

The M. A. C. Record.

Vol. 6.

LANSING, MICHIGAN, TUESDAY, SEPT. 18, 1900.

No. 1

Our New Teachers.

Enlargement of the area of tillage means, with equal thoroughness, an increase in the force on the farm: so the unprecedented increase in attendance at the College has called for an enlargement of the teaching staff. This enlargement, together with the filling of an unusual number of vacancies caused by resignations at the end of last year, has given us an extraordinary number of new names on the faculty roll for the present year. The appointments have in every case been made with great care from a large list of applicants and we believe the credentials and previous successful experience of each appointee guarantee thorough and effective work. We take pleasure in introducing to students new and old and to friends of the College everywhere the following persons in their several capacities.

HUGO DIEMER, B. S.,

Assistant professor of mechanical engineering, is a graduate of the Woodward high school, Cincinnati, Ohio, and of the Ohio State University, Columbus, Ohio.

Prof. Diemer has had practical experience in engineering in the service of several leading engineering concerns; he has also had experience as an instructor in engineering, having occupied the chair of mechanical engineering at the Agricultural and Mechanical College, Greensboro, N. C. Prof. Diemer resigned from his position at Greensboro to come to M. A. C. A very interesting series of papers on "The Commercial Organization of the Machine Shop," from the pen of Prof. Diemer is now appearing in *The Engineering Magazine*.

HERMAN W. REYNOLDS, B. S.,

Instructor in mechanical engineering, is a graduate of the University of Pennsylvania.

Mr. Reynolds has had engineering experience in the shop and drafting room, and teaching experience as instructor in the Drexel Institute Philadelphia, Pa. He resigned from the Pennsylvania R. R. Engineering Corps to accept his present position at M. A. C.

MISS SARAH B. S. AVERY,

Instructor in Physical Culture, was prepared for her work by Dr. Delphine Hanna, completing under him the Normal Course of Physical Training at Oberlin College. She then went to Harvard University and took a double course in Theory and Practice of Exercise with Dr. D. A. Sargent. In the fall of 1889 Miss Avery went to Wilson College, Chambersburg, Pa., where for five years she was director of the gymnasium and teacher of physiology. For two years thereafter she was in charge of the physical culture classes in St. Luke's Episcopal Church, Kalamazoo, Mich., and when chosen to her present position was directing the women's work in the gymnasium of the First Congregational Church of Elyria, Ohio. At various times Miss Avery has taken special normal courses in Delsarte and Swedish work, physiology, hygiene, etc.

Under her care we feel sure that the health of our young women will be safe-guarded. Miss Avery is a sister-in-law of Mr. F. H. Hall, '89.

MISS CARRIE A. LYFORD, B. S.,

Instructor in cookery, is a graduate from the regular and the post-graduate course of the Oregon Agricultural College, and from the normal course of the Oread Institute, a school of domestic science in Worcester, Mass. She taught for one year in the Oregon Agricultural College as assistant in the department of Domestic Science and subsequently in the same capacity in the University of Idaho. In both positions she made an enviable record and her instructors in the Oread Institute, which she attended last year, speak in the highest terms of her work in the classes and in demonstration lessons.

JOHN MICHELS,

Instructor in Dairying, has six years' experience as practical dairyman in charge of a cheese factory. To this he has added graduation from the dairy course and subsequently graduation with honors from the four years' course in agriculture in the University of Wisconsin. He has specialized in dairy chemistry and bacteriology. He gave up a position as instructor in the cheese department of the Wisconsin Dairy School in order to enter upon the four years' course which he has just completed.

LESTER L. LOCKE, M. A.,

Instructor in mathematics, is a graduate of Grove City College, Penna., and has taken post-graduate work in the Pennsylvania State College. He has some years of successful experience as teacher of mathematics in Fredonia Institute, a position which he resigned to accept his present work at M. A. C. Mr. Locke is a member of the American Mathematical Society, and some of his work has been published in the *American Mathematical Monthly*.

ALFRED H. PARROTT, A. M.,

Instructor in mathematics is a graduate of the University of Kansas, specializing in mathematics. For three years he was an authorized tutor in the department of mathematics in his alma mater, and during the year just past he was instructor in mathematics in the university. He has also had experience in high school work. He is a member of the Phi Beta Kappa fraternity—membership in which is the only honor offered by the university for high scholarship.

MISS BERTHA WELLMAN, B. S.,

Instructor in English, is one of our own graduates, having finished her course here in 1896. From us she went to the State Normal College at Ypsilanti, and having completed her course there she received an appointment to teach English in the high school at Mason, Mich. This she resigned after two years of unusually successful work, to take her present position in M. A. C. Miss Wellman is so well known and so highly esteemed at the College that

she really needs no introduction to the immediate college community.

S. F. EDWARDS, B. S.,

Instructor in Bacteriology and Hygiene, is another of our own graduates ('99). He has for some two years been specializing under Prof. Marshall, and during the past year has assisted him quite largely in the work of the department.

A. T. CARTLAND, B. S.,

Still another of our own graduates ('97), will have specially close and, we hope, pleasant relations with readers of the *RECORD* during the present year. He is to assist in preparing material for the *RECORD*, in handling the advertising work of the College, and in such English teaching as may be necessary. Mr. Cartland is one of our most promising men and is well equipped by training and experience for the work he has undertaken.

W. T. SHAW, B. S.,

Instructor in Zoology, is a graduate of the school of agriculture of Minnesota, and also of the University of Minnesota. He is a son of Prof. Thos. Shaw, of the school of agriculture of Minnesota, whom many of the farmers of this state know so well and favorably. He has been studying under Prof. Barrows during the past year.

Dr. Beal on Agricultural Education.

The August 31st number of "Science" contains an address by Dr. Beal on the progress of Agricultural Education in the United States.

The doctor finds that Farmers' Institutes were originated in 1871 under the leadership of Dr. J. M. Gregory of the Illinois Industrial University, now the University of Illinois.

Five years later in 1876, the Michigan Agricultural College held her first institutes.

A very interesting comparison of the relative value of scientific, mathematical and classical studies is made. While the study of mathematics trains in exact deductive reasoning, in the use of concise and accurate language, and is unquestionably of great utility, and while Latin and Greek cultivate the memory, develop the power of attention and genuine study, train the perceptive faculties, help to a better understanding of English, develop the powers of interpretation and expression, give mental alertness, and bring the mind into contact with the best thought of ancient times,—the study of botany and kindred sciences excels all other studies for training the powers of observation, cultivating the power of inductive reasoning, enlarging one's vocabulary with well-defined words, developing the power of precise and brief description, enriching the memory with a multitude of useful and interesting facts, training the analytic and synthetic powers,—all this besides giving skill to the hand and precision to the eye. In short, the culture obtained from scientific studies, while as broad and deep, as the culture given by classical studies, is far more useful.

The article also contains a brief sketch of the history of the United States experiment stations, university extension, and an account of the origin and growth of the society of which Dr. Beal is the honored president.

The General Catalogue of the Officers and Students.

A general catalogue known as "The Triennial" was printed in each of the following years: 1873, 1876, 1879, 1882, 1885, 1888, 1889, and 1895, but it did not include the names of non-graduates. In July, 1899, the Board of Agriculture decided to publish the work here noticed, and to superintend it President Snyder appointed Professors W. J. Beal and F. S. Kedzie.

Part I, contains the names of all officers, part II, the names of all graduates, part III, the names of all non-graduates, even those in attendance in 1899-1900.

