

Death of Gilbert Henry Hicks.

Last Tuesday morning Prof. Wheeler received from Washington, a telegram announcing the sudden death of Mr. G. H. Hicks '92. He had been ailing for several weeks but had only been confined to his room a few days. The immediate cause of his unexpected death was hemorrhage from an ulcer in the intestines. The College faculty through its secretary, immediately sent Mrs. Hicks a telegram of condolence, and a committee of the faculty later prepared the following:

MEMORIAL.

The community at the Agricultural College has been deeply pained to hear of the sudden death of Gilbert H. Hicks, B. S., of the class of '92, at Washington, D. C.

The memory of Mr. Hicks, both as student and instructor in this college, is very precious at M. A. C.—earnest, faithful, true.

Transferred from this College to the Botanical Division of the Department of Agriculture, we noted with interest his efficient work in his new field of effort as Expert Investigator of Commercial Seeds. Cut down in the prime of his life, he has gone on to new fields of investigation where seeds immortal grow, where the tree of life yields her fruits in endless succession and whose leaves are for the healing of nations. "Even so, Father, for so it seemed good in thy sight."

To the afflicted wife and mourning friends we offer our tender sympathy.

R. C. Kedzie,
C. F. Wheeler,
Howard Edwards,
Committee.

Mr. Hicks was born at Corunna, Michigan, in 1861; died at his home in Washington, D. C., on Monday afternoon, December 5, 1898, leaving a wife and two sons. He graduated from the Corunna high school, entered Albion College in 1881, spending two years in the classical course. After leaving college he was married and began an active business career with the Michigan Central Railroad Company. It was while engaged in railroad work that he became interested in the study of botany. In 1889 he became ticket agent at Owosso Junction, and while living there accepted an urgent invitation to spend a day at this College looking over the Botanical department. As is often the case, he was much pleased and found more than he expected. After returning he wrote, "There is no use of talking, I have got the fever and I have got it bad; I am going to resign my good position with the railroad company, losing all chances for promotion, and enter M. A. C." As a student he was diligent, quick, accurate and enthusiastic. Before graduation he was elected instructor in botany, a position he held for three years; then, in 1894, he received through a civil service examination a position as seed expert in the United States Department of Agriculture, at Washington.

His industry, skill, thorough business methods and genial manners twice brought promotion, the last time as First Assistant Chief of the

Division of Botany. Before entering M. A. C., he had organized the Gray Memorial Botanical Chapter of the Agassiz Association, and since 1894 has been editor of the *Asa Gray Bulletin*, published by this Chapter. He contributed valuable articles to the Year Book of the Department of Agriculture, on Pure Seed Investigations, Oil Producing Seeds, The Superiority of Large and Heavy Seeds, Additional Notes on Seed Testing. During this time he published several bulletins, lectured before the Massachusetts Horticultural Society and presented a paper in the Botanical Section of the American Association for the Advancement of Science; he was an active member of the Biological Society of Washington and had nearly completed a volume for Prof. Bailey's Rural Science Series, entitled "Seeds and Seed Growing."

The friends and classmates of Mr. Hicks will remember his genial disposition and zealous enthusiasm both in and out of the classroom. Hard work was his delight. He was cut down in the prime of life with a bright future before him. His family in their great bereavement have the earnest sympathy of all their associates at the College. C. F. W.

The Quail a Friend of the Farmer.

Mr. Pettit furnished the major part of the program for the Natural History Society last Wednesday evening. His talk on "Some of the insects of the past season" was illustrated with lantern views, which included views not only of insects of the past season but also of insects that have been here for years. His talk was very interesting.

Another interesting feature of the meeting was an observation made by Prof. Wheeler on two quail crops sent here by a farmer who had killed the quail under the impression that they were eating his grain. Prof. Wheeler found no grain in either crop, but in one he found at least 4,500 seeds of a troublesome weed, the false nettle. Prof. Barrows said that the quail eats a large variety of weed seeds, and also grasshoppers, chinchbugs and other injurious insects. He once examined a quail's crop that was filled to its utmost capacity with nothing but span worms or measuring worms. His opinion is that the quail does no damage and a great deal of good.

Coming Bulletins.

