

The M. A. C. Record.

VOL. 4.

LANSING, MICHIGAN, TUESDAY, FEBRUARY 21, 1899.

No. 23



The Close of the Special Course.

The work of the special course in Dairying and Live Stock Husbandry came to an end on Friday, February tenth. The attendance was larger than had been expected, especially upon the Live Stock Course. The work in this course was directed toward fitting the student to select, breed, feed and manage, in a business way, a large flock of sheep or herds of cattle or swine. Last year but nine young men were registered for this special line of work, this year there were twenty-five.

As a matter of course the instruction given is, for the most part, purely technical. Although brought up on stock farms, few of the young men coming to this work, have studied closely the characteristic forms of the various breeds of domestic animals. The first benefit they derive is therefore the formation of the habit of critically examining animals offered for sale or shown at fairs. Their eyes are opened. Confidence in the correctness of their own judgment naturally soon follows. It is the unanimous opinion of the farmers' sons attending this course that they have had more experience in judging live stock, in comparing individuals with standards, on one side, and determining relative money values, on the other, during their all-too-short stay at the College, than they could hope to secure in many years of business life on their own farms. Here the experience has cost but a trifle; in actual practice it often costs a farm.

The young men went away commending as well other features of the course. It is not enough to know how to calculate rations to succeed in feeding efficiently and economically. The farmer must be acquainted with the details, care and daily routine of management of the particular kind of stock involved. These matters were discussed daily and the best experience of the best feeders in this and other countries was concentrated in the lessons given. It is not a matter of wonder, therefore, that these young men left us feeling abundantly repaid for the effort and money expended by them to make their six weeks' visit possible.

What is true of the live stock course is equally true of the dairy courses. While, for many years to come, much of the butter made in Michigan will be made on the farm, it is still true that the proportion of factory-made butter is increasing and must necessarily largely increase before Michigan can become widely famous as a dairy state. With this

fact in mind our dairy courses were planned. Four men chose the Home Dairy course and twenty-three the Creamery course. Many of the latter had worked in creameries, others began that line of business with us. The work of the course must necessarily be a mixture of manual training in the art of the industry and technical instruction in the chemistry of milk and its products, the theory and method of the Babcock Test, the physics of the separator and churn, and dairy bacteriology. A feature of these courses of unique value has been the veterinary instruction.

These courses are but six weeks long, and the time is fully occupied by the essential, technical work. It is to be regretted that there is no opportunity to introduce instruction on fundamental principles of general agriculture. Unless the courses are lengthened, this cannot be done. Nor could it be done without changing their character. They are now special courses, each devoted exclusively to those lines of work essential to a clear understanding of one department of farm practice and such they should remain. While the equipment of the College for giving practical instruction in butter and cheese making is grossly inadequate, it is pleasant to know that the young men taking these courses went away fully satisfied with their treatment here and well repaid for their coming.

Special mention should be made, in this connection, of the good work done by instructor DeWitt Goodrich of Climbing Hill, Iowa, who had immediate charge of the work at the separator and churn. Mr. Goodrich had charge of the butter making in the experimental dairy house at the World's Fair in Chicago and was subsequently instructor in Pennsylvania and Ohio.

Mention should also be made of the value to the classes of the lectures of Hon. J. I. Woodward of Lockport, New York, and C. P. Goodrich of Fort Atkinson, Wisconsin.

The special courses for 1899 have been an outstanding success and show definite progress in this extension of College work.

C. D. SMITH.

Washington's Birthday.

There will be no class work on Washington's Birthday. Short exercises, consisting of appropriate music and a patriotic address by Hon. E. P. Allen, will be held in the Armory at one o'clock sharp. It is hoped that all will attend.

The Tenth Annual Oratorical Contest.

The tenth annual contest of the M. A. C. Oratorical Association opened Friday night at a few minutes after eight o'clock with a selection by the band.

