

The M. A. C. Record.

Vol. 5.

LANSING, MICHIGAN, TUESDAY, JANUARY 30, 1900.

No. 20.

A Cantata to be given by the M. A. C. Chorus.

The M. A. C. Chorus are planning to give an historical cantata entitled "Columbus" the last of this term or first of next. The principal parts will be taken by Miss Newman and Miss Kinyon, Mr. Stevens, Mr. Burdick and Mr. Cumming, supported by a chorus of seventy voices. A small admission will be charged to defray the expense of books, etc.

It is hoped that the College people, both faculty and students, will stand by this organization which has been struggling for some time to get upon its feet and become self-supporting. If some of the faculty would join as honorary members, it would give an added impetus to the society both financially and otherwise. The object of the chorus is to afford opportunity for practice to students who desire it and to maintain an efficient college chorus.

The dues for one year are: Active members, 25 cents; Associate, \$2.00; Honorary, \$3.00.

A New Y. M. C. A. Building on the Way.

Some time ago the Y. M. C. A. cabinet and advisory committee met at the call of President Parker to consider the suggested scheme of having a new Y. M. C. A. building on the College campus. After very earnest, enthusiastic prayerful discussion, it was resolved unanimously that a committee of three be appointed to investigate the desirability, and more especially the possibility of the scheme with the president of the College. The committee met twice, and made a very hopeful report to the joint meeting of cabinet and advisory committee, when, without any opposition, it was resolved to present the matter to the Association. Hence a special meeting was called by the president last Thursday night, at which nearly all active members were present. The chairman of the building committee reported that owing to the fact that M. A. C. is growing larger and larger every year, and that the present accommodations of the Association are not sufficient to meet all the requirements and necessities of a more advanced, helpful work for the Christian welfare of the College, the existence of such a building will fill this demand, and will be beneficial not only to the Y. M. C. A. members themselves, but also to the reputation of the College, and above all, will be a Christian home, "where no student shall be a stranger." Again, such a scheme as this is not only advisable, but also positively practical, when every member of the Association believes in it, and pushes the work along.

The need of the building was not questioned, but the point was where to get \$10,000. The committee by a rough estimate, showed the sources from which \$5,900 could be procured without taking into consideration the liberal donations that generous, wealthy, Christian people would make. It was agreed that no debts should be incurred and that no canvass outside of the association

be made until all members are pledged. After a few earnest inspiring, Christian-like remarks the following resolutions were adopted unanimously:

1. That it is the sense of this association that a building fund be started.
2. That the members of the association be canvassed first, and if \$1,000 be pledged by them, the canvass be extended outside.
3. That the pledges be made payable in one year.
4. That these pledges be void unless \$10,000 has been pledged one year from the date the canvass begins.

A. G. B.

Shop Notes.

The carpenter shop has just put in place a new Clement combination miter saw and boring machine, with a small engine in the basement to furnish power for same.

The short course dairy men are receiving some valuable information in steam engineering through the mechanical department, with C. H. Spring of the senior class as instructor.

The heaviest heat of the year was taken off last Wednesday in the foundry.

E. D. Shannon, R. G. Monroe and J. M. Beem were three new short course men enrolled in the wood shop last week.

Mr. Bradford has nearly completed a new display board for the wood shop, on which will be a systematic arrangement of the work done in the shop, in connection with the drawings from which the student works. This will make it much easier to explain to strangers the work of this department. The board is so arranged as to be closed against the wall when not on exhibition.

J. C. G.

A Compliment to M. A. C.

Doctor James Wells Mills, president of the Ontario agricultural college at Guelph, paid our own institution a very high compliment last week, by making his second visit to M. A. C. for the purpose of getting suggestions for the management of the Guelph college.

It was just about twenty years ago that President Mills, who was then just entering upon his duties as president of the Ontario agricultural college, came to M. A. C. on a similar mission, with the result that our dormitory and boarding systems were introduced at Guelph. Since that time the Canadian farmers' college has outgrown its accommodations, and now that a large new museum and library building is to be erected and the dormitories and class rooms overhauled generally, President Mills comes again to see what Michigan has to offer.

He made a thorough investigation of not only our dormitory and boarding club system, but also, our co-operative book-buying association, our short courses, our laboratories, and class rooms, and the number of students to each teacher. This is the only institution that he visited and before going away he expressed himself as greatly pleased with what he found.

A Twice Told Tale.

The following "from life" is too good to be allowed to sink into oblivion. A few nights ago, one of the new instructors departed from his usual custom and told Prof. Smith a story which had hitherto escaped the keen ear of that man of *bon mots*. Next night Prof. Smith, Ferguson and Lyman were coming home together from the Botanical Club. The Prof. taking compassion on the forlorn condition of the man from Canada thought to cheer him up with a little tale, so he proceeded: "Say, my boy, I heard a good one last night," followed by the identical story his intent listener had told him less than twenty hours before. Prof. Smith is still wondering what caused all the roars of laughter from the two innocents when they reached the sacred precincts of Bachelors' Hall.