Two dairy bulletins have been completed and are ready to be offered to the council as soon as the bulletins now under way are issued. One bulletin will report the history of the grade dairy herd for the past year, showing that it is possible to bring together hurriedly a herd of grade Shorthorn cows, 28 in number, that shall average over three hundred pounds of butter and 7,000 pounds of milk per year each. This result is brought about, of course, by skillful feeding and good care. What the herd will do a second year with the continuation of like conditions will be published a year hence. A second dairy bulletin to be published

in December is written by Mr. True and gives the method of handling milk and making butter, in use at the College, with a discussion of handling milk in shallow pans and cold deep setting cans as practiced by farmers generally. The bulletin shows that a very large percentage of the butter is wasted by butter makers through carelessness in setting the milk and neglect of proper precautions.

Society Officers for the Winter Term.

COLUMBIAN.

President, C. F. Austin; vice-president, W. T. Parks; secretary, A. H. Hayes; treasurer, William Treadwell.

ECLECTIC.

President, E. D. Gagnier; vice-president, L. L. Appleyard, secretary, A. C. Williams; treasurer, D. B. Finch.

FERONIAN.

President, Allie M. Cimner; vice-president, Vesta Woodbury; secretary, Grace Lovely; treasurer, Mary S. Knaggs.

HESPERIAN.

President, F. N. Lowry; vice-president, H. J. Westcott; secretary, J. H. Skinner; treasurer, J. R. Thompson.

OLYMPIC.

President, W. K. Brainard; vice-president, H. G. Cowling; secretary, H. J. Eustace; treasurer, C. D. Beebe.

PHI DELTA THETA.

President, Eugene Price; secretary, Minor Haywood; treasurer, A. Trebilcock; warden, H. B. Clark.

THEMIAN.

President, Ruby Calkins; vice-president, Lula Pepple; secretary, Mrs. C. H. Harris; treasurer, Margaret Snell.

UNION LITERARY.

President, G. N. Gould; vice-president, E. W. Ranney; secretary, H. P. Baker; treasurer, W. B. Nevins.

Sewing Department Exhibit.

An interesting collection of work done by the young women in sewing was placed on exhibition in College Hall last Friday afternoon and Saturday by Mrs. Haner. The samples of needlework shown included work from each term of the sophomore year—varieties of stitches, patching, button-holes and hem-stitching, on samplers, and also complete dresses made by the juniors this term. Next term the juniors will have art needlework and in the spring term millinery. The exhibit also included samples of woodwork done by the young women and a fine collection of wood-carving and fancy needlework by Mrs. Haner. The work in this department is very popular with the young women and the exhibit was certainly a credit to them and to their instructor.

Poultry Show.

Mr. C. S. Brooks went to Belding yesterday with 22 coops of chickens, which will be exhibited at the Silk City Poultry Association

show this week. Our exhibit consists of 77 fine looking birds from ten breeds as follows: Buff and Partridge Cochins, Dark Brahmas, Barred and White Plymouth Rocks, Golden and White Wyandottes, Cornish Indian Games, Silver-gray Dorkings, Rose-combed Brown Leghorns. Mr. Brooks will also make an exhibit for the College at the State Poultry Association show in Detroit next month.

Annual Meeting of Co-operative Book-Buying Association.

The annual meeting of the M. A. C. Co-operative Book-buying Association for the election of officers and the reception of the manager's report was held Saturday. The following officers were elected: President, Prof. Warren Babcock; vice president, E. D. Gagnier; secretary, C. H. Hilton; board of directors, faculty member, Prof. W. O. Hedrick; sub-faculty member, Instructor F. V. Warren; student members, W. H. Flynn '99, W. T. Parks '00, W. J. Bailey '01, and G. D. Francisco '02.

The second year of the association has been a very successful one, far exceeding the most hopeful anticipations. A detailed report of this year's transactions cannot be given until after the end of the term, but it is certain that the sales for the fall term will be nearly \$1,900 and that the total sales for the second year will be nearly a thousand dollars greater than for the first year. When it is taken into consideration that on each dollar handled by the association there is a substantial saving for the members, the wisdom of thus handling our own school supplies will be apparent.

What We Pay for Board.

The price of board in the various clubs, as determined by the auditing committee, is as follows:

Club A	\$2.44
Club B	2.30
Club C	1.65
Club D	2.10
Club E	2.72
Club F	2.10
Club X	1.50

Average per week 2.12

The stewards for the next term in the first five clubs are C. H. Chadsey, E. D. Gagnier, Miss Ellen Rushmore, S. F. Edwards, J. H. Skinner, W. K. Brainard.

The Bible Up to Date.

