towar during the past three weeks, goes to Drexel.

Prof. Mumford will take his class of seniors in stock judging to the State Fair at Grand Rapids this week to study the methods of judges in the show ring.

The class of 1900 elected the following officers Friday: President, W. Ball; vice-president, F. W. Dodge; secretary, Harriette Robson; treasurer, J. R. Thompson.

**An M. A. C. Colony.**

Prof. and Mrs. Woodworth, C. E. Hoyt, G. N. Eastman and F. W. Robison have rented a house in Austin and all live together. If you are in Chicago and want to call on them, follow Prof. Woodworth's directions:

"Take the Lake street elevated west five or six miles to Austin, walk one block west and one block south to 123 South Park avenue," and that's the place.

Austin is a beautiful suburb of 10,000 inhabitants—all nice houses worth six to twenty thousand dollars each. "P. B." says he sees M. A. C. boys everywhere and mentions among others: Gordon Truc, Ed. Gagnier, Max Beutner, Frank Bauerle, George Teller, Will Diehl, Chris. Coda and M. V. Robinson. The last two have entered Lewis Institute. T. H. Spindlo is at Northwestern taking a course in dentistry.

Prof. Woodworth has been spending most of his time since arriving in Chicago in purchasing and installing electrical equipment. His first class met yesterday and another begins work October 9.

**Who Will Write the Prize Song?**

The Hallowe'en entertainment committee offers a prize for the best comic song about M. A. C., to be handed to Miss Blunt, chairman of the committee, before October 10.

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News from Graduates and Former Students.

W. A. Paddock '93, is father of a son born Sept. 18 at Geneva, N. Y.

A. H. Gillett '92 raises the best celery brought to the Owosso market.

S. B. Young '96, is spending a few days at the College and in Lansing.

D. J. Hale '98 is at St. Joseph, working on his report to the State Geologist.

E. M. McElroy '93 remains another year at Union City, as Supt. of schools.

J. W. Rigerink '97, called at the College Tuesday on his way to Ann Arbor.

Byron Holdsworth with '00, is working with an engineer in Los Angeles, Cal.

Miss Russell Taylor with '01, visited her brother of the freshman class last week.

A daughter was born to Mr. and Mrs. A. Thorn Swift '99, in Lansing, September 20.

F. E. West '99, has returned for a year's post-graduate work in chemistry and French.

H. D. Baker with '94, St. Croix Falls, Wis. has been visiting at the College and in Lansing during the past week.

James Gordon with '84, Battle Creek, called at the College Thursday evening to see his son, J. H. Gordon '02.

S. L. Ingerson '99 is testing flour for the Cameron Mill and Elevator Co., at Fort Worth, Texas. He rooms at 913 Taylor St.

THE RECORD was in error in stating that B. K. Canfield '89, was a member of the Delta Tau Delta fraternity. He was a Phi.

We are informed that C. F. Baker '91 has a professorship in the University of Missouri, instead of in St. Louis high school as stated in the last issue of the RECORD.

M. H. Lapham '99, has been notified that he has been recommended for an appointment in the division of soils, department of agriculture, in Washington, D. C.

John A. White with '92, principal of the commercial department in Burlington, Iowa, high school, has married one of Burlington's fairest daughters, Miss Lida Browning.

T. S. Major '92, after traveling in England about six months for the International Trading Stamp Co., has settled down in Centerville, Mich., as auditor for the same company.

Frank Bauerle '92m, 49 Campbell Park, Chicago, manufactures automatic wood turnings at 792 W. Madison St. His factory is just opposite Lewis Institute, where are so many M. A. C. people.

E. J. Freeman '92, chemist of the Northern Institute of Osteopathy, Minneapolis, Minn., was the first person to develop the X-Rays west of Chicago, and is now the best known X-Ray expert in Minnesota.

Frank Hodgman '62. Climax, attended a meeting of the directors of the Michigan Engineering Society in Lansing last Friday. At this meeting Prof. Vedder was made director of the Society.

Fred L. Chappell '85, of Kalamazoo, is attorney for the company manufacturing the Dowagiac shoe drill in a lawsuit involving many thousand dollars, to decide whether this drill is an infringement on another patent.

THE RECORD should have mentioned two weeks ago the death of Charles S. Whitmore '87, which occurred at Utica, N. Y., August 19. Mr. Whitmore was traveling for the Standard Harrow Co., and at Utica was taken with appendicitis, which caused his death a few days later.

Faculty Reception to Students.

The faculty reception to students given in the armory last Friday evening was a very pleasant affair, and in spite of the inclement weather was well attended. Music and light refreshments were enjoyable features, as was also the hour of dancing after the reception.

Goes to Cuba.

Ray Stannard Baker '89, who has been visiting at M. A. C. several days, returned yesterday to New York. He will start in a few days for Santiago to interview General Wood and secure data for an article soon to appear in McClure's Magazine.

Why Not ?

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