Part I includes the officers of the Experiment Station and the State Weather Service, as they are intimately connected with the College and are supervised by our State Board. In parts I and II, some pains was taken to secure and print the full name of each person.

So far as is known, the present occupation of every former student is given. In some cases there are three or more occupations given, hence it would be impossible to make a fair list of occupations. The address of only one of the alumni is unknown, viz., Joseph I. Bicknell, 81.

The names in part III appear in alphabetical order; the names of the officers are grouped according to their rank, those of the alumni by years in which they graduated. A full index assists one to find the names which occur in parts I and II. The following is a brief summary:

Persons who have received the degree of bachelor of science, 813.

Persons who have received the degree of master of science, 93.

Persons who have received the degree of Master of Agriculture, 6.

The number of honorary degrees conferred, 20.

Number of graduates supposed to be still living, 745.

Total number of non-graduates, 3,786.

Grand total of all students who have attended the College, 4,612.

The edition of the catalogue was limited to 1,500 copies. The press work was performed by Ellis Publishing Co., Ltd., Battle Creek, Mich.

Battalion, Attention!

The three upper classes will report for drill Wednesday, Sept. 19, at 5 p. m. Cos. A and B, as formed last year, will report as Co. B; Cos. C and D will report as Co. D.

The freshmen will report Thursday, Sept. 20, at 5 p. m.

All officers of the battalion are requested to meet at the Armory at 4:15 Wednesday.

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.

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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.

How the Vacation was Spent.

If the M. A. C. community were a colony of insects the habits of said insects would afford the entomologist much cause for speculation and theorizing. During nine months of the year he would see a colony held together more steadily and intimately than most other communities of the insect class. Suddenly the centralizing interest would seem to lose its power and to be replaced by a segregating force that sends to the four corners of the earth the units shortly before so compacted. Three months pass, and almost as suddenly, from all quarters and moved apparently by a common impulse, these same units rush together and the cycle begins again.

Such is the phenomenon—interesting, even though not in the insect world. During the past vacation each member of our community has chased some idea—possibly sometimes a phantom,—health, or rest, or friendship, or knowledge, or gain of some more material kind, and in so doing their paths have traced a network like the maze of a troubled dream.

Among members of the faculty we note the movements of a few.

Professor Vedder visited the exposition in Paris and made an excursion into Switzerland, Germany, Holland and England. He took the opportunity of visiting many of the polytechnic schools of these countries, and of comparing methods and equipments. In Paris he met Prof. Breckenridge, of the University of Illinois, a former professor of mechanical engineering at this College, and they made much of the tour together. Prof. Breckenridge is the same genial, hearty companion and keen, wide-awake observer that we used to know here.

With Professor Vedder on the journey over was Mr. Gunson, our accomplished florist. His objective point was his old home in Scotland. Mr. Gunson visited the exposition with Prof. Vedder, and from there proceeded to Selkirkshire where his mother and sisters reside. He writes quite enthusiastically about—of all things—the United States, and seems to grow more enthusiastic the further he gets away.

Miss Keller was in Boston much of the summer. She visited many schools for women, especially Wellesley, where she is thoroughly at home, and gained many ideas for our new women's dormitory.

Miss Crowe spent her vacation at her home in Nova Scotia. She was with Miss Keller and Miss Rushmore, our former teacher of domestic science, in Boston for some while, and there visited several hospital kitchens.

Some of our men have been doing special work at various universities. Among others, Prof. Marshall was at the University of Michigan studying bacteriological problems; Mr. A. H. Taylor was at the same school studying philosophy under Dr. Wenley. Prof. Bemies has been at the University of Chicago studying for a degree, and incidentally has been playing foot-ball on Stagg's teams.

Prof. Barrows sought rest and recreation in Big Stone county, Minnesota, the westernmost county of the state. He shot some fifty prairie chicken, and came back brown and hearty.

Prof. Wheeler, who never makes an excursion into the woods in vain, collected a large number of plants in Arenac county, and in the upper peninsula near Chatham, the upper peninsula experiment station, and on Beaver Island.

With him on the upper peninsula excursion was Mr. Pettit, who is as indefatigable in the search for insects as Prof. Wheeler is in collecting plants. Mr. Pettit collected a number of rare mammals. He saw many deer and several bears and got within a short distance of a beaver colony where the beavers were busily at work. Among other specimens in his collection were a chipmunk new to this State and an unusual species of frog. Beaver Island is especially interesting as being settled some fifty years ago, by the Mormons. They no longer remain there, but Mr. Pettit was especially interested in looking up relics of their inhabitation.

Prof. Holdsworth was at his summer home up on Traverse Bay. He has many handsome sketches made at various points along the bay.

Prof. Edwards was in Virginia investigating the problem of the division of profits between the farm owner and the farm laborer in the South.

Dr. Beal attended the meetings of four different societies held at different times in New York City. Among these societies were the Society for the Promotion of Agricultural Science, of which the Dr. was for the third time elected president, and the American Association for the Advancement of Science.

Dr. Kedzie, soon after the commencement here, attended the anniversary of the graduation of the first Medical Class of the University of Michigan. The doctor is the only survivor of that class, which originally numbered seven members. On this occasion the authorities of the university gracefully recognized the Doctor's eminence in the educational and professional world by the bestowal of the honorary degree of LL. D. He was taken entirely unawares, but rallied enough to make some of his characteristic remarks. The Doctor also attended the 53d reunion of his class at Oberlin. There were present eight members of his class, and \$70,000 were raised for the endowment of the college.

Later in the vacation Dr. Kedzie accompanied Grant M. Morse, (with '76.) State Game and Fish Warden, to visit Muskegon Lake to see the influence of waste from the paper mill on the lake water, especially as

related to the health and life of the fish in the lake water.

At the College itself there has been bustle and activity to an unusual degree. An army of workmen has arrived each morning by street-car, bicycle and carriage, and all day long the sound of hammer and saw and engine has filled the air. The construction of the Women's building, the moving of the large brick building known as the farm house, and the construction of the new dairy building have transformed the usually quiet campus into the noisy and much-frequented site of an inchoate city. The construction of the large new barn almost entirely by student labor has retained with us a number of boys, and has added to the all-pervading movement. Each day, too, has brought its quota of picnickers and other visitors. Scarcely a day has passed that has not brought with it one or two picnicking parties, and we have had several running from 1,200 to 2,000. Altogether the College has probably never seen another vacation of just such character as this.

Nor is the change of character to be regretted. It means that the influence of the College is going out into the great world as never before and is drawing men to it; that it is preparing itself for enlarged usefulness and that the opportunity for greater usefulness is approaching with hurrying feet.

Class Officers.

To returning students, accustomed as they have been to the use of the phrase "class officers" to designate the various officers elected by each class to give form and substance to the class organization among themselves, the new meaning to designate members of the Faculty appointed by the President to have in charge the classification, etc., of certain divisions of the classes will seem somewhat inapt and indeed possibly in a mild way a usurpation. Inquiry, however, or the reading of this article, will dispel any apprehension and convince the investigator that however inapt the name may be, the move is in the right direction both for the students and for the administration of the College.