Little Paul Woodworth's mother was teaching him a verse for Sunday school. She repeated to him the verse from Genesis, "And God said, Let there be light: and there was light," until she thought the words were fully impressed on his mind; then she said "Now, Paul dear, you say it." Paul is a thorough-going little electrician—a "chip off the old block;" and his version was strictly up to date: "God said he wanted the lights, and he turned them on."

Don't forget the Special Winter Courses.

THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE
MICHIGAN AGRICULTURAL COLLEGE.

EDITED BY THE FACULTY,
ASSISTED BY THE STUDENTS.

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For various reasons THE M. A. C. RECORD is
occasionally sent to those who have not sub-
scribed 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.

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 evening 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.

COLUMBIAN LITERARY SOCIETY—
Meetings every Saturday evening at 7:00. Fourth
floor, Williams Hall. F. E. West, President.
George Severance, Secretary.

ECLECTIC SOCIETY—Meetings every Satur-
day evening at 7:00. Fourth Floor, Williams Hall.
J. Bulkeley, President. F. L. Radford, Secretary.

FERONIAN SOCIETY—Meetings every Fri-
day afternoon at 1:00. West Ward, Wells Hall.
S. Gertrude Lowe, President. E. Winifred Can-
nell, Secretary.

HESPERIAN SOCIETY—Meetings every Sat-
urday evening at 7:00. West Ward, Wells Hall.
W. D. Hurd, President. C. H. Smith, Secretary.

OLYMPIC SOCIETY—Meetings every Satur-
day evening at 7:00. Fourth Floor, Williams Hall.
F. R. Crane, President. W. R. Wright, Secretary.

PHI DELTA THETA FRATERNITY—
Meetings every Friday evening at 7:30. East Ward,
Wells Hall. H. B. Clark, President. A. B.
Krentel, Secretary.

THEMIAN SOCIETY—Meetings every Tues-
day afternoon at 4:00. Phi Delta Theta Rooms,
East Ward, Wells Hall. Irma Thompson, Presi-
dent. Coral Havens, Secretary.

UNION LITERARY SOCIETY—Meetings
every Saturday evening at 7:00. U. L. S. Hall.
John Severance, President. G. E. Towar, Secre-
tary.

TAU BETA PI FRATERNITY—Meetings on
alternate Thursday evenings, Tower Room,
Mechanical 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.

Some Advantages of a College
Education.

S. L. INGERSON, COLUMBIAN LITER-
ARY SOCIETY.

What are the advantages of a col-
lege education? What benefits are to
be derived from pursuing a course of
study at one of our higher institu-
tions of learning? These are ques-
tions which occur to a great number
of young people, especially those of
the more intelligent and ambitious
class, who realize that life is some-
thing more than a mere existence or
an opportunity for enjoyment and
who are anxious to make their lives
count for as much as possible.

In this intensely practical age we
are apt to think first of the pecuni-
ary advantages of any proposition
and to refer everything to a stand-
ard of dollars and cents. Even
when viewed from this standpoint a

college education has much to com-
mend it. How often we see men
and women of good ability occupy-
ing obscure positions and living on
small salaries, who might rise to
places of trust and honor if they pos-
sessed the necessary education! They
remain where they are, not because
they lack the intelligence necessary
in a higher position, but because
they lack the training.

As we look around us we see a
great many people occupying places
which they do not fill. In the case
of some no amount of preparation
would have fitted them for the work
they have undertaken; but in a great
majority of cases a thorough
training would have put success in
the place of failure. We see a
great many who, though fairly suc-
cessful in their work, might rise far
higher in their chosen field of labor
if they possessed the necessary
education. How many a teacher is
never able to teach more than a
small district school, and that with
only fair success, because of a lack of
proper training! How many farm-
ers and mechanics might become
better farmers and better mechanics
if they only possessed the necessary
education!

But the possession of a knowledge
of certain subjects is not the only ben-
efit to be derived from a study of those
subjects. The value of the mental
training which comes from regular
study can hardly be over-estimated.
The student learns to think; and the
ability to think well is one of the most
valuable, as it is one of the most rare
accomplishments. A great deal of
what the student learns in college
he will forget, especially if he does
not have occasion to use it frequent-
ly. But the mental training which
he receives will be of service to him
throughout his whole life and in
whatever business he undertakes,
even though that business be quite
different from that for which his
education was intended to fit him.