Beet Sugar.

The program of the Botanical Club last Tuesday evening was devoted to the sugar beet industry. Prof. C. D. Smith was the first speaker and he discussed his subject from an economic standpoint. Beets were first used as a sugar-producing crop in Europe during the Napoleonic wars when it was impossible to obtain sugar from the West Indies.

Napoleon himself offered a large bounty to any man who should discover a new method of making sugar, but the reward was never paid. "Is history going to repeat itself in Michigan?" the speaker inquired.

Beets and sugar cane are the two sources of sugar today. The output for 1899 was for cane sugar, 2,856,000 tons, for beet sugar 5,480,000 tons. Sugar cane is the most dangerous rival of the sugar beet, since it has so improved under cultivation that a large per cent. more of sugar can be produced than formerly by the same amount of work.

There are several factors to be considered before a farmer should raise sugar beets. First, the facilities for transportation to the factory, which is even under favorable circumstances, an expensive process. Second, the soil selected needs careful consideration. The experience of the past year has proved that sandy loams are not good in drouth. A clay loam is adapted to the beet crop in a dry year. Muck lands can be used if they have been used for a year or two for some other crop and do not contain too much nitrogen. The seeds selected are raised in Germany from beets showing a high percentage of sugar. It is necessary that the farmer should have good seed for his crop but a large part of the seed imported is of inferior quality. The industry in this country will not be on a firm basis until we raise our own seeds.

Just at present the sugar beet industry is at a critical stage of its existence in Michigan. Owing to a bad season the growers of beets are extremely dissatisfied with the manufacturers on account of the low prices paid for beets which had but a low percentage of sugar. On the other hand the capitalists are dissatisfied with the attitude of the State

on the bounty question as well as with the farmer who they think is making exorbitant demands. However, it has been proved again and again that sugar beets are a paying crop in a good season and even under unfavorable circumstances, many men have reaped a good profit.

Mr. F. E. West, who has been working in the chemical department at the Alma factory, gave a brief description of the manufacture of sugar and illustrated his talk by showing a number of samples of syrups and sugar taken from various stages of the process.

Prof. U. P. Hedrick will speak next Tuesday night on "New Types of Fruit," and J. B. Stewart will read a paper on the life of Dr. Douglass Houghton. G. M. B.

Plans of the Athletic Association.

At a meeting of the Athletic Association last Thursday, it was decided to hold an indoor athletic meet on the evening of February 9 and E. W. Ranney, Miss Bessie Kinyon and D. B. Finch were appointed committee to make necessary arrangements.

It was also decided to make an effort at once to raise funds for the purpose of employing a baseball coach to assist Prof. Bemies, who will be so busy with indoor work and track athletics that he will not be able to give all the time needed to baseball. The plan is to raise the necessary amount by voluntary subscriptions, and Messrs. R. W. Case, A. J. Decker, G. E. Tower, R. A. Whitney, H. G. Marshall, F. W. Dodge and M. A. Crosby were appointed as soliciting committee.

On the same day a by-law was adopted, which provides that the treasurer of the association shall receive compensation to the amount of one per cent. of the moneys for which he gives receipts, the same to be available after the treasurer's books are balanced.

Natural History Society.

The regular meeting of the Natural History Society was held last Wednesday evening. A talk by Mr. Ferguson composed most of the program. His sketches of life and scenery in the maritime provinces of northeastern Canada were centered around the New Brunswick region. Among the many interesting features that he described, the most prominent ones were,—The seventy-foot tide and "reversible" water falls of the Bay of Fundy region, the historic associations and the fruit industry of the Annapolis valley, the salt meadows of the New Brunswick sea-coast, and the extensive fishing industry.

Mr. Bullock exhibited some alcoholic specimens of the eggs of the milk snake (*Ophibolus triangulus*), which were found nearly completely incubated in the ground in mid summer. It was also observed that the caribou of Maine have migrated to the Hudson Bay region.

A committee of one was appointed to write a sketch of the society and its work for publication in the junior annual. A. J. C.

THE M. A. C. RECORD.

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scribed for the paper. Such persons need have
no hesitation about taking the paper from the
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Official Directory.

Y. M. C. A.—Regular meetings Sunday evenings
at 7:00 and Thursday evenings at 6:30. C. H.
Parker, President. D. S. Bullock, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on
the campus, Thursday evenings at 6:30, in Abbot
Hall. Sunday meetings with the Y. M. C. A.
Mable Brigham, 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. B. Barlows, Presi-
dent. W. K. Wonders, Secretary.