It is an effort, namely, to systematize and expedite the classification of students, to save their time and that of the President, to establish and legalize for each small group of students an adviser and official friend, easily accessible, capable of counseling, authorized to act, and aware of individual circumstances and needs. With the growth of the school the demands upon the President's time, from within through the larger numbers in the old courses and the phenomenal growth of the new course, and from without through the larger material interests and needs of the College and its wider influence upon the people and the affairs of the state, have increased to such a degree that relief must be found in more complete organization and a more minute division of labor. To this end the President and faculty have authorized the appointment for one year of an officer for each class in each course, to have charge of the classification of students in his group, to note progress and study individual cases, to hear complaints and redress grievances, and to establish and maintain a close

and intimate relation with those under his immediate charge.

The order of procedure for classification will be as follows: The student will first visit the president's office, fill out a blank, receive instructions concerning such entrance examinations as he may need to take (see SCHEDULE OF ENTRANCE EXAMINATIONS below), have an assignment to a room and a club, and obtain an order for classification. He will next go to the secretary's office, pay his fees and obtain a receipt card for them. He will then seek the officer in charge of his class in the course he has selected. This officer will arrange his studies for the term, assign him to a section, if his class is divided into sections, or give such preliminary directions as are necessary. After classification the student will at once proceed to attend classes, following the routine laid down for his class and section, given under DIRECTIONS TO STUDENTS.

The class officers are:

For Agricultural Freshmen, Dr. Waterman, 1st floor, Veterinary Laboratory.

For Agricultural Sophomores, Dr. Beal, Room 3, Botanical Lab.

For Agricultural Juniors and Seniors, Prof. Mumford, 1st floor, Agricultural Lab.

For Mechanical four year Freshmen, Prof. Vedder, Room 3, College Hall.

For Mechanical four-year Sophomores, Prof. Diemer, 1st floor, Mechanical Lab.

For Mechanical Juniors and Seniors, Prof. Weil, 1st floor, Mechanical Lab.

For Mechanical five-year Sub-freshmen, Prof. Holdsworth, 2d floor Mechanical Laboratory.

For Mechanical five-year Freshmen, Prof. Vedder, Room 3, College Hall.

For Women Freshmen, Prof. U. P. Hedrick, 2d floor, Horticultural Laboratory.

For Women Sophomores, Miss Blunt, rear end of Library.

For Women Juniors and Seniors, Miss Keller, Dean's office, Women's Building.

Chapel Exercises.

Do not fail to attend religious exercises in the College chapel at 7:45 a. m. on week days and 9 a. m. on Sundays.

Bring Your Text-books to Class With You.

Where text-books are announced in the class notices it is expected that students will appear at the first class meeting provided with them. All text-books are on sale in the College book-store, No. 48 Williams Hall.

Remarkable.

An account has been going the rounds of the Michigan press, of a Bay City man who is the proud possessor of an interesting specimen of corn which he has carefully cultivated for some time. The wonderful thing about it is that this corn has been raised from seed found in an urn recently unearthed from an Egyptian ruin 2,500 years old. More wonderful still is it that this corn should become so far-famed in the light of the fact that corn was never known in Egypt till after the discovery of America!

Death of Miss Mabel A. Smith.

Miss Mabel Smith, with '03, died at Grace Hospital in Detroit on Friday September, 7. The news came with a shock to all at the College. Notwithstanding her comparatively short attendance at the College, she had made a large acquaintance and was greatly beloved. Her bright mind and attractive disposition made her a welcome guest in all circles and her death is sincerely and deeply deplored by the whole college community.

Information Wanted.

Strange questions have been asked by visitors to the College.

One woman in search of information asked the librarian to direct her to the College campus.

Another visitor who evidently had not read the M. A. C. catechism, having just landed from the car, looked about in every direction in a dazed way, and then approaching one of our most venerable professors, and pointing over towards Abbot Hall, inquired, "Is that the school house?"

Lecture Course.

The M. A. C. Entertainment Club announces the following program of attractions to be held in the College Armory during the ensuing school year.

November 23, W. R. M. French, Wit and Wisdom of the Crayon.

December 12, John Temple Graves, A Reunited Country.

February 1, Benjamin Chapin, Dramatic Interpretation of Cyrano De Bergerac.

February 15, Casberry-Dorno, Recital American Henschels.

March 8, Frank Crane, What will you do with it.

April 12, George Kennan, Life on the Great Siberian Road.

The talent in the above series of entertainments is of a sufficiently high quality to meet the approval of all; and the price is in the reach of everybody; so get your ticket early and enjoy a Friday night's pleasant instruction now and then during your life at College. J. B. S.

Schedule for Entrance Examinations.

Entrance examinations for agricultural freshmen, mechanical five-year men, and women freshmen will be held as follows:

TUESDAY, SEPT. 18,

8-10 a. m. U. S. History, room 7, College Hall.

10-12 a. m. Grammar, Spelling and Reading, room 7, College Hall.

1-3 p. m. Arithmetic, room 2, College Hall.

3-5 p. m. Geography, physiological lecture room, 2d floor, Library Building.

Entrance examinations for the four-year mechanical course will be held as follows:

TUESDAY, SEPT. 18.

8-10 a. m. U. S. History, room 7, College Hall.

10-12 a. m. English as on pp. 33-34 College catalogue, room 7, College Hall.

1-3 p. m. Arithmetic, room 2, College Hall.

3-5 p. m. Geography, physio-

logical lecture room, 2d floor, Library Building.

WEDNESDAY, SEPT. 19.

8-10 a. m. Algebra through quadratics, room 2, College Hall.

10-12 a. m. Plane Geometry, room 2, College Hall.

1-3 p. m. Physics, Physical Laboratory.

Morals at M. A. C.

We clip the following from the last issue of the *Michigan Farmer*. We thank the editor of the Grange Department for his explanation, which contains words of truth and soberness only. In every relation, from the conduct of our students in the class-rooms, on through the dormitory and social life to the plane of morals on which our athletics are conducted, we challenge comparison with other schools, not excepting any.

A brother at Newaygo county Pomona is reported to have made the statement that if a young man wishes to learn farming, the Michigan Agricultural College is the best place in the world for him to go. This was a deserved tribute to the College. But the brother also said that "morals are slack there—no one looks after the students." We hasten to say that we believe this assertion entirely unjust to the College. We think the brother has obtained erroneous impressions. We have been in close personal touch with the College for fourteen years, and we say emphatically that we believe student morals at M. A. C. were never so good as they are now. President Snyder's strong point is his management of the students, and it is only simple justice to him and to the institution to say that we regard the College as the safest place it has ever been for your boys and girls. Considering the size of the institution, students are closely looked after as to their morals, and it seems to us that none need go astray there who have been well brought up at home.

A man's neighbors are mirrors in which he sees his own faults without recognizing them.

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JACKETS, SKIRTS,
WAISTS and
UNDERWEAR.

Our Carpet Department . . .

offers special inducements in

RUGS, MATTING,
CURTAINS, etc.

WE GIVE SPECIAL ATTENTION TO STUDENTS AT M. A. C.

Simons Dry Goods Co.

104 Washington Ave. South.

Furniture Headquarters.

COMPLETE LINE OF FURNITURE FOR STUDENTS' ROOMS

Woven Wire Springs at	-	\$1.50, \$2.00 and \$2.50
Woven Wire Cots at	-	\$1.50, \$2.00 and \$2.50
Mattresses at	-	\$1.75, \$2.00, \$2.50 up
Chairs at	-	50c, 60c, 75c up
Arm Chairs at	-	\$1.50, \$1.75, \$2.00 up
Student's Tables at	-	\$1.50, \$1.75, \$2.00
Rockers at	-	\$1.00, \$1.25, \$1.50, \$1.75, \$2.00 up
Iron Bed Complete (any width) with Spring and Mattress only	-	\$6.00
Washstands	\$1.50	Commodore \$3.00

All goods delivered free to College.