Aside from its value as an aid in
earning a livelihood or as a means
of acquiring mental discipline, an
education is an infinite source of
satisfaction. It broadens the view,
it cultivates the perceptive faculties,
and makes life more worth the liv-
ing. It helps to raise man above
the level of the brute creation and
make him more nearly what his
Creator designed him to be.

There are many advantages which
the college student possesses and
many opportunities for improve-
ment open to him outside of the pre-
scribed course. Various societies
and associations found in connection
with our colleges offer opportunities
for literary work, for special study
along various lines, and for social
intercourse. These are features of
college life which some do not ap-
preciate, but which no student
should neglect.

The college is, in some respects,
almost a world of itself. Here the
student learns to rely on himself, to
adapt himself to various circum-
stances, to meet and overcome diffi-
culties, and to maintain his own
rights and respect the rights of
others. This cannot but be of great
value to him in after life.

Another advantage which the
college student has is that he comes
in touch with others who, like him-
self, are aiming at intellectual im-
provement. His teachers, too, are
persons who have given their time
to particular lines of study and are
specialists in those lines. This is an
advantage which he will be apt to
appreciate better after he has left

college than while he is a student.
These are some of the more im-
portant advantages of a college
course. And though the acquire-
ment of an education takes four of
the best years of life and may re-
quire a great deal of self-denial and
sacrifice, yet the prize is worth all
and more than it cost to obtain it.

Alaska to the Front in Farming.

DR. R. C. KEDZIE.

During my visit to Washington I
saw the wonderful exhibit of agricul-
tural products, raised in Alaska
last summer by Prof. C. C. George-
son, '78, and exhibited by him at
the meeting of Agricultural Col-
leges and Experiment Stations. To
say that the College men were
greatly interested in this agricultural
exhibit is to state the case very
mildly.

This vast region purchased from
Russia by Sec. Seward in 1867 was
supposed to be worthless except for
the fur trade—a waste of rock and
snow—and that for all other pur-
poses we might as well have tossed
the \$7,200,000 into the sea, leaving
out of account this friendly recog-
nition of the good offices of Russia
during the civil war. But this
frozen waste is rich in gold and of
great value in its agricultural capa-
bilities. We no longer hear "the
wolf's long howl from Donalaska's
shore," but the sounds of peaceful
industry. Sec. Wilson is enthusias-
tic over the prospect. "Why, Doc-
tor, we shall bring our seed oats
from Alaska in the future."

The following extract from the
New York Tribune of Nov. 25,
presents the case very clearly.

Last year Professor Charles C.
Georgeson was commissioned by
the Secretary of Agriculture to in-
vestigate the agricultural possibili-
ties of Alaska, and to make experi-
ments where practicable. Professor
Georgeson arrived at Sitka in the
middle of last May, taking with him
a variety of seeds for trial. He
found that no grain whatever had
been grown in the country, a few
vegetables, particularly white pota-
toes, being the extent of its agricul-
tural productions, and the people
depending mainly on getting sup-
plies from the States. Cattle he
found to a considerable extent, and
some dairying, native grasses being
used for feed. Professor George-
son secured the use of a number of
plots of ground around Sitka, com-
prising in all about two acres, and
on these he made his experiments,
planting Russian, Norwegian and
Minnesota barley and oats, flaxseed,
clover and numerous varieties of
vegetables. He was then obliged
to leave them while traveling
through the coast country, so that
they received indifferent attention.
The results of his "farms" are now
on exhibition at the Department of
Agriculture. The oats and barley
indicate an immense yield, being re-
markably plump and well filled.
"They would be," said Professor
Georgeson, "remarkably fine for
any country." Seedling red clover
grew to a height of thirty inches,
and was strong. Other grasses and
clovers did much better than in many
sections in the States.

Perhaps the most interesting speci-
men brought to Washington is a
bunch of flax grown by Professor
Georgeson. "I do not claim to be
a flax expert," said he, "but if this
is not exceptionally fine flax for fibre
I am very much mistaken. The
conditions on the Alaskan coast ap-

pear to be ideal; something similar
to those of Ireland, where the finest
linen flaxes are grown. These stems,
as you see, are remarkably strong:
try one, you cannot break it.

