

The M. A. C. Record.

VOL. 4.

LANSING, MICHIGAN, TUESDAY, APRIL 4, 1899.

No. 29

Botanical Club.

At the last meeting of the Botanical Club Mr. B. O. Longyear gave a very interesting talk on the "Flora of Puerto Rico," exhibiting about fifty different seeds grown upon the island.

Mr. H. C. Skeels then spoke upon "The Work in a Herbarium." Mr. Skeels also stated that about 1,600 plants had very recently been added to our herbarium.

The following officers were elected for the spring term: President, Miss Marie Belliss; vice-president, G. M. Bradford; secretary, W. S. Palmer; janitor, H. C. Skeels.

Club meets next Monday, April 10.

The College Herds Tested.

The College herds of 100 animals were tested during vacation week for symptoms of tuberculosis. The test was made by students under the direction of Dr. Marshall, and the results were encouraging. Of the tuberculous herd, consisting of a few animals that have been isolated for hygienic treatment, four of the most valuable animals, viz: Rosa Bonheur 5th, College Rosa, College Victoria C., and Cara, were pronounced sound. The remaining seven of the tuberculous herd, with the exception of Belle Sarcastic, will be killed. Of the regular herd College Belle was the only animal to show any reaction, and in her case the symptoms were so slight that she will be spared, together with Belle Sarcastic, for another test next October. One thing is remarkable in our experience with tuberculous cattle; in no case has the calf from a tuberculous cow, if taken away at once, shown symptoms of tuberculosis.

Michigan A Beet Sugar State.

The success of Bay county farmers in raising sugar beets, and the manufacture by the Bay City factory of several million pounds of first class beet sugar last season, has produced a sugar beet craze among the farmers of southern Michigan. During the past three months Professor Smith has spoken no less than 29 times in 24 different counties to crowds of farmers anxious to know how to grow sugar beets successfully. And the end is not yet. He now has appointments to speak at Jackson the 4th of this month, at Battle Creek the 5th, at Richmond the 7th, at Kalamazoo the 8th, at Wayland the 10th, at Sparta the 11th, at Holland the 12th, at Shelby the 13th, at Fremont the 14th; and the people of Benton Harbor and Grand Rapids want him as soon as he can find time to speak to them.

Before the end of the present season eight new factories will be in operation: two in Bay City and one in each of the following towns: Caro, Alma, Rochester, Kalamazoo, Holland, Benton Harbor. Grand Rapids capitalists may also erect a plant this year, the loss of extensive peach orchards in that vicinity having turned the attention of farmers to some other industry than fruit-raising. Next year will probably see factories in Jackson, Flint,

Marine City, and possibly one in Menominee county.

In this connection the College has a duty to perform. Wherever a factory is erected, there will be needed an agriculturist to direct and instruct the farmers in the raising of sugar beets and one or more chemists to analyze the beets and supervise generally the process of making sugar. So far as we are able we propose to give those seniors who desire such work an opportunity to study and experiment on the best methods of raising sugar beets, and also to provide them a course in the chemistry of beets and the manufacture of beet sugar.

Good Record for Our Lighting Plant.

The College Electric Lighting Plant has made a remarkable run. From January 3, '98, to March 25, '99 the power never failed to respond for a single instant. The remarkable part is that the entire outfit from the dam to the lamps was new and untried. On the first Saturday of vacation the lights were off for about one hour, owing to a broken belt. During the year and three months the line has been down three times. The four wires are so arranged that more than two of the wires must fall down before service is suspended.

It is rare that the young escape all infantile diseases. The statement is true for most new enterprises and especially for those involving the use of machinery. Only the most careful thought in designing together with the best engineering skill can secure continuous operation. In an electric lighting plant reliability is the virtue against which all others count for naught. If the current stops the cause may be one of a thousand things. Each one of those thousand things must be anticipated and prevented by the engineer.

Up to date the operation of the electrical equipment has been very satisfactory, not a single transformer has been burned, nor has any of the apparatus been damaged in any way. We hope that it will continue to operate like "the one-hoss shay."

Grand Work For Michigan Women.

The Michigan Agricultural College is accomplishing grand things for Michigan women. Its course of study for them includes not only cooking, sewing, chemistry, botany, but literature, music and all branches taught in a first class college. The dean of the woman's department is Miss Maud R. Kellar, a cultured and winsome lady who has many friends in the East. Miss Ellen R. Rushmore, instructor in cooking, is a graduate of Drexel and Pratt Institutes. The outlook for the future of Michigan home makers is surely brightening. God speed the day when the dreary regime of ignorance and incompetency shall have forever passed away.