M. J. & B. M. Buck.

NOT all hats are what they seem, but ours are what we claim them to be—the best Material, the best Make and the latest fashion. Same is true of our Cap line, nothing but the latest styles find place in our stock. We carry Spaulding's M. A. C. Sweater in stock and can supply you with anything in Athletic Goods. Students' patronage respectfully solicited.

Elgin Mifflin.

Gymnasium Shoes

We have just received a good assortment of Gymnasium Shoes, Cloth Tops, Rubber Soles which we bought especially for our M. A. C. Customers. Quality is excellent and prices very low.

The M. A. C. Shoe Store. **G. D. Woodbury.** Hollister Block Lansing, Mich.

Personals.

F. M. Morrison, with '97, has returned and will be in school this year.

Prof. Plant, of the department of mathematics in Bradley Institute, Peoria, Illinois, has been visiting at Dr. Kedzie's.

D. W. Trine, '92, State inspector of orchards and nurseries, has a little girl, born August 23.

Prof. Gager C. Davis, '89, chemist of the American Girl Gold Mining Co., called at the College Sept. 13. He was visiting friends in Lansing.

W. C. Bagley, '95, who obtained from Cornell University last June, his Ph. D. degree, wrote the thesis for his doctorate on the subject "The Apperception of the Spoken Sentence."

Thorn Smith, '95, chemist for the Ducktown Copper and Sulphur Co., Isabella, Tenn., has been extremely ill with typhoid fever. Later information is to the effect that the crisis of the disease is past and his condition is much improved.

Mr. F. H. Hillman, '88, is doing some special study in botany at the College in preparation for a book which he is getting out. Mr. Hillman has been until recently connected with the Nevada State University and Experiment Station.

L. S. Munson, '97, late assistant in chemistry in the Experiment Station, scientific aid in the division of chemistry, Department of Agriculture, Washington, D. C., visited Dr. Kedzie last week. He will speed the beet sugar campaign as chemist to the West Bay City sugar factory.

A. L. Waters, '90, since his visit here last Sept. besides making several important mining examinations has been superintendent of two copper-smelting plants and has just resigned the last position to become superintendent of a large mine in Sonora, Mexico, upon which a smelter will be erected at once. He is now in Denver, Colo., on business and in the past two months has visited San Francisco and Los Angeles, City of Mexico and Hermosillo, Sonora, Mex. which will be his address in future. He says that mining is booming throughout Mexico and our western states, and at present Mining Engineering is a highly satisfactory profession.

M. A. C. men have a habit of going to the front in a way that testifies strongly to the value of their training. Yale University wanted the best man obtainable in the United States for their new Department of Forestry, and they took from the division of Forestry at Washington, D. C., our graduate, J. W. Toumey, '89. The department wanted the best man possible to replace Mr. Tonney and they took another graduate of ours, C. S. Crandall, '73, from the Colorado Agricultural College. The college in turn desired a first-class man and they took still another graduate, W. Paddock, '93, from the Experiment Station at Geneva, New York. Now the Experiment Station is seriously considering several of our men for the last vacancy.

C. S. Crandall, '73, late professor of horticulture and botany in the Colorado Agricultural College, Fort Collins, Colorado, has been transferred to the Department of Forestry at Washington. He is now in

the field and writes a very interesting letter to Prof. W. S. Holdsworth from his camp on the Continental Divide near Mount Zirkel. With Prof. Holdsworth's permission we make the following extracts from his letter:

"Your very kind letter reached me at a camp over on the Medicine Bow Range * * I think that if you could be present at one of our camp meals and note my application to bacon, spuds and other edibles you would be skeptical about my being in poor health. * * I left Washington on July 30 and have been in the field since. The work is pleasant and two months of camp life quite endurable. I have a good cook and two men who assist me in the work. The mountain air, good water, and sound sleep keep us all in the best of health. I establish a camp in some convenient spot and then with the pack horses make short trips into parts of the mountains otherwise inaccessible. Today we returned from a six days' packing trip about the base of Mount Zirkel. The business of the trip was a study of the work of forest fires; but incidentally I saw much grand scenery and derived pleasure from it. The coming week I spend in southern Wyoming and then turn south to the region about Long's Peak. Expect to be out until the middle of October unless driven in by early snow. All through August we had frosty nights, and ice in the water pail is expected each morning. Of course there are some discomforts about camp, particularly when it is wet, but at the same time there is a wonderful fascination about these old mountains." * *

Prof. Davenport on College Education.

Does the college educate away from the farm? asked Prof. Eugene Davenport at a meeting of the Illinois State Farmers' Institute. Prof. Davenport is a practical farmer and a practical educator. He has been a farmer long enough to know what the farmer's boy needs and he has been a college professor long enough to know how to answer his own question and this is his answer in part: "Statistics show that notwithstanding the fact that many students are landless, more than fifty per cent. of all students of agricultural colleges follow farming for a living, which is a higher percentage than is shown by most technical schools. I have known many a man to change his mind in college and become a farmer. I never knew one to turn away from the land while he was a student at an agricultural college. No, my dear brother farmer, if you will send your son to college with healthy sentiments regarding rural life he will never despise it, but the truth is you secretly despise it yourself and unwittingly in more than a thousand ways teach him to do the same. Never, I beg you, withhold the advantages of a liberal education thinking to hold your boy on the farm through ignorance. Give him the best that is to be had and send him to college with neither conceit nor contempt regarding the business of farming, and he will help to bring to rural affairs the strength and culture that we have so largely lost through the withering effect of morbid sentiments."—*Garden and Farm.*

An examination of facts is the foundation of science.—*Haswell's Engineer's Pocket-Book.*

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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.

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Instructions to Students

In order that classes may start off on Wednesday without delay or confusion the following detailed instructions for each class, course and section have been drawn up.

AGRICULTURAL FRESHMEN.

(Class Officer, Dr. Waterman, 1st floor Veterinary Laboratory).

Each freshman student electing the agricultural course will be assigned at classification to one of four sections, and will follow the routine for his section laid down below.

SECTION I.

8-9. Mathematics 1a in College Hall, room 2 under Mr. Locke, text book Wells' Algebra.

9-10. English 1 in class room on second floor of Horticultural Laboratory under Miss Wellman. Text book, Carpenter's Principles of English Grammar, read chapter 1.

10-12. Agriculture 1a in agricultural class room first floor of Agricultural Laboratory, under Prof. Mumford and Mr. Ferguson.

1-2:30. Botany 1a in room 12 Botanical Laboratory under Prof. Wheeler.

3-4. On Tuesday and Thursday, English 3a in College Hall, room 7, under Mr. King. Text book, Cumnock's Choice Readings.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1a, in Armory, under Dr. Waterman.

SECTION II.

8-9. English 1, in classroom on second floor of Horticultural Laboratory, under Miss Wellman. Text book, Carpenter's Principles of English Grammar. Read Chapter I.

9-10. Mathematics 1a, in College Hall, room 8, under Mr. Beal. Text book, Wells' Algebra.

10-12. Agriculture 1a, in agricultural class-room, first floor of Agricultural Laboratory, under Prof. Mumford and Mr. Ferguson.