"I have surveyed land for three
experiment stations," continued Pro-
fessor Georgeson, "one at Sitka, one
at Kadiak Island and one of 320
acres at Cook's Inlet. I hope next
year to follow up the subject at
these places and carry on regular
experiment station work. The re-
sults, I am satisfied, will amply re-
pay the cost and labor. The possi-
bilities of Alaska are very consid-
erable. It is no such place as people
generally imagine. On Kadiak
Island, as well as places on the main-
land, there are considerable numbers
of cattle; they are small, native
stock, so-called, and they can be
greatly improved by the introduc-
tion of some blooded stock."

"How is the climate of the coast
of Alaska?"

"The climate of the entire western
coast of Alaska is very mild; its
winters are less rigorous than those
of Washington City, and its sum-
mers are cooler. Four degrees be-
low zero is the lowest recorded
temperature at Sitka, while in sum-
mer the mercury seldom rises above
80. This equability is due to the
influence of the Japan current,
which strikes across the Pacific from
Japan and influences the climate of
the entire Pacific coast of Alaska,
the Dominion of Canada and the
State of Washington. Sitka is about
latitude 55 degrees. By reference
to the map it will be seen that much
of the Alaskan peninsula and Kadiak
Island is south of this, all of which
is under the influence of the Japan
current."

"What region of Alaska presents
the best agricultural field?"

"The land lying south of Cook's
Inlet, I think. There is here a
tract of 150 miles or so of tablelands,
rising 100 or 200 feet above the sea.
On the north side of Cook's Inlet are
active volcanoes, 11,000 or 12,000
feet high. I observed, while pass-
ing, the smoke issuing from their
summits."

"What about the interior of the
country, Professor—the Klondike?"

"I made no trips into the interior
this time, confining my work to the
coast. As soon as you get back into
the interior, away from the influence
of the Japan Current, the climate is
a very different thing. Although
extremely cold in winter, however,
the summers are quite hot. I be-
lieve that winter wheat can be grown
well into the interior. There is
sufficient snowfall to protect it from
the exceedingly heavy freezing in
the winter, and there is sufficient
heat in the summer to mature it. I
have been told that volunteer wheat
which sprung up from scatterings
from pack feeding has grown and
matured full heads during the sum-
mer months. The interior is a sub-
ject for future investigation, and a
large subject, too. At present I
have demonstrated what can be done
on the coast. I grew oats on ordi-
nary ground which will weigh, I
believe, forty pounds to the bushel.
Naked, the kernels, as you see, look
almost like wheat."

Need of Educated Farm Managers.

Theo. A. Stanley, Hartford, Co.,
Conn., writes to *Hoard's Dairy-
man* as follows:

"I was pleased to read your arti-
cle on the opportunity ahead for the
brainy farmer's boy. It strikes

home to me, and, doubtless, to thousands of others similarly situated. I am trying to run a large dairy farm situated in the manufacturing center of Connecticut. I am close to a good market, but competition is very strong, and to make a financial success of farming one must use the very best of knowledge and judgment, and practice strict business economy.

"I have under my care and management three farms, carrying among other necessary animals, stock, etc., about 130 cows. I sell per day about 550 quarts whole milk at six cents per quart, ten quarts of 35 to 40 per cent. cream at 40 cents per quart, 100 quarts skim milk at two cents, a few quarts of butter milk, and perhaps twenty pounds of butter at 30 cents. The details of this business demand the services of men who have brains, as well as muscular strength, and in my ten years' work here, I have yet to see the man who really knows too much for his position. I have tried several times, and finally given up in despair, to get a young man as working farm foreman. I have not found one who even tried to fit himself for such a position; but all wanted to fill it, thinking there was fat pay and little work.

"I know of no position on the face of the earth where a greater amount of accurate knowledge, sound judgment, quick perceptive faculties, large experience and unflinching energy are required, than as foreman on a large dairy farm where true financial success, and not pleasure, is the object. And no man can attempt to fill such a position without keeping in touch with the most advanced thought of the day, by taking one or more dairy and farm papers. The most successful foremen, yes, the most competent employes on a farm are those who spend some time, during the day or evening, in reading these up-to-date papers, and studying up the subjects in which they are most interested. From the farm foreman, down through the whole line of employes, the teamster, the herdsman, the butter maker, the milk-cart driver, the man of all jobs, or farm hand, each has his particular line of work to do, and each and every line of work requires thought, knowledge, skill and sound judgment. The amount of these that a man can put into his work determines his fitness for the position and worth to his employer. For such service as this I believe a farm can pay as much as can be earned in most any other business, and it is just as essential for a farm to be equipped with men of these qualifications, as it is to have cows of dairy form, function and profitable production.