The woman's section of the State Farmers' Institute is another agent working in the interest of better home making. The dean of the woman's work in connection with

these institutes is Mrs. Mary A. Mayo, a woman of large experience and motherly heart. The subjects chosen always relate to the betterment of home and family life. Many of the themes selected are along the line of domestic economy. Associated with Mrs. Mayo for the coming winter are Mrs. Belle M. Perry of Charlotte, one of the most able and best known newspaper women of the state, Mrs. Ella W. Rockwood, Mrs. Mary A. Kennedy and Mrs. Irma T. Jones.

A movement just fairly begun in Lansing is expected to secure the teaching of cooking in the public schools of the city in the near future. Thus there appears noteworthy advance all along the line in Michigan. When clubs, schools and colleges work together for so worthy an end, progress is assured and the conquest of public sentiment in its favor is at hand. The reign of waste and indigestion, let us hope, will speedily be ended.—*The American Kitchen Magazine*, Boston.

Students' Farmers' Clubs.

We have our Botanical Club, our National History Society and our Mechanical Fraternity (Tau Beta Pi); now why not take a suggestion from the students of Kansas Agricultural College and organize a Farmer's Club? The agricultural students of that institution have such a club, which has a membership of about 75 names and holds weekly meetings. Subjects pertaining to the farm, as soil, grain, stock, dairy, horticulture, landscape gardening, veterinary science, botany, entomology, chemistry and even domestic science are discussed. These discussions bring out points of great value to the young man who expects to return to the farm; and not only that, but the experience he gets by being placed on the program enables him to express to others his own thoughts and give them the benefit of knowledge and experience.

At times the club secures the services of some veteran farmer or agriculturist outside of the college to discuss some special subject. During the past school term the programs were arranged with a view of devoting one evening each to certain phases of farm work. For instance, one evening was devoted to grain growing, another to beef cattle, others to horticulture, domestic science, chemistry, botany, bacteriology, dairy, etc. This arrangement of subjects is proving very satisfactory and instructive, and the young man who attends these meetings with eyes and ears open, cannot fail to learn much that will be of lasting benefit to him in after years.

Musical Society.

The M. A. C. chorus class organized the forepart of last term into a musical society with F. E. West, president; Miss Mary Knaggs, secretary; William Ball, treasurer; Mrs. Marshall, director. It now consists of thirty-five active members. The society will be pleased to welcome those interested in the growth of the organization either as active or honorary members. The annual dues of the active members

is twenty-five cents, of the honorary members, two dollars. It is hoped that this is the beginning of such a chorus as our college needs, and that a few years will find a chorus at M. A. C. equal to those of other colleges; one of which our college may be proud.

At the College.

Secretary Bird's family will arrive at the College, Thursday.

Dr. Kedzie spent his vacation in Peoria and Champaign, Illinois.

Prof. J. D. Towar has been appointed local consul of the L. A. W.

Miss Jennie Shaddick, of Grand Rapids, visited at the College several days last week.

President and Mrs. Snyder will give a banquet to the senior class next Friday evening.

Miss Florence Greening, Toledo, spent her vacation with her sister, Mrs. A. L. Westcott.

Mrs. Gunson was removed to the city hospital last week. She is rapidly improving in health.

N. R. Osborn, who was ill in the hospital several weeks, was taken to his home in Buffalo, N. Y. last week.

A week ago the first practice game of baseball was played at the U. of Pa. We still have fairly good sleighing.

The Experiment Station has a ton of sugar beet seed for distribution among farmers who wish to carry on experiments with sugar beets.

The College appropriation bill is now in the hands of the Senate finance committee, the College committee having reported upon it favorably.

Postmaster I. H. Butterfield has rented the George Martin home just west of College, and will occupy it about the first of May. Mr. Martin will move his family to Harbor Point.

John Severance and A. T. Swift have been spending their vacation on thesis work. They are preparing plats of the Dr. Miles property which they will submit to the new owners for approval.

K. L. Butterfield attended the annual meeting of the American Association of Farmers' Institute Managers in Rochester, N. Y., last Wednesday and Thursday and read a paper on the "Value of the One-day Institute."

R. L. Bigelow was taken to his home in Owosso Saturday, March 25, and returned last Friday to close up his school work. His health is much improved but he has concluded to drop out of College a year and spend the time on the Lakes as oiler on the freighter "Nyanza." He leaves for Milwaukee today.