President Gagnier then, in a few well chosen remarks, stated the objects of the contest, which are to bring out the best oratorical talents of the several societies, in a friendly rivalry, and also to decide who shall represent our College at the State Intercollegiate contest. Mr. Gagnier also made mention of the admission of the Feronian Society into the Association this year, but owing to the illness of their orator, they were unable to be represented. The program in full was as follows:

Oration—"Evils of Imperialism," A. T. Swift, Union Literary Society.

Mr. Swift presented a forcible plea against the policy of Imperialism, treating the relations of our country to the other countries, our attitude in undertaking the Hispano-American war, and drawing some very touching pictures of the results and the moral effects of Imperialism. His protest against American repudiation of her avowed war policy was a very powerful and just argument.

"Universal Disarmament," J. A. Bulkeley, Eclectic Society.

Mr. Bulkeley pointed out in a clear and concise manner, the infeasibility of a policy of universal disarmament, proving by a strong *pro et con* argument that such a policy would only make war more sanguinary and more to be abhorred. He clearly proved the supremacy of scientific warfare and showed that disarmament would never produce universal peace, concluding with a strong plea for that time to come when wars should be no more. After a selection by the M. A. C. band, the third orator was introduced.

"A Municipal Problem," F. R. Crane, Olympic Society.

Mr. Crane presented a very convincing oration in favor of the policy of municipal control of natural monopolies, and by a few well chosen examples, proved the advantages such a policy would bring forth. His argument was a forceful one and well backed up by up-to-date examples. He closed with a plea for the time when municipal brotherhood shall be a reality and when man shall follow the two greatest commandments.

Hambletonian March, M. A. C. band.

Oration—"The Destiny of a Nation," C. H. Smith, Hesperian Society.

Mr. Smith made a presentation and a careful comparison of the careers of the leading nations, treating of the rise and fall of several of them and in particular of Rome and Spain. His allusion to the fact that the Maria Teresa lies near where the Santa Maria first landed was a good example of the hand of destiny controlling the affairs of nations. Mr. Smith closed with a fine exposition of America's status of to-

day and her probable future career. Oration, "The Need of the Hour," F. E. West, Columbian Literary Society.

Mr. West pointed out the evils surrounding and endangering the welfare of American citizens and the dangers which through our citizens threaten our welfare as a nation. His subject was presented in terse and pointed style and was of such a nature as to need little argument. In conclusion he presented a safeguard against these dangers and a method of eliminating them.

After the judges on delivery had retired and made up their report, Rev. Allen in a happy manner, announced to the audience that they "had awarded the first honors to the successful contestant" and announced the winners of first and second prizes, also giving honorable mention to the orator who stood third. Rev. Allen expressed the appreciation of the judges of the class of work they were requested to award the prizes upon and stated that the standard of excellency had been a lofty one.

Miss Teresa Bristol, of the Feronian Society, with a few words of commendation to each, presented the medals to the successful orators, a gold medal to Mr. F. R. Crane, a silver medal to Mr. C. H. Smith.

After the rendering of Sousa's "Stars and Stripes Forever" by the band, the company amused themselves by dancing until 11:30.

The grades of the competing orators are as follows: A. T. Swift 520, J. A. Bulkeley 502, F. R. Crane 557, C. H. Smith 546, and F. E. West 464, the highest possible standing being 600.

Judges on composition: Rev. Dan F. Bradley, Grand Rapids; Prof. A. B. Noble, Ames, Iowa; Hon. J. G. Ramsdell, Traverse City.

Judges on delivery: Rev. E. B. Allen, Lansing; Hon. S. L. Kilbourne, Lansing; Mrs. J. Edward Roe, Lansing.

ED. R. RUSSELL,
Sec'y. M. A. C. O. A.

It's Another Literary Society.

The projected debating society turned out to be a literary society much after the plan of literary societies already existing at the College. The organization, which was completed Saturday evening, February 11, will be known as the Adelpic Society; will meet Saturday evenings, in College Hall at present; and will have a limit of 40 members—20 the first year. Fourteen sophomores and freshmen make up the charter membership, and from these the following officers have been elected: President, O. L. Ayers; vice president, H. L. Bumgar; secretary, H. D. Fay; treasurer, R. Southwick; marshal, S. L. Jones. Here's success to the new society!