1-2:30. Botany 1a, in room 8, Botanical Laboratory, under Mr. Longyear.

3-4. On Tuesday and Thursday, English 3a, in College Hall, room 7, under Mr. King. Text book, Cumnock's Choice Readings.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1a, in Armory, under Dr. Waterman.

SECTION III.

8-10. Agriculture 1a in Agricultural class-room, first floor of Agricultural Laboratory, under Prof. Mumford and Mr. Ferguson.

10-11. Mathematics 1a in room 8, College Hall, under Mr. Parrott. Text-book, Wells' Algebra.

11-12. English 1 in College Hall, room 7, under Miss Blunt. Text-book, Carpenter's Principles of English Grammar. Read Chapter I.

1-2. On Monday and Wednesday, English 3a in College Hall, room 7, under Miss Wellman. Text-book, Cumnock's Choice Readings.

2:30-4. Botany 1a in room 12, Botanical Laboratory, under Prof. Wheeler.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1a in Armory, under Dr. Waterman.

SECTION IV.

8-10. Agriculture 1a in agricultural class room first floor of Agricultural Laboratory under Prof. Mumford and Mr. Ferguson.

10-11. English 1 in class room on second floor Horticultural Laboratory under Mr. Cartland. Text book, Carpenter's Principles of English Grammar. Read Chapter I.

11-12. Mathematics 1a in room 8, College Hall under Mr. Parrott. Text book, Wells' Algebra.

1-2. On Monday and Wednesday, English 3a in College Hall, room 7 under Miss Wellman. Text book, Cumnock's Choice Readings.

2:30-4. Botany 1a in room 8 Botanical Laboratory under Mr. Longyear.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1a in Armory under Dr. Waterman.

AGRICULTURAL SOPHOMORES

(Class officer, Dr. Beal, room 3, Botanical Laboratory) will be divided at classification into two sections as follows:

SECTION I.

8-9. Monday, Tuesday, Wednesday and Thursday, Physics 2c, in class-room in Physical Laboratory.

9-10. Mathematics 2b in room 6, College Hall, under Mr. Locke. Text-book, Wentworth's Geometry.

10-11. On Monday and Wednesday, English 2c in Physiological class-room, second floor of Library and Museum building, under Miss Wellman. Bring Cairns' Rhetoric.

10-11. On Tuesday and Thursday, Anatomy a in same class-room, under Prof. Barrows. Text-book, Foster and Shore's Physiology.

Note.—Prof. Barrows will make his own assignments for laboratory work in the four divisions named in daily program.

11-12. Chemistry 1 in Lecture room of Chemical Laboratory, under Prof. F. S. Kedzie.

1-3. Agriculture 7, Agricultural class-room, 1st floor Agricultural Laboratory, under Prof. Jeffrey.

3-4. On Monday and Wednesday Lab. in Chemistry in Chemical Laboratory, under Mr. Reed.

5-6. Tuesday, Wednesday and Thursday, Military Science 1d, in Armory, under Dr. Waterman.

SECTION II.

8-9. Physics 2c, with section 1.

9-10. Monday and Wednesday, English 2c, in Physiological class room, second floor Library building, under Mr. Cartland. Bring Cairns' Rhetoric.

9-10. Tuesday and Thursday, Anatomy a, in same class room, under Prof. Barrows. See note above.

10-11. Mathematics 2b, in room 6, College Hall, under Prof. Babcock. Text book, Wentworth's Geometry.

11-12. Chemistry 1, with section 1.

1-3. Agriculture 7, with section 1.

3-4. Tuesday and Thursday. Laboratory in chemistry 1, in Chemical Laboratory, under Mr. Reed.

5-6. Military Science 1d, with section 1.

AGRICULTURAL JUNIORS.

(Class officer, Prof. Mumford, 1st floor, Agricultural Laboratory.)

8-9. English 4, on Monday, Wednesday and Friday, in room 7, College Hall, under Miss Blunt. Text book, McEwan's Essentials of Argumentation.

8-9. On Tuesday and Thursday, English 3d, in College Hall, room 9, under Mr. King.

9-10. Chemistry 3, in lecture room of Chemical Laboratory, under Dr. Kedzie.

10-12. Botany 3. Rooms 7 and 8 in Botanical Laboratory, under Dr. Beal.

1-3. Horticulture 2b, at Horticultural Laboratory, under Prof. U. P. Hedrick.

3-4. Horticulture 2a, in class room on second floor of Horticultural Laboratory, under Prof. U. P. Hedrick.

5-6. Tuesday, Wednesday and Thursday, Military Science 1g, in Armory, under Dr. Waterman.

AGRICULTURAL SENIORS.

(Class officer, Prof. Mumford, Agricultural Laboratory.)

Classes will meet as follows:

8-9. Bacteriology 1. Second floor of Vet. Lab. under Prof. Marshall.

9-10. Veterinary Science 2a. 1st floor of Vet. Lab. under Dr. Waterman. Study introduction and Chap. 1 and 2 of Gottheil's Manual of General Histology.

10-11. History 4, in College Hall, room 5 under Prof. W. O. Hedrick. Text, Channing's Students History of the United States.

11-12. Zoology 2, in Physiological classroom on 2d floor of Library building, under Prof. Barrows.

1-3. Agriculture 1b, Agricultural Laboratory, classroom on 2d floor under Prof. Mumford.

1-3. Horticulture 7, in Botanical Laboratory, room 6, under Dr. Beal.

3-4. Civil Engineering 2, in room 2 College Hall, under Prof. Vedder.

5-6. Tuesday, Wednesday and Thursday, Military Science 1j, in Armory, under Dr. Waterman.

MECHANICAL FOUR YEAR FRESHMEN

(Class officer, Prof. Vedder, room 3, College Hall.) Will be assigned to one of two sections and will have the following schedule—

SECTION I.

8-10. Mechanical Engineering 1a, in Wood-shop of Mechanical Laboratory, under Mr. Bradford.

10-11. On Monday and Wednesday, Laboratory work in the analytical room of the Chemical Laboratory.

11-12. On Tuesday, Thursday and Saturday, Drawing and Design 1a in College Hall, room 10, under Prof. Holdsworth.

1-2. Mathematics 2d in College Hall, room 6 under Mr. Beal. Text-book, Phillips & Fisher's Geometry.

2-3. Mathematics 1e in College Hall, room 6, under Mr. Locke. Text-book, Hall & Knight's Algebra.

3-4. Chemistry in Lecture room of Chemical Laboratory, under Prof. F. S. Kedzie.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1a, in Armory under Dr. Waterman.

SECTION II.

8-9. On Tuesday and Thursday laboratory work in the analytical room of the Chemical Laboratory.

8-10. On Monday, Wednesday and Friday, drawing and design 4a in College Hall, room 10, under Professor Holdsworth.

10-11. Mathematics 1e in class room on second floor of Abbot Hall under Mr. Beal. Text book, Hall and Knight's Algebra.

11-12. Mathematics 2d in College Hall, room 8 under Mr. Locke. Text book, Phillips and Fisher's Geometry.

1-3. Mechanical engineering 1a in wood shop of Mechanical Laboratory under Mr. Bradford.

3-4. Chemistry 1 with Section I.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1a with Section I.

MECHANICAL FOUR YEAR SOPHOMORES.

(Class officer, Prof. Diemer, 1st floor Mechanical Laboratory.) Will also be divided into two sections with schedule as follows.

SECTION I.