Dr. and Mrs. Beal, Profs. Barrows and Wheeler and Mr. Pettit attended the meeting of the Michigan Academy of Science in Ypsilanti last week. Prof. Barrows was again elected secretary of the academy, and Professors Smith and Wheeler were re-elected vice presidents of the agricultural and botanical sections, respectively.

THE M. A. C. RECORD.

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The only way, however, to secure THE RECORD
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Official Directory.

Y. M. C. A.—Regular meetings Sunday evenings
at 6:00 and Thursday evenings at 6:30. F. N.
Lowry, President. C. H. Parker, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on
the campus, Tuesday evenings at 8:00, in Abbot
Hall. Sunday meetings with the Y. M. C. A.
Edith A. Smith, President; Elizabeth Johns, Cor.
Secretary.

KING'S DAUGHTERS—Meet alternate Wed-
nesdays. Mrs. C. L. Weil, Leader. Mrs. M. L.
Dean, Secretary.

NATURAL HISTORY SOCIETY—Meets
alternate Wednesday evenings at 6:30 P. M., in
the Zoological Lecture Room. W. B. Barrows,
President. A. J. Cook, Secretary.

BOTANICAL CLUB—Meets Monday evenings
at 6:30 in the Botanical Laboratory. H. C. Skeels,
President. Miss Marie Belliss, Secretary.

SHAKESPEARE CLUB—Meets Wednesday
evenings at 7:30. Dr. Howard Edwards, Presi-
dent.

ADELPHIC SOCIETY—Meetings every Satur-
day evening at 7:00, Class room A., College Hall.
O. L. Ayers, President. H. D. Fay, Secretary.

COLUMBIAN LITERARY SOCIETY—
Meetings every Saturday evening at 7:00. Fourth
floor, Williams Hall. C. F. Austin, President.
A. H. Hayes, Secretary.

ECLECTIC SOCIETY—Meetings every Satur-
day evening at 7:00, Fourth Floor, Williams Hall.
E. D. Gagnier, President. A. C. Williams,
Secretary.

FERONIAN SOCIETY—Meetings every Fri-
day afternoon at 1:00, West Ward, Wells Hall.
Edith A. Smith, President. Grace Lovely,
Secretary.

HESPERIAN SOCIETY—Meetings every Sat-
urday evening at 7:00, West Ward, Wells Hall.
F. N. Lowry, President. J. H. Skinner, Secretary.

OLYMPIC SOCIETY—Meetings every Satur-
day evening at 7:00, Fourth Floor, Williams Hall.
W. K. Brainard, President. H. J. Eustace, Sec-
retary.

PHI DELTA THETA FRATERNITY—
Meetings every Friday evening at 7:30, East Ward,
Wells Hall. Eugene Price, President. M. Hay-
wood, Secretary.

THEMIAN SOCIETY—Meetings every Tues-
day afternoon at 4:00, Phi Delta Theta Rooms,
East Ward, Wells Hall. Ruby Calkins, Presi-
dent. Mrs. C. H. Harris, Secretary.

UNION LITERARY SOCIETY—Meetings
every Saturday evening at 7:00, U. L. S. Hall.
G. N. Gould, President. H. P. Baker, Secretary.

TAU BETA PI FRATERNITY—Meetings on
alternate Thursday evenings, Tower Room, Me-
chanical Laboratory. W. H. Flynn, President.
P. S. Rose, Secretary.

CLUB BOARDING ASSOCIATION—John
Severance, President. H. S. Putney, Secretary.

M. A. C. ATHLETIC ASSOCIATION—E. W.
Ranney, President. R. M. Norton, Secretary.

Class Announcements for Spring Term.

AGRICULTURE.—Seniors. Prof.
C. D. Smith. Meet Tuesday at
9:00 in Agricultural Laboratory.
Juniors, Prof. H. W. Mumford.
Meet Tuesdays at 8 in Agricul-
tural Laboratory (up stairs).

CIVIL ENGINEERING.—Mechanical
seniors. Prof. Vedder. Text,
Johnson. Meet daily at 9 a. m.
in engineering class-room, 1st floor
College Hall. First Lesson, intro-
ductory chapter. Hours for field
work to be arranged later.

CONSTITUTIONAL HISTORY.—
Seniors. Prof. Hedrick. Text,
Hart's Epochs of American His-
tory. Meet daily at 8 a. m. in
class-room B. First Lesson, page
43-50 Vol. II.

DESCRIPTIVE GEOMETRY.—Me-
chanical freshmen. Prof. Holds-
worth. Text, Church's Descrip-
tive Geometry. Meet daily at 9-
10, 11-12 A. M. in Drawing room,
Mechanical Laboratory.