Again in College.

G. W. Bailey, who was so badly burned on the switch-board in the Physical Laboratory two weeks ago, is again in classes. His burns are rapidly healing, and it is not thought that they will leave any very unsightly scars.

THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE
MICHIGAN AGRICULTURAL COLLEGE.

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ASSISTED BY THE STUDENTS.

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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 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 8:30 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 Sat-
urday 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.
Raney, President. R. M. Norton, Secretary.

Industries of Northern Michigan.

H. S. KNEELAND '02, ECLECTIC SOCIETY.

When I was requested to present
to you an article on the Industries
of Northern Michigan, the question
immediately arose in my mind as to
what branch of industry would be
best suited to the occasion. Agri-
culture is practically the same in one
section as in another, therefore we
will discard that branch of the great
question before us and consider the
other and more varied one of manu-
facturing.

Michigan has always stood well
to the front in the value and variety
of her manufactured products. She
is a cherished and much loved sister
in the family of Uncle Sam. Sur-
rounded by a chain of the world's

greatest thoroughfares, and pene-
trated far and wide by railroads, she
is easy of access and her products
are readily distributed to the world.

Northern Michigan is, when com-
pared with many other sections, a
new country. Half a century
would cover its period of industrial
activity.

When the first white settlers pen-
etrated its unbroken wildernesses,
they found vast fortunes bound up
in its miles upon miles of stately pine
forests. This great source of
wealth was immediately recognized
and small hamlets began to rapidly
grow, each surrounding a mill
where the great pine logs were
sawed into shape for exportation.
Many millions of dollars have been
taken out of Michigan's pineries;
many a millionaire of this day can
trace his fortunes back to his
early years in the woods. Today,
as one travels north through the
state, he sees vast stretches of coun-
try, utterly worthless. Plains
covered as far as the eye can reach,
with scrub-oak, jack-pine and charred,
blackened stubs, silent witnesses
of the devastating hand of man;
mournful sentinels over a wilderness
now, but once a hive of industry, the
influence of which built cities and
made men prosperous and happy.
Many are the towns at the present
time, whose growth, prosperity and
subsequent decline, may be traced
directly to the pine lumbering trade.

Northern Michigan would now
be but a lonely struggling section of
country, eking out a bare subsistence
from the soil, had she not, phoenix-
like, risen from the ashes of this, her
blasted and ruined industry. Men
began to cast around for new modes
of bread-winning. New fields of
effort immediately presented them-
selves. Now instead of pine logs,
one sees hemlock and hardwood go-
ing through the mills. Thousands
of cords of hemlock bark are peeled
annually and shipped to the great
tanneries. The bare logs are sawed
into lumber which takes the place
pine occupied years ago. There
seems to be an unlimited supply of
hemlock, so this is likely to remain
one of the important pursuits.
Hardwood, though, is not so plenti-
ful. The day is not far distant
when a famine in this, as in pine,
will manifest itself. An interesting
sight in the fall and early winter in
nearly all of the northern lake ports,
is the sticks of hardwood square-
timber, which are hauled from the
cuttings to the nearest point of ex-
portation. These will average near-
ly sixty feet in length and are from
one to three feet square. They are
shipped direct to Quebec and thence
by ocean steamer to Liverpool and
London for use in the shipyards.

From the account I have given,
you will no doubt infer that the
lumbering industry is an important
factor in Northern Michigan's pro-
gress. This is not a wrong impres-
sion, but do not by any means ac-
cept this idea to the exclusion of
others equally important. Had
Northern Michigan but the lumber-
ing industry to sustain her she
would, before many years, be in the
predicament she was when the pine
failed.

I would now like to bring my
native town, Traverse City, into
notice for a moment. I consider it
a typical Northern Michigan manu-
facturing town. There are several
very important industries represented
there, but for lack of time I will
mention but three; the first of which
is the Oval Wood Dish Co. This

immense plant is devoted to the
manufacture of the wooden dishes
so familiar to you all, no doubt, in
the meat markets and grocery stores
as receptacles for lard, butter etc.
These are made from hardwood and
cut in shape from the solid blocks.
This factory is one of three such
plants in the world.