8-9. Mathematics 4b in College Hall, room 8, under Mr. Beal. Text book, Jones's Trigonometry.

9-10. On Monday, Tuesday, Wednesday and Thursday Physics 2g in lecture room of Physical Laboratory under Prof. Atkins.

10-12. On Monday, Wednesday and Friday Drawing and Design 5b in draughting room, Mechanical Laboratory under Prof. Holdsworth. Text book, Church's Descriptive Geometry.

10-11. On Tuesday, English 3b in College Hall, room 9, under Mr. King. Text-book, Clark and Blanchard's Practical Elocution. Bring text-book to class.

11-12. On Tuesday and Thursday, Mechanical Engineering 5, in lecture room of Mechanical Laboratory, under Mr. Leonard.

1-5. On Monday, Tuesday and Thursday, Mechanical Engineering 1d in forge shop, machine shop or foundry of Mechanical Laboratory, under Mr. Theodore, Mr. Leonard, or Mr. Baker.

1-3. On Friday, Laboratory work in Physical Laboratory, under Prof. Atkins or Mr. Taylor.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1d, in Armory, under Dr. Waterman.

SECTION II.

8-10. On Tuesday, Thursday and Saturday, Drawing and Design 5b, in draughting room of the Mechanical Laboratory, under Prof. Holdsworth. Text-book, Church's Descriptive Geometry.

8-9. On Friday, English 3b, in College Hall, room 9, under Mr. King. Text-book, Clark and Blanchard's Practical Elocution. Bring text-book to class.

9-10. On Monday and Wednesday, Mechanical Engineering 5, in lecture room of Mechanical Laboratory, under Mr. Leonard.

10-11. Mathematics 4b, in College Hall, room 2, under Prof. Vedder. Text-book, Jones' Trigonometry.

11-12. On Monday, Tuesday, Wednesday and Thursday, Physics 2g, in lecture room of Physical Laboratory, under Prof. Atkins.

Note.—The afternoon work for Section II is identical with that for Section I. See schedule above.

MECHANICAL FOUR-YEAR JUNIORS.

(Class officer, Prof. Weil, Mechanical Laboratory.)

9-10. On Wednesday, Mechanical Engineering 11, in lecture room in Mechanical Laboratory, under Prof. Weil.

9-10. On Tuesday and Thursday, Civil Engineering 1b, in College Hall, room 2, under Prof. Vedder. Text-book, Hodgman's Surveying.

10-11. French 1a, in College Hall, room 4, under Prof. Edwards. Text-book, Joyner's Minimum French Grammar. Bring text to class.

10-11. German 1a, in College Hall, room 7, under Miss Blunt. Text-book, Joyner-Meissner's German Grammar. Bring text to class.

11-12. Mathematics 6, in College Hall, room 6, under Prof. Babcock. Text-book, Taylor's Calculus.

1-3. On Monday, Laboratory in Civil Engineering in the field, under Prof. Vedder.

1-4. On Tuesday and Thursday, Mechanical Engineering 6c in drawing room in Mechanical Laboratory, under Mr. Reynolds.

1-4. On Wednesday and Friday, Mechanical Engineering 1g, in machine shop of the Mechanical Laboratory, under Mr. Leonard.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1g, in Armory, under Dr. Waterman.

MECHANICAL FOUR YEAR SENIORS.

(Class officer, Prof. Weil, Mechanical Laboratory.)

8-9. Mechanical Engineering 17, in lecture room in Mechanical Laboratory, under Prof. Weil. Text-book, Peabody.

9-10. On Monday, Wednesday and Friday, Civil Engineering 4, in College Hall, room 2, under Prof. Vedder.

9-10. On Tuesday and Thursday, Mechanical Engineering 14a, in lecture room in Mechanical Laboratory, under Prof. Diemer. Text-book, Stahl and Wood.

10-12. On Monday, Wednesday and Friday, Mechanical Engineering 8b, in Mechanical Laboratory, 1st floor drawing room under Prof. Diemer.

10-12. On Tuesday and Thursday, Mechanical Engineering 16, in Mechanical Laboratory, 1st floor, drawing room, under Prof. Diemer. Text-book, Herrmann-Smith.

1-3. On Monday and Wednesday, Mechanical Engineering 15a, in Experimental Laboratory of Mechanical Laboratory, under Prof. Weil and Mr. Reynolds.

1-4. Tuesday and Thursday, Mechanical Engineering 1j, in Machine Shop of Mechanical Laboratory, under Mr. Leonard.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1j, in Armory, under Dr. Waterman.

FIVE-YEAR MECHANICAL—FIRST YEAR MEN

(Class officer, Prof. Holdsworth, 2d floor of Mechanical Laboratory.) Will follow schedule as laid down below.

8-9. Mathematics 1c, in College Hall, room 6, under Prof. Babcock. Text-book, Hall and Knight's Algebra.

9-10. English 1, in College Hall, room 9, under Mr. King. Text-book, Carpenter's Principles of English Grammar. Read chapter I.

10-12. Mechanical Engineering 1m, in wood shop of Mechanical Laboratory, under Mr. Bradford.

1-3. On Monday, Wednesday and Friday, Drawing and Design 4a, in College Hall, room 10, under Mr. Newman.

5-6. On Tuesday, Wednesday and Thursday, Military Science 1a, in Armory, under Dr. Waterman.

Note.—On Saturday, from 8-12, this class will report to Mr. Reynolds in drawing room on first floor of Mechanical Laboratory for Mechanical Engineering 20.

FIVE-YEAR MECHANICAL—SECOND YEAR MEN.

(Class officer, Prof. Vedder, room 3, College Hall.)

8-9. Mathematics 2d, in classroom on second floor of Abbot Hall, under Mr. Parrott. Text-book, Phillips & Fisher's Geometry.

9-10. Mathematics 1e, in same class room, under Mr. Parrott. Text-book, Hall & Knight's Algebra.

10-12. On Monday, Wednesday and Friday, Mechanical Engineering 1q, in forge shop or machine shop or foundry of the Mechanical Laboratory, under Mr. Theodore, Mr. Leonard, or Mr. Baker.

1-2. On Tuesday and Thursday, work in Chem. Lab., under Mr. Reed.

2-3. On Monday and Wednesday, English 2c, in College Hall, room 7, under Prof. Edwards. Bring Cairns's Rhetoric to class.

3-4. Chemistry 1 with Four Year Mechanical Freshmen. See above.

5-6. On Tuesday, Wednesday and Thursday Military Science 1d in Armory under Dr. Waterman.

WOMEN FRESHMEN.

(Class officer, Prof. U. P. Hedrick, 2d floor Horticultural Laboratory.)

Parallel with the Agricultural Freshmen, the Women Freshmen will be assigned to one of four sections and each section will proceed as follows:

SECTION I.

8-9. Mathematics 1a with Section I. of Agricultural Freshmen. See above.

9-10. English 1 with Section I of Agricultural Freshmen. See above.

10-11. On Monday Ethics a in Women's Building, lecture room, under Miss Keller.

10-11. On Wednesday, Domestic Science 1a in Women's Building, lecture room, under Miss Lyford.

10-12. On Tuesday and Thursday Domestic Science 1a in Women's Building, Cooking Laboratory, under Miss Lyford.

11-12. On Monday and Wednesday, English 3a in College Hall, room 9 under Miss Wellman. Text book, Cumnocks Choice Readings.

1-2:30. Botany 1a with Section I of Agricultural Freshmen. See above.