DIFFERENTIAL CALCULUS.—Me-
chanical sophomores. Prof. Bab-
cock. Text, Taylor's Calculus.
Meet daily at 8 A. M. in Room B,
College Hall. First lesson, first
7 articles of Text.

DRAMATIC INTERPRETATION.—
Junior women. Instructor Crosby.
Meet Wednesday at 3 in Room A,
College Hall.

DRAWING.—Sophomore women.
Instructor Holt. Meet Mondays,
Wednesdays and Fridays from 3
to 4 P. M. in Drawing room.

ENGINEERING PRACTICE.—Seniors.
Prof. Weil. Lecture. Meet Mon-
days and Fridays at 11 in recita-
tion-room. (Note books required).

ENGLISH HISTORY.—Freshmen
agriculturals and women. Meet
daily in class room B, as follows:
Section I, with Mrs. Blunt, at
10 a. m. Text, Guest's English
History. Lesson, 1st chapter.

Section II, with Prof. Hedrick,
at 11 a. m. Text, Montgomery's
English History. Lesson, pages
18-26.

Section III, with Mrs. Blunt,
at 1 p. m. Text, Guest's English
History. Lesson, 1st chapter.

Section IV, with Mrs. Blunt,
at 3 p. m. Text, Guest's English
History. Lesson, 1st chapter.

ENGLISH MASTERPIECES.—Senior
Mechanicals. Prof. G. C. Blunt.
Meet, daily at 8, in room D.,
College Hall.

ENTOMOLOGY.—Sophomore agri-
culturals. Prof. Barrows. Text,
Comstock's Manual. Meet Wed-
nesday at 9 in Zoological lecture
room.

ENTOMOLOGICAL LABORATORY.—
Sophomore agriculturals. Prof.
Barrows and Instr. Pettit. First
half of class (A to L) meet Tues-
day at 9 in Zoological lecture
room. Bring 3H or 4H drawing
pencil and eraser.

ENTOMOLOGY.—Senior agricul-
turals. Prof. Barrows and Instr.
Pettit. Text, Comstock's Man-
ual. Meet Tuesday at 4 in Zoo-
logical lecture room.

FARM WORK.—Seniors. Prof. C.
D. Smith. Meet Tuesday at 1
p. m. in Agricultural Laboratory.
Juniors. Prof. C. D. Smith. Meet
Tuesday at 1 p. m. in Agricultural
Laboratory.

GENERAL HISTORY.—Sophomore
Women. Prof. Hedrick. Text,
Meyer's Modern and Medieval
History. Meet daily at 9 a. m.
in class-room B.

GERMAN.—Junior Mechanicals and
Women. Prof. G. C. Blunt.
Meet daily at 9 in Room D, Col-
lege Hall.

HISTORY OF ART.—Junior women.
Prof. Holdsworth. Text, Good-
year's "History of Art." Meet
daily at 8 a. m. in Free-hand
Drawing room. First lesson, first
nine pages.

LABORATORY IN STRENGTH OF
MATERIALS. Juniors. Instructor
Westcott. 2½ hours per week.
The class will be divided into a
number of sections; arrangement
of sections will be announced
later.

MACHINE DESIGN.—Sophomores.
Instructor Smith. Text, M. A. C.
notes. Meet—Section I, Tues-
days and Thursdays, 1 to 3 p. m.;
section II, Tuesdays and Thurs-
days, 9 to 11 a. m., in drawing-
room. (Arrangement of sections
will be the same as last term).

MECHANICS OF ENGINEERING.—
Mechanical juniors. Prof. Ved-
der. Text, Church. Meet daily
at 10 a. m. in Engineering class-
room, first floor College Hall.
First lesson, review first six pages
of chapter on dynamics of rigid
bodies.

METALS AND MINERALS.—Me-
chanical sophomores. Prof. F.
S. Kedzie. Text, Moses and
Parson's Mineralogy. Meet
Tuesdays, Wednesdays and Thurs-
days; section I from 9 to 11, sec-
tion II from 1 to 3, in Qualitative
room, Chemical Laboratory.

ORIGINAL DESIGN.—Seniors.
Prof. Weil. Meet, Tuesdays,
Wednesdays and Thursdays from
10 to 12 in drawing room.
(Class will continue work in
advanced designing, under Mr.
Leonard, for first two weeks.)

PLANE GEOMETRY.—Freshmen.
Agriculturals and Women. In-
structors Beal and Warren. Text,
Wentworth. For the present
come to sections as assigned for the
algebra of last term. Meet daily,
section I at 11 a. m. in class-room
B, on 2d floor of College Hall;
section II, at 10 a. m. in class-
room C, on 3d floor of College
Hall; section III, at 9 a. m. in
same room; section IV, at 9 a.
m. meet Tuesday morning in
engineering class-room, 1st floor
College Hall. First lesson, first
6 pages of text.