BOTANICAL CLUB—Meets Tuesday evenings
at 6:30 in the Botanical Laboratory. G. M. Brad-
ford, President. Emma Miller, Secretary.

ADELPHIC SOCIETY—Meetings every Satur-
day evening at 7:00, Class room A., College Hall.
Wm. Krieger, President. R. Southwick, Secre-
tary.

COLUMBIAN LITERARY SOCIETY—
Meetings every Saturday evening at 7:00. Fourth
floor, Williams Hall. Bronson Barlow, President.
Burt Wernuth, Secretary.

ECLECTIC SOCIETY—Meetings every Satur-
day evening at 7:00, Fourth Floor, Williams Hall.
D. B. Finch, President. T. G. Phillips, Secretary.

PERONIAN SOCIETY—Meetings every Thurs-
day afternoon at 4:00, West Ward, Wells Hall.
Allie Cimmer, President. Mabel Brigham, Secre-
tary.

HESPERIAN SOCIETY—Meetings every Sat-
urday evening at 7:00, West Ward, Wells Hall.
L. S. Christensen, President. H. G. Driskel,
Secretary.

OLYMPIC SOCIETY—Meetings every Satur-
day evening at 7:00, Fourth Floor, Williams Hall.
T. J. Leavitt, President. D. C. Pierson, Secretary.

PHI DELTA THETA FRATERNITY—
Meetings every Friday evening at 7:30, East Ward,
Wells Hall. H. L. Kimball, President. R. L.
Himebaugh, Secretary.

THEMIAN SOCIETY—Meetings every Fri-
day afternoon from 5 to 6 Phi Delta Theta Rooms.
East Ward, Wells Hall. Maud Parmelee, Presi-
dent. Marguerite Nolan, Secretary.

UNION LITERARY SOCIETY—Meetings
every Saturday evening at 7:00, U. L. S. Hall.
E. W. Ranney, President. A. Kocher, Secretary.

TAU BETA PI FRATERNITY—Meetings on
alternate Thursday evenings, Tower Room, Me-
chanical Laboratory. William Ball, President.
C. H. Bale, Secretary.

CLUB BOARDING ASSOCIATION—H. L.
Chamberlain, President. Geo. Severance, Secre-
tary.

M. A. C. ATHLETIC ASSOCIATION—W. T.
Parks, President. H. P. Weydemeyer, Secretary.

FARMERS' CLUB—Meets alternate Wednes-
day evenings at 6:30 in the Agricultural Labora-
tory. J. H. Skinner, President. G. M. Odum,
Cor. Secretary.

M. A. C. CHORUS meets in the Chapel every
Monday evening at 6:30. C. H. Parker, President.
Gertrude Van Loo, Secretary. Mrs. C. E. Mar-
shall, Director.

The Physical Basis of Mental Ef- ficiency.

FROM AN ADDRESS GIVEN BEFORE THE
AMERICAN ASSOCIATION FOR THE AD-
VANCEMENT OF PHYSICAL EDUCA-
TION BY PROF. C. O. BEMIS.

According to the law of average,
pupils who are above the average in
their school work are also above the
average in height, weight and chest
measure; those who are simply av-
erage in their studies are average in
height weight and chest measure;
and those below in mental attain-
ment are also below physically . . .
A good body, a good brain; a poor
body, a poor brain.

About 50 per cent. of school
children are defective in some de-
gree as to sight, and about 25 per
cent. are defective in hearing . . . To

establish the ratio between the de-
fectives and their mental output, in-
vestigations were conducted under
the writer's direction in the city
of McKeesport, Pa., in the winter
of 1896-97 and are now for the first
time made public.

The teachers were first instructed
to arbitrarily select their decidedly
dull pupils only, and test their eye-
sight. Five hundred and ten of
such were examined with the start-
ling result that 97 $\frac{1}{2}$ per cent. were
found suffering from defective vision,
a fact unknown previously by the
teachers. This opened their own
eyes and interested them, and later
on, more complete examinations
were conducted, embracing the total
number of pupils. About 4,000
pupils were examined, measured
and weighed. The result of this
investigation established the law of
proportion, which before was sup-
posed to exist, and also corroborated
the per cent. of those found defect-
ive in other cities, namely: about 50
per cent. in sight and about 25 per
cent. in hearing.

The following was found to be
the general law for this class of de-
fectives: *The mental efficiency of
pupils is in inverse proportion to
the degree of defectiveness in either
sight or hearing or both.* The
bright children are quick of eye and
ear. The bright children who are
undersized generally have no defects
of vision or hearing, and form the
exceptions in this class.