3-4. On Monday, Wednesday and Friday, Physical Culture a, in Women's Building, gymnasium, under Miss Avery.

SECTION II.

8-9. English 1, with Section II of agricultural freshmen. See above.

9-10. Mathematics 1a, with Section II of agricultural freshmen. See above.

10-4. Follow schedule of Section I of freshmen women given just above.

SECTION III.

8-9. On Monday and Wednesday, English 3a, in College Hall, room 9, under Mr. King. Text-book, Cumnocks Choice Readings.

8-10. On Tuesday and Thursday, Domestic Science 1a, in Women's Building, Cooking Laboratory, under Miss Lyford.

9-10. On Monday, Domestic Science 1a, in Women's Building, lecture room, under Miss Lyford.

9-10. On Wednesday, Ethics a,

in Women's Building, lecture room, under Miss Keller.

10-11. Mathematics 1a, with Section III of agricultural freshmen. See above.

11-12. English, with Section III of agricultural freshmen. See above.

1-2. On Monday, Wednesday and Friday, Physical Culture a, in Women's Building gymnasium, under Miss Avery.

2:30-4. Botany 1a, with section III of Agricultural Freshmen. See above.

SECTION IV.

8-10. Follow schedule for section III of Women Freshmen given just above.

10-11. English 1, with section IV of Agricultural Freshmen. See above.

11-12. Mathematics 1a, with section IV of Agricultural Freshmen. See above.

1-4. Follow schedule for section III of Women Freshmen given just above.

WOMEN SOPHOMORES

(Class officer, Miss Blunt, Library.) will be assigned to one of two sections and will proceed as follows:

SECTION I.

8-9. History 2, in College Hall, room 5, under Prof. W. O. Hedrick. Text-book, Adams's European History.

9-10. On Monday and Wednesday, work in analytical room of Chemical Laboratory.

9-10. On Tuesday and Thursday, Drawing and Design 1d, in College Hall, room 10, under Miss Holt.

10-11. On Monday and Wednesday, English 2c in Physiological Lecture room on second floor of Library building, under Miss Wellman. Bring Cairns's Rhetoric.

10-11. On Tuesday and Thursday, Anatomy a, in same room, under Prof. Barrows. Text-book, Foster and Shore's Physiology.

10-11. On Friday, work in the Anatomical Laboratory on second floor of Library Building.

11-12. Chemistry 1 in lecture room of Chemical Laboratory under Prof. F. S. Kedzie.

1-3. On Monday and Wednesday Domestic Art 1a in Women's Building, Sewing Laboratory under Mrs. Haner.

1-3. On Tuesday and Thursday Drawing and Design 1d in College Hall, room 10, under Miss Holt.

3-4. On Monday, Wednesday and Friday Physical Culture d in Woman's Building, gymnasium, under Miss Avery.

3-4. On Tuesday and Thursday Domestic Science 2a in lecture room of the Veterinary Laboratory under Prof. Marshall.

SECTION II.

8-9. History 2 with Section I of Women Sophomores.

9-10. On Monday and Wednesday English 2c in Physiological Lecture Room on second floor of Library Building under Mr. Cartland. Bring Cairns's Rhetoric.

9-10. On Tuesday and Thursday Anatomy a in same room under Prof. Barrows. Text book, Foster and Shore's Physiology.

9-10. On Friday, work in the Anatomical Laboratory on second floor of Library Building.

10-11. On Monday and Wednesday (changed from published

daily program), Drawing and Designing 1d, in College Hall, room 10, under Miss Holt.

10-11. On Tuesday and Thursday (changed from published daily program), work in analytical room of the Chemical Laboratory.

11-12. Chemistry I with Section I of women sophomores. See just above.

1-3. On Monday and Wednesday, Drawing and Design 1d, in College Hall, room 10, under Miss Holt.

1-3. On Tuesday and Thursday, Domestic Art 1a, in Women's Building, Sewing Laboratory, under Mrs. Haner.

3-4. On Monday, Wednesday and Friday, Physical Culture d, in Women's Building, gymnasium, under Miss Avery.

3-4. On Tuesday and Thursday, Domestic Science 2a, lecture room of Veterinary Laboratory, under Prof. Marshall.

WOMEN JUNIORS.

(Class officer, Miss Keller, Dean's office Women's Building.)

8-9. On Monday, Wednesday and Friday, English 4, with agricultural juniors. See above.

8-9. On Tuesday and Thursday, English 3d, with agricultural juniors. See above.

9-10. Chemistry 3, with agricultural juniors. See above.

10-11. French 1a or German 1a, with mechanical juniors. See above.

11-12. Horticulture 3, in lecture room on second floor of Horticultural Laboratory, under Prof. U. P. Hedrick.

1-3. On Tuesday and Thursday, Domestic Art 2, in Women's Building, sewing laboratory, under Mrs. Haner.

2-3. On Monday and Wednesday, Drawing and Design 2, in College Hall, room 10, under Prof. Holdsworth.

3-4. On Monday, Wednesday and Friday, Physical Culture 9, in Women's Building, gymnasium, under Miss Avery.

WOMEN SENIORS.

(Class officer, Miss Keller, Dean's Office, Women's Building.)

The classes from which senior women elect will be as follows:

8-9. Bacteriology, in Bacteriological Laboratory, on second floor of Veterinary Laboratory, under Prof. Marshall.

9-10. French 2a, in College Hall, room 4, under Prof. Edwards.

9-10. German 2a, in College Hall, room 7, under Miss Blunt.

10-11. History 4. As for Agricultural seniors, see above.

11-12. Zoology 2. As for agricultural seniors, see above.

1-3:30. On Tuesday and Thursday (required), Domestic Science 4, Women's Building, cooking laboratory, under Miss Crowe;

Or, 1-3:30. Tuesday and Thursday, Horticulture 2a, in Horticultural Laboratory, under Prof. U. P. Hedrick.

3-4. On Monday, Wednesday and Friday, Physical Culture j, in Women's Building, gymnasium, under Miss Avery.

Note.—The hours for drill have been changed from the announcement in the Daily Program to Tuesday, Wednesday and Thursday as announced in the various class notice above.

NOTE.—Chapel Exercises at 7:45 A. M. daily, and at 9:00 A. M. on Sunday. All students are earnestly invited to attend.

Death of Miss Mabel A. Smith.

Miss Mabel Smith, with '03, died at Grace Hospital in Detroit on Friday September, 7. The news came with a shock to all at the College. Notwithstanding her comparatively short attendance at the College, she had made a large acquaintance and was greatly beloved. Her bright mind and attractive disposition made her a welcome guest in all circles and her death is sincerely and deeply deplored by the whole college community.

Information Wanted.

Strange questions have been asked by visitors to the College.

One woman in search of information asked the librarian to direct her to the College campus.

Another visitor who evidently had not read the M. A. C. catechism, having just landed from the car, looked about in every direction in a dazed way, and then approaching one of our most venerable professors, and pointing over towards Abbot Hall, inquired, "Is that the school house?"

Lecture Course.

The M. A. C. Entertainment Club announces the following program of attractions to be held in the College Armory during the ensuing school year.

November 23, W. R. M. French, Wit and Wisdom of the Crayon.

December 12, John Temple Graves, A Reunited Country.

February 1, Benjamin Chapin, Dramatic Interpretation of Cyrano De Bergerac.

February 15, Casberry-Dorno, Recital American Henschels.