The next of relative importance
is the basket factory. Here are
made fruit baskets of all shapes and
sizes, besides berry boxes for the
small fruits. Another of these fac-
tories is in operation at St. Joseph,
Michigan.

The last one I will mention is
Traverse City's youngest industry,
and one of which she is justly proud.
Two years ago the Potato Imple-
ment Factory was but a fond dream
of its owner. Today it is an im-
mense concern producing all the
implements necessary to potato rais-
ing and fruit culture. Far behind
in their orders, they are almost daily
adding new machinery.

You have all doubtless heard of
Manistee's pet industry, salt evapo-
ration. This is her main stay. The
vacuum process is employed and the
out-put is immense. The quality is
first-class, comparing favorably with
that produced in other parts of our
own country and abroad.

The waters of the Northern lakes
and bays lend themselves to man's
effort for a livelihood, and many tons
of fish are annually exported to the
south central and eastern states. This
business alone is pursued by an
army of men who find it one of the
most lucrative of the various indus-
tries represented in the section of the
state under our notice.

It may be interesting to consider
the Northern Peninsula for a
moment, more especially for the
great mining industry carried on
there. The iron mines of the
Gogebic range are very rich in the
finest Bessemer ore, and the annual
production is over 3,000,000 tons.
Comparatively few comprehend the
scale on which all the work is car-
ried on at our great copper mines.
Few, even mining experts, are ready
to give credence to the statement of
the results which are obtained.
Calumet and Hecla mining stock is
far above par and much to be pre-
ferred to government bonds.

The product of the iron mines
is widely distributed throughout
the state for use in the various
iron works and machine shops.
The Elk Rapids Iron Works pro-
duces a great share of the pig iron
shipped from Northern Michigan.
Here also a great quantity of wood
alcohol is condensed and distilled from
the smoke arising from the charcoal
pits. As a by-product, crude acetic
acid is formed and shipped to the
refineries.

My article would not be complete
were I not to mention the flouring
and grist mills variously situated in
the northern portion of our state.
Cadillac stands at the head in this
industry, and her product finds a
ready market. This can by no
means be classed as one of Michi-
gan's leading industries, however,
nor can it be compared in magnitude
to milling as carried on in the other
North Central states. But for all
this it is worthy of favorable men-
tion.

This completes the list of North-
ern Michigan's industries, or more
correctly speaking, the list of her
principal ones. We have reason to
be proud of our state. She can hold
her head high among the world's
best. With her wonderful resources

and her abundant facilities for utiliz-
ing these gifts; with her great educa-
tional advantages and a people who
are true, patriotic citizens, she com-
mands the respect of the world at
large.

The Retiring Members of the Board

HON. C. W. GARFIELD.

As members of the State Board
of Agriculture, no two men ever
won the confidence and admiration
of members of the faculty in a more
eminent degree than did Mr. Gar-
field and Mr. Moore.

In the class of 12 graduating at M.
A. C. in 1870, was a rather delicate
young man, apparently less than
twenty-one years of age. He had
previously won a good name for
scholarship and kind deeds in Grand
Rapids High School, where he was
one of the chief founders of the
Kent Scientific Institute. Since
graduating, he has been a very busy
man in many kinds of good work to
the fullest capacity of his strength,
and sometimes even beyond his
strength. Much of this was non-
remunerative in a financial way.
He has lived most of the time on a
remnant of the home farm adjoining
Grand Rapids, devoting a por-
tion of his energy to gardening. In
1874, he became foreman of the
Horticultural Department and con-
tinued for three years, with the
writer, who was Professor of Botany
and Horticulture. He was enthusi-
astic and efficient, not only in his
horticulture, but among the students
in their rooms and societies and
everywhere.

For long years he has been very
active as an officer in the Kent
County Horticultural Society and
superintendent of Sabbath school.