PLANT HISTOLOGY.—Sophomore
Women. Dr. Beal and Instructor
Longyear. Meet in Botanical
Laboratory at 1 p. m. Section I,
Tuesdays, Thursdays and Fridays;
Section II, Mondays, Wednesdays
and Fridays.

RHETORIC.—Mechanical Freshmen.
Prof. Keller and Instructor
Crosby. Text, Composition—
Rhetoric. Meet daily; section I
at 10 in room to be announced;
section II at 11 in Room A.

RHETORICALS.—Sophomore Me-
chanicals. Instructor Crosby.
Meet Wednesday at 3 in class-
room A.

SECOND GEOMETRY.—Mechanical
Freshmen. Prof. Babcock. Text,
Wentworth. Meet daily, section
I at 9, section II at 10 a. m. in
Room B, College Hall. First
lesson, pages 209, 210 and 211.

SHOP PRACTICE.—Juniors. Instruc-
tor Leonard. Meet Tuesdays,
Wednesdays and Thursdays, from
1 to 4:20 p. m. in machine shop.
Sophomores. Instructors Leon-
ard, Theodore and Baker. Meet
Mondays and Fridays from 9 to
12 and 1 to 4 in machine shop,
blacksmith shop and foundry.
(Arrangement of sections same as
last term).

Freshmen. Instructors Brad-
ford and Baker. Meet daily;
section I from 1 to 3; section II
from 3 to 5.

STEAM ENGINE.—Sophomores.
Instructor Smith. Text, Holmes.
Meet, Tuesday at 11 in recitation
room. (It may be necessary to
divide this class into two sections;
regular hours of meeting will be
announced later.)

SOIL PHYSICS.—Freshmen. Prof.
C. D. Smith. Note books. Meet
in sections at 8 and 10 in Agricul-
tural Laboratory Tuesday morn-
ing.

STRENGTH OF MATERIALS.—
Juniors. Instructor Westcott.
Text, Church. Meet daily at 8
in recitation room. First lesson,
first five pages of Chap. 1, Part
III.

SURVEYING.—Agricultural sopho-
mores. Prof. Vedder. Text,
Hodgman's Manual. Meet Thurs-
days and Fridays at 8 a. m. in
engineering class-room 1st floor
College Hall. First lesson, first
ten pages of text. Provide a
book for class notes besides the
regulation field note-book. Sec-
tions for field work will be an-
nounced at first meeting of class.

THESIS WORK.—Seniors. Prof.
Weil. Ten hours per week.
Students will arrange individually
with the instructor for program
of work.

TREES AND SHRUBS.—Junior
Agriculturals and Women. Pro-
fessor Wheeler. Meet in Botan-
ical Laboratory at 11 a. m. on
Mondays, Wednesdays and Fri-
days. Time for field work to be
arranged.

TRIGONOMETRY.—Agricultural
Sophomores. Prof. Vedder and
Instructor Beal. Text, Jones.
All members of the class will
meet at 8 a. m. Wednesday in
engineering class-room, 1st floor
College Hall, when the class will
be divided into two sections.
First lesson, first three pages of
text.

Helene.

READ BEFORE THE OLYMPIC SOCIETY BY
L. G. MICHAEL '01.

I.

Time:—A bright, warm, sun-
shiny day in May. Place:—A
green meadow through which flows
a broad, deep river. Here and there,
along the banks of the stream,
widely spreading trees cast their
shadows over the surface of the
water. A boat, its prow drawn up
to the bank, floats in the shade of
one of these trees. Near the boat
sits a girl and beside her lies a young
man, who idly turns the pages of a
book he has been reading aloud.
After the reading had been finished,
a long, earnest conversation had fol-
lowed; that is, earnest on his part,
though she had turned his words
lightly away. At last he cried out:
"You are far too romantic,
Helene. If I thought that you
really felt what you have said, I fear
I should grow desperate. As it is,
I shall have to wait."

"You are far too sober, Harvey.
Of course I like you, after a fashion.
But, then, we've grown up here to-
gether and I think it would be
rather poky and slow to marry a
man I've known all my life,"
answered the girl. "I may be
romantic, but I'll never marry a man
simply because he's well off, finely
educated, and papa approves of him.
No! I'm tired of this hum-drum
matchmaking."