March 8, Frank Crane, What will you do with it.

April 12, George Kennan, Life on the Great Siberian Road.

The talent in the above series of entertainments is of a sufficiently high quality to meet the approval of all; and the price is in the reach of everybody; so get your ticket early and enjoy a Friday night's pleasant instruction now and then during your life at College. J. B. S.

Schedule for Entrance Examinations.

Entrance examinations for agricultural freshmen, mechanical five-year men, and women freshmen will be held as follows:

TUESDAY, SEPT. 18.

8-10 a. m. U. S. History, room 7, College Hall.

10-12 a. m. Grammar, Spelling and Reading, room 7, College Hall.

1-3 p. m. Arithmetic, room 2, College Hall.

3-5 p. m. Geography, physiological lecture room, 2d floor, Library Building.

Entrance examinations for the four-year mechanical course will be held as follows:

TUESDAY, SEPT. 18.

8-10 a. m. U. S. History, room 7, College Hall.

10-12 a. m. English as on pp. 33-34 College catalogue, room 7, College Hall.

1-3 p. m. Arithmetic, room 2, College Hall.

3-5 p. m. Geography, physio-

logical lecture room, 2d floor, Library Building.

WEDNESDAY, SEPT. 19.

8-10 a. m. Algebra through quadratics, room 2, College Hall.

10-12 a. m. Plane Geometry, room 2, College Hall.

1-3 p. m. Physics, Physical Laboratory.

Morals at M. A. C.

We clip the following from the last issue of the *Michigan Farmer*. We thank the editor of the Grange Department for his explanation, which contains words of truth and soberness only. In every relation, from the conduct of our students in the class-rooms, on through the dormitory and social life to the plane of morals on which our athletics are conducted, we challenge comparison with other schools, not excepting any.

A brother at Newaygo county Pomona is reported to have made the statement that if a young man wishes to learn farming, the Michigan Agricultural College is the best place in the world for him to go. This was a deserved tribute to the College. But the brother also said that "morals are slack there—no one looks after the students." We hasten to say that we believe this assertion entirely unjust to the College. We think the brother has obtained erroneous impressions. We have been in close personal touch with the College for fourteen years, and we say emphatically that we believe student morals at M. A. C. were never so good as they are now. President Snyder's strong point is his management of the students, and it is only simple justice to him and to the institution to say that we regard the College as the safest place it has ever been for your boys and girls. Considering the size of the institution, students are closely looked after as to their morals, and it seems to us that none need go astray there who have been well brought up at home.

A man's neighbors are mirrors in which he sees his own faults without recognizing them.

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'97, has re-
in school this

Plant, of the department of mathematics in Bradley Institute, Peoria, Illinois, has been visiting at Dr. Kedzie's.

D. W. Trine, '92, State inspector of orchards and nurseries, has a little girl, born August 23.

Prof. Gager C. Davis, '89, chemist of the American Girl Gold Mining Co., called at the College Sept. 13. He was visiting friends in Lansing.

W. C. Bagley, '95, who obtained from Cornell University last June, his Ph. D. degree, wrote the thesis for his doctorate on the subject "The Apperception of the Spoken Sentence."

Thorn Smith, '95, chemist for the Ducktown Copper and Sulphur Co., Isabella, Tenn., has been extremely ill with typhoid fever. Later information is to the effect that the crisis of the disease is past and his condition is much improved.

Mr. F. H. Hillman, '88, is doing some special study in botany at the College in preparation for a book which he is getting out. Mr. Hillman has been until recently connected with the Nevada State University and Experiment Station.

L. S. Munson, '97, late assistant in chemistry in the Experiment Station, scientific aid in the division of chemistry, Department of Agriculture, Washington, D. C., visited Dr. Kedzie last week. He will speed the beet sugar campaign as chemist to the West Bay City sugar factory.

A. L. Waters, '90, since his visit here last Sept. besides making several important mining examinations has been superintendent of two copper-smelting plants and has just resigned the last position to become superintendent of a large mine in Sonora, Mexico, upon which a smelter will be erected at once. He is now in Denver, Colo., on business and in the past two months has visited San Francisco and Los Angeles, City of Mexico and Hermosillo, Sonora, Mex. which will be his address in future. He says that mining is booming throughout Mexico and our western states, and at present Mining Engineering is a highly satisfactory profession.

M. A. C. men have a habit of going to the front in a way that testifies strongly to the value of their training. Yale University wanted the best man obtainable in the United States for their new Department of Forestry, and they took from the division of Forestry at Washington, D. C., our graduate, J. W. Toumey, '89. The department wanted the best man possible to replace Mr. Toumey and they took another graduate of ours, C. S. Crandall, '73, from the Colorado Agricultural College. The college in turn desired a first-class man and they took still another graduate, W. Paddock, '93, from the Experiment Station at Geneva, New York. Now the Experiment Station is seriously considering several of our men for the last vacancy.

C. S. Crandall, '73, late professor of horticulture and botany in the Colorado Agricultural College, Fort Collins, Colorado, has been transferred to the Department of Forestry at Washington. He is now in

the field and writes a very interesting letter to Prof. W. S. Holdsworth from his camp on the Continental Divide near Mount Zirkel. With Prof. Holdsworth's permission we make the following extracts from his letter:

"Your very kind letter reached me at a camp over on the Medicine Bow Range * * I think that if you could be present at one of our camp meals and note my application to bacon, spuds and other edibles you would be skeptical about my being in poor health. * * I left Washington on July 30 and have been in the field since. The work is pleasant and two months of camp life quite endurable. I have a good cook and two men who assist me in the work. The mountain air, good water, and sound sleep keep us all in the best of health. I establish a camp in some convenient spot and then with the pack horses make short trips into parts of the mountains otherwise inaccessible. Today we returned from a six days' packing trip about the base of Mount Zirkel. The business of the trip was a study of the work of forest fires; but incidentally I saw much grand scenery and derived pleasure from it. The coming week I spend in southern Wyoming and then turn south to the region about Long's Peak. Expect to be out until the middle of October unless driven in by early snow. All through August we had frosty nights, and ice in the water pail is expected each morning. Of course there are some discomforts about camp, particularly when it is wet, but at the same time there is a wonderful fascination about these old mountains." * *

Prof. Davenport on College Education.

Does the college educate away from the farm? asked Prof. Eugene Davenport at a meeting of the Illinois State Farmers' Institute. Prof. Davenport is a practical farmer and a practical educator. He has been a farmer long enough to know what the farmer's boy needs and he has been a college professor long enough to know how to answer his own question and this is his answer in part: "Statistics show that notwithstanding the fact that many students are landless, more than fifty per cent. of all students of agricultural colleges follow farming for a living, which is a higher percentage than is shown by most technical schools. I have known many a man to change his mind in college and become a farmer. I never knew one to turn away from the land while he was a student at an agricultural college. No, my dear brother farmer, if you will send your son to college with healthy sentiments regarding rural life he will never despise it, but the truth is you secretly despise it yourself and unwittingly in more than a thousand ways teach him to do the same. Never, I beg you, withhold the advantages of a liberal education thinking to hold your boy on the farm through ignorance. Give him the best that is to be had and send him to college with neither conceit nor contempt regarding the business of farming, and he will help to bring to rural affairs the strength and culture that we have so largely lost through the withering effect of morbid sentiments."—*Garden and Farm.*

An examination of facts is the foundation of science.—*Haswell's Engineer's Pocket-Book.*

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