In 1877 he was elected secretary
of the State Horticultural Society, a
position which he filled for eleven
years, making the meetings and the
report of value, second to none in
America. To accomplish this in a
new country, with little money to
help, was a severe task on time, skill,
and patience, yet he did not seem to
realize the success he had won in
this work. In the beginning, the
mountain seemed steep and rugged,
but when he stood on the pinnacle, it
didn't seem to be much of an
eminence after all.

He was secretary of the American
Pomological Society in 1887-88, a
director of the State Forestry Com-
mission 1888-92, a frequent contribu-
tor to agricultural and horticultural
journals, giving a course of lectures at
Cornell University, declining three
or more invitations to become Pro-
fessor of Horticulture in as many
different states. He is president of a
bank, and president of the company
which publishes the *Western Fruit
Grower*. He has been a member of
the House of Representatives for one
term and a member of the State
Board of Agriculture for two terms,
a period of twelve years.

In all of these positions, he has
been prompt and active with never
a taint of trickery.

In this brief memorandum, no
doubt, more works of merit have
been overlooked.

The College will miss him in its
counsels, but as long as life shall last
he will never cease to love his Alma
Mater and to render her any assist-
ance within his power. He is an
efficient Christian gentleman.

W. J. B.

HON. C. F. MOORE.

The Hon. Charles F. Moore is a

man who has large and varied industrial interests, and his opinions and advice,—resulting from a wide experience and sound business judgment,—have been highly esteemed by his associates and subordinate officers throughout his connection with the Michigan Agricultural College.

Mr. Moore's experience in the line of agricultural work, especially in the breeding of short-horn cattle, particularly fitted him to lend valuable aid to the College in the direction of the affairs of the course in agriculture; his experience as the promoter and president of a successful manufacturing concern rendered his services as a member of the committee on the mechanical department of great value; viewing, as he did, the work of this College in the light of broad practical experience, he was brought into touch with most of the many departments, and these departments have been greatly benefited in this connection.

During the past two years Mr. Moore earnestly sought to define with exactness the true function of the College in the educational work of this State, and devoted much time to the consideration of methods that might bring the College more closely and more effectively into touch with those to whom its services should be most properly devoted; in this connection he particularly endeavored, as a member of the committee on mechanical work, to thoroughly analyze the opportunities and needs of the mechanical course.

We take this occasion to publicly acknowledge our appreciation of the courteous and efficient supervision rendered this college by Chas. F. Moore during his term of office as a member of the State Board of Agriculture. C. L. W.

HON. IRA H. BUTTERFIELD.

For ten years Mr. Butterfield has been officially connected with the College; four years as a member of the Board of Agriculture and six years as secretary of the Board and of the College faculty. The duties of his office have been at all times onerous, sometimes extremely trying; and yet it was rare indeed that an impatient word escaped him. The high esteem in which he is held by his associates on the faculty is attested by the resolutions adopted at the last faculty meeting, February 6, 1899. They are as follows:

WHEREAS, the long term of our present secretary, Mr. I. H. Butterfield, ends on the 22d of the present month, and

WHEREAS, it is fitting and right that faithful service such as his should be duly acknowledged, therefore be it

Resolved, That the faculty of the Michigan Agricultural College does hereby tender to Mr. Butterfield its hearty thanks for his efficiency and his uniform patience and courtesy in the trying duties of his office, and in severing the relations heretofore existing, assures him of the high consideration and kindly wishes of the entire College community.

Approved by the committee.

F. S. KEDZIE,
W. J. BEAL,
H. EDWARDS.

Goes to Alaska.

It will be remembered that a few weeks ago the RECORD stated that Prof. C. C. Georgeson '78 would

return to Alaska in the spring to establish several experiment stations for the U. S. Department of Agriculture. Prof. Georgeson has selected one of our graduates, C. H. Robison '95, to take charge of the station to be established at Sitka. The position carries with it a salary of \$1,200 and transportation to Sitka. Mr. Robison, accompanied by his wife, will start for his new field of labor soon after the first of March. He will take with him from Oregon several ox teams to carry on farm operations.

At the College.

And now it's mud.

The State board meets this evening.

Mr. Chace Newman is receiving a visit from his mother.