She had risen and now walked
toward the boat. "Are you com-
ing?" she asked as she seated herself
in the stern. He got up; picked
up the book, put it in his pocket,
and stood for a moment looking at
the flushed face of the girl. Then
he smiled and without a word, took
his place at the oars.

II.

"I have discharged the gardener," said Mr. Hamlin, one morning. "He was getting too old to do the heavy work. In his place I have engaged a young German." Helene looked up.

"A German, father? Does he know enough English to take our orders?" she asked.

"He speaks but little English," answered her father. "By the way, what's up with young McKirk? I hear that Harry left this morning for an extended trip through Europe."

It was eight o'clock. Breakfast had just been eaten. Mr. Hamlin still sat at the table. Helene was at the window. As her father spoke, she turned to look at him, but now her attention seemed absorbed by something out of doors, for she quickly turned again toward the window. Her father was unable to tell whether it was the light through the curtain that colored her cheeks, or whether she really blushed.

"Helene!"—It was her mother calling from the hall. Glad of an opportunity to escape, Helene hastened from the room. Her father looked after her and smiled knowingly to himself. Then he went into his study.

III.

As the weeks went by, Helene noticed that the gardener took special interest in those flower beds which she called her own. She often worked here on mild days, taking almost entire care of her flowers. At such times she frequently had occasion to consult the German about improvements in arranging the beds and flowers. She found him very pleasant and polite. His attentive way of listening to her orders, the promptness with which he executed them, the taste and skill which he displayed in all his work pleased Helene. In spite of herself she found that she was taking an interest in him. As for the gardener, he seemed to obey her slightest wish as though she had ordered him to do this or to do that. This to her romantic turn of mind was rather flattering.

IV.

Summer had passed and there was a great deal to be done. The shrubs and tender trees had to be made ready for winter. The gardener worked hard all day. Sometimes he stayed far into the evening covering up the flower beds that they might not be injured by the frost. One moonlight evening Helene stood on the porch watching him going here and there among the flower beds. Suddenly he left his work and came up to where she was.

"Miss Helene, can you come with me a minute?" he asked.

Somewhat surprised she followed him down the path. Pausing at a bend in the way, he turned to her and said:

"Miss Helene my work here is nearly done. I am going away and may never see you again."

She looked at him questioningly. Just then the moon slipped behind a cloud and when it again made its appearance the garden was empty.

V.

All the necessary arrangements for the elopement had been made. Helene was to wait till both father and mother were asleep and then leaving the house by the back way meet him in the garden. Together

they were to go to the river and row down to the little village a mile below. Here the minister would be waiting and soon she would be the wife of her father's gardener. How romantic it all seemed.

It was so difficult to act naturally during these last few hours at home. The least noise startled her. At supper time she was absent-minded and ate little. She looked ill, her father said. Her mother insisted upon her going to her room.

In half an hour Mrs. Hamlin went up to Helene's room. She found the girl seemingly asleep. For some time she stood looking at Helene, and, as she turned to go, she sighed to herself,—"I hope she will be satisfied when all is over."

VI.

It was but the work of a few seconds to get into her mackintosh. The house had been quiet for an hour. She stole down stairs and was soon in the garden. A muffled figure was waiting for her. He spoke in a low tone and together they walked rapidly toward the river. Thus far all had gone well.

Soon they reached the stream. Then for the first time her companion seemed to hesitate. Turning to her he laid his hand upon her arm.

"Helene," he said, "I have done you a great wrong."

"What wrong have you done me?" she asked gaily, but in her mind her thoughts were anything but gay. Without answering her he went on.

"If you knew that I had deceived you would your affections for me be any the less?"

After a moment's thought she answered, "No, it would be the same as now."

While he was talking he removed the scarf in which he had been muffled.

Stooping he dipped his handkerchief in the water and pressed it several times over his face. False mustache and eyebrows were quickly removed and before her stood Harvey McKirk.

"Do not be angry, Helene, I could not help but do as I have done. Everything is ready, shall we go on?"

For a moment she hesitated, then turned and walked slowly to the boat.

"Are you coming?" she asked.

He stood looking at her for a moment then smiled and without a word took his place at the oars.

High School Excursions.

About 150 Howell high school students visited the College last week. A mammoth excursion from Muskegon, Grand Haven, Holland and intermediate points will be here tomorrow. Students from Grand Rapids will visit us some time in May.

Other Colleges.

Miss Caroline Hazard of Peace Dale, R. I., has been elected president of Wellesley College.

It is estimated that the gifts made by Americans to educational and charitable institutions during the past year amounted to \$45,000,000.