"I hope to see the day when our agricultural colleges and short course schools will turn out men thoroughly competent to make practical and profitable application of the knowledge gained at these institutions. Men who will not be contented till they have mastered their work, and made it profitable for their employer.

American University Club at Manila.

The college men in the American army in the Philippines have organized a social club and called it the University Club of Manila. Its membership includes men from Cambridge, Oxford, Edinburg, Cornell, Harvard, Yale, Columbia,

Princeton, Michigan and Pennsylvania. Only privates and non-commissioned officers are eligible to membership. The club was organized about two months ago and now has nearly 150 members.

At the College.

RECORD Board meeting tonight. School will close Friday at noon.

Miss Florence Bond is visiting her sister Mrs. B. O. Longyear.

Mrs. Paddock is moving into one of the new houses in Collegeville.

Mrs. W. O. Hedrick entertained at six o'clock tea Friday evening.

Mrs. Knaggs, who has been visiting her daughter at the College, returned home last Tuesday.

Prof. and Mrs. C. D. Smith are enjoying an extended visit from Mr. Smith's mother, Mrs. Smith.

Mrs. C. D. Smith received a short visit of a few days last week from her cousin, Mrs. Fred Sherwood, of Clinton.

Chapel exercises Sunday morning were led by Mrs. Ridges, who spoke on the central thought in a life.

Dr. Edwards will leave Friday morning for Thoroughfare, Virginia, where he will spend the vacation with his family.

Students who go home for the Holidays can secure special rates by getting a certificate of college memberships from President Snyder.

The King's Daughters will meet December 15, with Mrs. Weil. Lesson, Deuteronomy, 6th chapter. Text, "Trust." Leader, Mrs. E. L. Blunt.

E. C. Baker, foreman of the foundry, had the misfortune one day last week to get his hand against the buzz-saw in the wood-shop. Two fingers were badly cut, one being nearly severed from the hand, but it is not thought that he will lose either.

The program for the Tau Beta Pi last Thursday evening was furnished by C. A. Gower '98 m, who read a paper on Semi-steel. Two new members were initiated into the fraternity: R. M. Agnew, the third member from the mechanical senior class, and William Ball, the first member from the mechanical junior class.

The piano recital given in chapel last Friday evening by Mrs. Marshall and her class of young women, assisted by the M. A. C. chorus, was a great success. A large crowd enjoyed the program of fifteen numbers, several of which showed marked ability. Mrs. Marshall so captured the audience with her rendition of a Valse from Moszkowski that they insisted upon her responding to an encore.

C. L. Weed, Detroit representative of the American Aristotype Co., of Jamestown, N. Y., came to the College Friday afternoon, upon invitation from Prof. Woodworth, to give demonstration lectures to the sophomores on how to print and tone papers made by his company. He lectured before two sections, one from 1:30 to 3:30 p. m., the other from 3:30 to 6:00 p. m., each of which was attended by about 75 students, and his talks were highly appreciated.

The M. A. C. Special Hat

Is now on sale; much nicer hat than last season; better material and workmanship—the price remains the same, Fifty Cents.

If you want up-to-date neckwear I would have great pleasure in showing you the most complete line of natty ties in Lansing.

Sweaters, Golf Hose, Caps, Hats and Shirts are lines in which I lead.

Students' patronage respectfully solicited.

Elgin Mifflin,
The Outfitter.

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Clocks, Silverware, Art Goods.
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KID GLOVES

The Monteford

Our \$1.00 Ladies' Kid Glove we fit and guarantee, in black and new fall modes, 2 clasp; or for

The Zettie \$1.25 Glove.
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We have a large line of **Lined Mittens and Gloves**

—At 50c pair,
Gentlemen's Woolen Mittens.
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Our Underwear Department

Offers exceptional values in
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Offers 100 30x60 Moquette Rugs
For \$1.75 Each.

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REMOVAL SALE

After January 1st we will move to the store now vacant in the Hollister Block.

Meantime all BROKEN DOZENS of FINE SHOES will be closed out at DEEP CUT Prices.

Notice The Window for Bargains.

E. D. Woodbury,

103 Washington Ave. S.

News from Graduates and Students.

V. S. Hillyer '91 was elected first president of the recently established students' organization at the Mining School.

Scott J. Redfern '97 has gone into general mercantile business at Maple Rapids, in partnership with his brother.