Rev. C. L. Seasholes spoke in chapel Sunday morning.

The seniors are planning a banquet for the evening of March 10.

K. L. Butterfield has moved his office to the second floor of College Hall.

Prof. J. D. Towar has spent nearly eight weeks on institute work.

Faculty ladies have sewed 35 balls of carpet rags for the Pilgrim church carpet.

R. E. Southwick, of Elbridge, visited his son, Roger Southwick '01 last week.

The Union Literary Society will entertain the Class of '99 next Saturday evening.

Miss Brown, of Hart, was the guest of Miss Sadie Hatch '02 a few days last week.

Miss Bertha Wellman and her friend, Miss Bartlett of Mason, called at the College Saturday.

Miss Ronan and Miss Southard gave a most delightful spread to a number of friends last Friday night.

Lost: Two army-button hat pins, one American, one Spanish. Finder please leave them at the Secretary's office.

Prof. Woodworth's class in electrical engineering made tests of the Lansing City Electric railway line last week.

Pres. Snyder, Prof. Smith, Dr. Waterman, Miss Keller and Miss Rushmore were out on institute work last week.

Prof. P. B. Woodworth and family have taken rooms at Backus Cottage and will remain there the rest of this term.

Margaret, daughter of Prof. and Mrs. Noble, has been quite ill with tonsillitis and other complications, but is now better.

We think our College band is all right. The music they furnished at the oratorical contest was the best ever rendered here by a College band.

In the annual freshman declamatory contest held by the Union Literary Society last Saturday night, H. E. Young won first prize, a society pin.

The Olivet basket-ball team could not come here Saturday, so our team went to Olivet. The game was the first our boys had ever played and they were defeated by a score of 15 to 6.

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.

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.

GOTTLIEB REUTTER.

Washington Ave. South.

R. B. Shank & Co.,

Leading Grocers and Confectioners.

Simons Dry Goods Co.

SEMI-ANNUAL

January Remnant Sale.

Every Department in our store offers EXTRA VALUES in

REMNANTS,

ODD LOTS,

BROKEN LINES.

Remnants of...

DRESS GOODS,
SILKS, LACES,
EMBROIDERIES,
WHITE GOODS,
COTTONS, GINGHAMS,
CARPETS.

Matting at Half Price

100 LADIES' TAILOR MADE JACKET at these reductions:

\$8.00 and \$10.00 Jackets for \$5.00
\$12. " 13.50 Jackets for \$7.50
\$16. " 18. Jackets for \$10.00

Carpets, Rugs, and Curtains
at reduced prices this month.

Simons Dry Goods Co.
104 Washington Ave. S.

Alsdorf & Son...
THE DRUGGISTS.

Everything First Class,
Fresh and Up to Date.

Lawrence & VanBuren
PRINTING CO.,
Ottawa St. E. Lansing, Mich.

Rubber Heels; NEXT TO WINGS.

WHAT THEY DO:

Remove the jar in walking.
Prevent slipping on icy walks.
Outwear any heel made.
Save strength.
Ease the nerves.
Great relief in spinal and kidney troubles.
Simple, servicable, money savers.
Nor is this all: You will discover other redeeming features by wearing a pair two weeks.



C. D. Woodbury's
New Shoe Store,
Hollister Block.

News from Graduates and Students.

Ben H. Halstead with '97 is in the senior law class at Ann Arbor.

David C. McElroy with '97 is deputy collector of customs at Port Huron.

John Swift '68, of Harbor Springs, visited his son A. T. Swift '99, over Sunday and left Monday for Ann Arbor on business.

Dan F. Pagelsen with '97 has hung out his shingle in Grand Haven, and is Circuit Court Commissioner of Ottawa county.

We have received from W. E. Rohnert '89, of Gilroy, California, his 1899 list of sweet peas, asters and other specialties.

J. A. Flanagan, dairy student in '93, Orleans, Mich., was with Co. K. 1st U. S. Volunteer Engineers, in service in Puerto Rico.