Beginning this term, Cornell will publish a new paper, *Alumni News*, in the interest of her 4,000 graduates. It is to be managed by a local alumnus.

HAVE JUST RECEIVED
A NEW LINE OF

TIES FOR EASTER

Some Very Handsome Effects. Four-in-hands seem to be the best for Spring wear.

A complete line of

HATS

Including

DUNLAP'S,
MERTON'S and
YOUNG'S.

Also the swell things in

Golf Caps and Hose.

Students patronage solicited.

ELGIN MIFFLIN.

ALL MEATS....

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

BOTH PHONES. Careful attention given to phone orders.

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R. B. Shank & Co.,

Leading Grocers and Confectioners.

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We announce
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Dress Goods,
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READY MADE WEAR DEPARTMENT.

You will find

New Jackets, Skirts,
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Carpet Department

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Students are invited to see our
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THE DRUGGISTS.

Everything First Class,
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The Celebrated ROYAL SHOES



We have secured the exclusive sale of this celebrated line of Men's Fine Shoes for Lansing. These shoes are made in all styles and all colors at the uniform price of

Three Dollars and Fifty Cents.

They are without doubt one of the best special lines of shoes made and are crowding out many of the Five-Dollar lines wherever introduced.

G. D. Woodbury's

NEW SHOE STORE,

HOLLISTER BLOCK.

NOTICE.

These shoes are now coming in and we will soon have a complete line in all styles.
C. D. W.

News from Graduates and Students.

Jerome K. Stock with '97 is a florist at 333 Avery avenue, Detroit.

H. Jay Hayes with '90 manages the Cleveland branch store for the Grand Rapids Cycle Co.

R. B. Buck '96 has accepted a position as business manager of the *Chronicle*, Burlingame, Kansas.

Roy B. Fugate with '97 fires on a locomotive for the A. T. & S. F. railway at Albuquerque, New Mexico.

Lee Chapman with '97 was married March 25 to a Miss Wright. Mr. Chapman is teaching near Lake Odessa.

E. L. Fugate with '95 is manager and partner in the furniture company of Born & Fugate, Raton, New Mexico.

F. N. Bierce with '97m is employed as erecting engineer by the Stilwell-Bierce & Smith-Vaile Co., Dayton, Ohio.

C. H. Spencer with '92 is assistant engineer in charge of office forces for the Southern Indiana Railway.

The April *Popular Science Monthly* contains an excellent portrait and biographical sketch of the late Dr. Manly Miles.

Ex-President Oscar Clute '62 is again engaged in the ministry at Pomona, California, where he preached several years ago.

Mrs. Eva J. Gray with '01, stenographer for Akron Rubber Works, Akron, Ohio, writes: "M. A. C. is one of the pleasantest places in the world to attend school."

Hon. C. J. Monroe with '61 is president of an organization of Kalamazoo, Van Buren, Cass, Branch, St. Joseph and Calhoun county bankers, organized last month.

Wm. Petrie '90 has secured a farm in northwestern Pennsylvania, and expects to make his home there permanently. His address will be Conneaut Lake, Pennsylvania.

The Defender Photo Paper Co., Rochester, N. Y. in which Fred W. Kramer with '97 was interested, has been "frozen out" by the Eastman trust, and Mr. Kramer has returned to his home in Grand Rapids.

H. R. Smith '95, instructor in chemistry and physics in the Rock Island, (Ill.) high school was this year provided with new laboratories built according to his own plans. Prof. J. E. McGilvrey, high school visitor from the State University, recently made the statement that Rock Island now has the best laboratory facilities in the state of Illinois, not including the universities of the state.

Important Meeting of Record Editors.

All society members of the RECORD staff are requested to meet in Class-room A, College Hall, this evening (Tuesday) at 6:30, to arrange work for the spring term.

Hogs Like Alfalfa Hay.

The Farm Department at the Kansas Experiment Station has recently been buying hogs to repeat the Kaffir feeding experiment. "Ten head arrived one evening," says J. H. Haney in the *National Farm Journal*, "and were turned into the

paved barnyard. About a bushel of whole Kaffir was thrown on the pavement for them and close by an armful of fine alfalfa hay. The hogs began eating the Kaffir very greedily, and in moving about one by one came in contact with the hay. They did not spit out the Kaffir to eat the hay, but their actions showed that the hay suited them better; and the next morning there was less alfalfa than Kaffir left where the hogs were fed."

Important to Science.