Gerrit Mrasselink '95, professor of mathematics in the Ferris Institute at Big Rapids, has an interesting short article in *Success* for December 8. In the article he tells about an arithmetical prodigy at the Institute, Mr. C. E. Manigold, who certainly does wonders in rapid calculation.

Under the leadership of Commissioner R. S. Campbell '94 the teachers of St. Clair county held a rousing inspiration meeting on Friday and Saturday following Thanksgiving. Always progressive, Mr. Campbell is now pushing a plan for a circulating professional library for the teachers of his county.

W. E. Palmer '92 writes from Charing Cross hotel, London, that he is on his way to Buenos Ayres, under a contract to work for John and Joseph Drysdale & Co., the largest importing firm in Argentine Republic. He does not know how long he will remain in South America, but thinks it will be several months at least. His address will be 450 Calle Peru, Buenos Ayres, Argentine Republic.

A letter from Lacey under date of December 9, and bearing the firm name, "Quick & Rogers," says: "A rattling good time was had at the State Farmers' Institute yesterday under the conductorship of C. B. Charles. Though it was stormy the crowd 'got there just the same.' The dinner was immense; the program, both day and evening, was fine and enjoyed by all. At the end it was voted to form a local institute to be held annually. Among the old M. A. C. boys present were D. N. Stowell '92, A. R. Rogers and D. A. Quick with '97, and C. B. Charles '78."

M. A. C. Graduates at the State Teachers' Association.

On the program for the next meeting of the State Teachers' Association, to be held in Lansing December 26, 27, 28, 29, the names of our graduates appear quite prominently. In the round table discussion of county commissioners Monday afternoon Com'r. R. S. Campbell '94 will speak on "Office Assistant for County Commissioner," and Com'r. John F. Evert '82, of St. Joseph, will discuss a subject of vital interest to M. A. C. graduates, "Teacher's Certificates to Graduates of M. A. C." The same evening Supt. J. E. Hammond '86 will give an address in the Senate chamber.

Wednesday afternoon in the mathematical section Supt. W. V. Sage '84, Decatur, will discuss "The course in mathematics;" and in the high school section Prin. C. E. Holmes '93, Lansing, will read a paper on "The relations of the high school to the business world."

Thursday afternoon Prin. Chas. McKenny '81, of the Central Michigan Normal School, will read a paper on "History in the secondary school."

On some evening of the week a

reunion of the M. A. C. Association will be held, and it is expected that this will be made one of the most pleasant events of the week for our graduates.

Special Meeting of Record Editors.

There will be an important special meeting of both fall term and winter term RECORD editors in the English office, College Hall, Tuesday evening at 6:30. It is important that every society be represented at this meeting in order that the work for next term can be satisfactorily arranged.

How the Pennsylvania Scrubs Celebrated.

Two days before Thanksgiving the Pennsylvania football team had its last practice, and the scrubs, who have worked all fall without honor to put the 'varsities in shape for games with other college teams, were dismissed. They at once began to celebrate their freedom. No sooner had Coach Woodruff dismissed them than they made a rush for M. A. C.'s old time trainer, Mike Murphy, who has coached them all fall, and raising him on their shoulders, carried him three or four times around the field. Dr. White and Coach Woodruff were given a similar ride. The men then followed the old custom, of tearing off parts of their football clothes, throwing them in a pile, and touching a match to the mass. Some old barrels and boxes were piled on top, and around the bonfire the scrubs danced, singing and yelling. Then they all grasped hands and kneeling down kissed the ground.

Colleges and Exchanges.

It is said that last year the Carlisle Indians made \$10,000 out of football.

Columbia will erect a gateway costing \$5,000 in memory of the men who left their studies to engage in the war with Spain.

Pennsylvania university students and alumni are contributing to a fund to erect a gateway in honor of their men who fell in the late war.

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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Desiring to build should not purchase their material before consulting with

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*Lumber of all kinds.
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104 WASHINGTON AVENUE NORTH.

You can buy Sweaters, Supporters, Foot Ball Pants, Foot Ball Jackets, Gymnasium Suits, and the finest line of Tailor Made Clothing in the City.

Come in and see us any way.

Furniture Headquarters.

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.

DIRECTORY

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

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

DENTISTS.

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

DR. 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.

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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, Granite ware, Cutlery, etc. 111 Washington Ave. South.

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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. Fine Tailoring. 218 Washington Avenue N.

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

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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.

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