F. W. Kathe with '93 is head clerk and book-keeper with W. A. Eckerman, hardware merchant, 1026 Lorain St. Cleveland, Ohio.

John E. Taylor '76, Greenville, attended the meeting of the Michigan Mutual Association in Lansing last week, and visited the College.

E. M. Hunt with '99 is now a member of the firm, M. H. Hunt & Son, dealers in bee-keepers' supplies and manufacturers of comb foundation, Bell Branch, Michigan.

W. P. Casper with '89 is general agent for the Consolidated Car-heating Co., of Albany, N. Y., with headquarters at St. Louis, Mo. He writes,—"I consider it the greatest misfortune of my life that I was unable to complete my course at the M. A. C."

The Round-up Institute.

The fourth annual round-up farmers' institute will be held in Pontiac this week, beginning with a conference of officers of county institute societies tomorrow morning and ending with a program of special interest Friday evening. The hotels of Pontiac give low rates and are prepared to entertain a large crowd. A fare on all railroads of one and one-third rate for the round trip has been secured. These considerations and the greater inducements offered by the program—discussions of live topics by well known specialists—should fill Pontiac's opera house every session of the round-up.

Wednesday's program will include articles and discussions on sugar beets, general farming, farm adornment and good roads. On Thursday the dairy, the orchard and forest, and educational interests will claim attention. Friday will be devoted to stock feeding, breeding and diseases, and farmers' defensive movements. In the evening a program of special interest will be given. The Orchard Lake Military Academy orchestra will give an opening concert; Dr. W. H. Jordan, director of New York agricultural and experiment station, will speak on "The influence of the science movement upon farm life;" and President J. B. Angell, of the University of Michigan, will talk about "Farming in the oriental countries."

The Women's Section, in charge of Mrs. Mary A. Mayo, will hold sessions each afternoon in the Lyceum, at which vital problems

concerning the home and social life of women will be discussed.

The list of speakers on the program includes the names of our most successful institute workers—men and women who have made life a success and who will tell how they have succeeded. Their ideas and the thoughts brought out in the discussions ought to be an inspiration and a help to all who attend the round-up.

Grand Picnic.

FARMERS OF HESPERUS TOWNSHIP AT "EVERGREEN PARK."

Saturday evening, Feb. 18, 1899, the members of the Hesperian Society transformed their society room into an "Evergreen Park," and themselves and lady friends into very farmery farmers, and celebrated in a grand picnic. An appropriate arrangement of evergreens, hammocks and refreshment stands; and the makeup of the picnickers and the general good time made the affair a complete success.

Dancing occupied the first of the evening, then the master of ceremonies, Hon. Wm. Dan Ebenazar Hurd, delivered an eloquent speech of welcome and was succeeded by the following:

"The advantages of Co-education at the Michigan Agricultural College," Mr. Samuel Leonard Christensen.

"The Momentous Question of the Hour," R. Meek Lickly, Candidate for County Supervisor.

Song, "Stay on the Farm," Male Quartette from Screechville.

"The Farm and the District School," Mr. Harry Jeremiah Westcott, District School Director.

"Home Life on the Farm," Squire James Hackley Skinner.

After this well prepared and well rendered program (?), the picnic proper was enjoyed. With the floor as the ground the picnic lunches were spread out and devoured as only farmers can devour. The remainder of the evening was passed in dancing.

The somewhat exaggerated costumes of some and the change of manner and appearance of everyone caused many sore and aching sides.

Professors and Mesdames Smith and Pettit acted as champerones for the most enjoyable affair of the season.

C. H. S.

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DAVIS CLOTHING STOCK

Will remove to our new store,

103 Washington Ave. South,

next to Lansing State Bank, about March 1st. We wish to close all of the old stock out so as to start with a new stock.

Do Not Miss Our Removal Sale.

The Davis Store.

FOR THE NEXT WEEK

All of our \$2.00
and \$3.00 Derby
Hats in south win-
dow.

Removal Price,

986

All of our Men's Caps 25c

All of our Boy's Caps 15c

All of our Child'n's Caps 10c

... AT ...

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.

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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.

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

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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.

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

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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.

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