For more than fifty years it has been known that the fertilization or impregnation of cryptogamous or flowerless plants was similar to that of animals, but it was not known that this similarity extended to phanerogamous or flowering plants. Now comes the announcement that Mrs. Margaret C. Furguson, an undergraduate student in Cornell, has discovered that the white pine is thus fertilized. This discovery, which has been characterized by Professor Atkinson, head of the botanical department in Cornell, as of the greatest importance, is but another link in the chain of evolution.

Marathon Race.

The Cornell Cross Country Club has announced its intention of holding a race which promises to be an innovation in American college athletics. It is to be a twenty-five mile road race, thus initiating the ancient Marathon race, which was a feature of the Grecian games. This idea has been suggested by the revival of the annual Olympic games in Europe, and is looked upon with much favor by the cross-country runners of the University, many of whom have expressed their intention of entering. It is probable that the winner, if he makes a good showing, will be entered in 1900 in the Olympic games to be held in Paris.

Wesleyan is making another crusade against co-education. At a mass meeting of the students body it has been decided that it is for the best interest of the university that women be excluded and co-education abolished.

We have no objections to curls for a boy, provided the boy hates them.

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All the new things in

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COME IN AND SEE US.

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Cots at - \$1.25, \$1.50, \$2.00 and \$2.50
Wire Springs at - \$1.50 and \$2.00
Mattresses from - \$2.00 up
Tables, Rockers, Bureaus, Iron Beds.

All goods delivered free to College.

M. J. & B. M. Buck.

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LANSING BUSINESS and PROFESSIONAL MEN

The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

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MEAD & WHITE—Architects, Lansing, Mich., 115 Washington Ave. N., and Harbor Springs, Mich., Clark Block.

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J. H. WOOD—Barber, 106 Michigan Avenue E. College work especially solicited.

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LANSING BOOK AND PAPER COMPANY. Books, Stationery, Wall Paper, Engravings and Frames, 120 Washington Ave. N.

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PIANOS, Organs, Sheet Music, Guitars, Banjos, Violins, etc. Bicycles, new or second hand, for sale or rent. Repair shop complete. Bicycles and Guns to rent. Holmes Music and Cycle Co.

GEO. H. RICHMOND. Pierce Cycles. Full line of sundries. Repairing and renting at reasonable rates. 200 N. Washington Ave.

CLOTHING.

LOUIS BECK.—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

A. E. DAVIS.—Clothing and Gentlemen's Furnishings. See ad.

CROCKERY AND GLASSWARE.

H. LARNED.—China, Glass and Lamps. 105 Washington Ave. S.

DENTISTS.

R. W. MORSE, D. D. S. Hollister Block, Room 517.

D. R. DAWLEY, M. D., D. D. S. Office over Postal Telegraph Co., Michigan and Washington aves.

DRUGGISTS.

C. J. ROUSER—Capital Drug Store. 123 Washington Avenue South.

DRY GOODS.

SIMONS DRY GOODS COMPANY.—Dry Goods and Carpets. See ad.

FURNISHING GOODS.

ELGIN MIFFLIN.—Ladies' and Gentlemen's Furnishing Goods. See ad.

FURNITURE DEALERS.

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

GROCERS.

R. B. SHANK & CO., 200 Washington Ave. S. The leading grocers. Both phones. Daily delivery to the college.

HACK AND BAGGAGE LINES.

M. A. C. STUDENTS.—Don't forget W. H. PORTER, the Hack and Liveryman. Rubber tires a specialty. 300 Capitol Ave. S. Both Phones.

HARDWARE, STOVES AND TINWARE.

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

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

HOTELS.

THE NEW GRAND—R. M. Renner, Proprietor. Special rates to students. Washington Avenue S.

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD. (Incorporated) 108 Michigan Ave. West. All kinds of the best insurance. Strongest agency in the city.

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B. P. RICHMOND—Watchmaker, Jeweler and Engraver. 200-202 Washington Avenue N.

LAUNDRIES.

THE VAN GORDER PALACE LAUNDRY. C. H. Hilton, Agt., Wells Hall, Room 97. Irving Gingrich, Agt., Room 47, Williams' Hall. S. P. Lantz, Prop.

LUMBER DEALERS.

H. W. RIKERD.—Lumber Dealer. Mill Street. See ad.

MERCHANT TAILORS.

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

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

MILLINERY.

MRS. L. S. HUDSON, Hudson Block, where you can find the best styles in simple as well as elaborate Hats at lowest prices.

OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M., 2 to 4 P. M. Sundays, 12 to 1. City National Bank Building, Lansing.

PHYSICIANS.

A. D. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

PHOTOGRAPHERS.

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RESTAURANTS.

GILBERT M. HASTY.—Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. 113 Washington Avenue S.