The reason for dulness in children
is easy to trace. A child has one or
more of the many diseases of child-
hood, or catches cold often and has a
chronic case of "sniffles" or catarrh;
he receives only passing attention at
home; he attends school soon after
recovery from any sickness; his
system is weak, his eyes especially;
he is required to do the full amount
of school work; his eyes become
weakened and defective in some de-
gree without his knowing it; his
teacher and parents are not aware of
it either; he begins to see with a
little difficulty and slowness, conse-
quently he forms new ideas slowly;
his mind gets into the confirmed
habit of grasping his studies slowly;
and thus a dull child is naturally
and easily devolved.

It has been stated by competent
medical authorities that good hear-
ing cannot be retained if the mem-
branes of the nose or throat are in-
flamed. A temporary cold dulls
one's hearing. Many of our school
children have chronic colds, or the
diseases of childhood often leave
some defect of hearing unnoticed by
anyone. The child with defective
hearing passes through the same
devolution as the one with defective
sight: he hears slowly, the new
ideas impress themselves only grad-
ually on his mind, and a dull child
is again produced.

The awful tragedy of the dull
pupil is this: He is born into the
world healthy, strong and bright.
As a babe he hears and notices
everything; his hearing and sight
are keen. Then through careless
treatment of common diseases and
colds, his hearing or sight becomes
affected; his mind becomes slow.
His parents, not understanding his
difficulty, answer him often in a
sharp or cross manner, and rebuke
him severely when he fails to under-
stand what they say to him and
asks them to repeat it. His teachers
also generally treat him in much the
same way, attributing his slowness
to inattention, dulness, or perversity.
He is rebuked as a dull child before
the other scholars; is the object of

laughter or pity by them; he suffers
in patience, thinks the whole world
is trying to crush him, and can't un-
derstand why; he loses his self-
respect and ambition; and finally,
under the ignorant conspiracy of
parent and teacher, the child actu-
ally becomes dull—becomes inatten-
tive and bad because always told
that he is so.

Thus a broken-spirited, ambitious-
less, careless youth is thrust upon
an unpitying world to plod his
heavy way in partial obscurity of
mind, purpose, and achievement—
doomed to a saddened, soddened ex-
istence, instead of the bright, cheer-
ful, useful child he might have
been, if his parents and teachers had
only known.

The dull pupil is the problem of
educators. A bright child will
make rapid progress with any good
system or method of education in-
telligently applied; but by what
method can the dull child make
good progress if parent, teacher,
and pupil are unaware of the defect
which causes the dulness? Method
after method has been tried, but
still the slow-minded pupil is with
us. . . .

It has been proved that there is a
physical basis for dulness. The ab-
solute necessity, then, for a success-
ful system of education is the em-
ployment for whole time of one or
more skilled physicians to diagnose
and treat the mentally backward
pupils for physical defects. When-
ever these defects are known and
remedied the child becomes morally
bright again. . . .

When a child has been prevented
from attaining his full growth he is
generally defective and slow-mind-
ed; but when a child is naturally
small by heredity, the exceptions to
dulness occur. As it happens, how-
ever, most of the undersized pupils
have been stunted in their develop-
ment. Defects of vision increase
from grade to grade and with school
requirements.

A study of the effect of nationality
and hereditary diseases on the phys-
ical and mental efficiency of the
pupils was also pursued, and most
interesting results obtained.

It was found that those having
hereditary diseases in the parentage,
either with or without the grand-
parents, were as a class smaller than
the average, and also lower in their
mental efficiency. Those with a
tendency toward hereditary con-
sumption were slightly above this
class, both physically and mentally,
but still below the general average.
The cumulative facts, therefore,
show that the class of pupils who
are below the average in physical
and mental efficiency, also embraces
those defective in sight and hearing,
together with those who have
tendencies to hereditary diseases.

What a multitude of evils to be
crowded in upon one unfortunate
class of pupils! Everything seem-
ingly conspires to keep them down,
the bond of conspiracy being ignor-
ance. . . .

In regard to nationality, those born
in this country were larger and
heavier than the pupils from any
other country, England included;
thus corroborating other investiga-
tions on this point. Another fact of
great interest was that those pupils
with mixed nationality in their pa-
rentage were both slightly taller
and heavier, and also slightly above
the general average in mental effi-
ciency. We find, then, that at any
point we choose to investigate,
physical and mental efficiency go
hand in hand in direct proportion.

If all these facts do not contribute
to recognized and basal principles
of pedagogy, then the New Educa-
tion will continue to flounder around
in an attempt to justify its name,
and fail to grasp its opportunity and
the vital point. The New Educa-
tion must be physico-psychological
and based on universal facts of body
and mind; and the following are
some of the vital principles upon
which its pedagogy must be based:

1. There is a physical cause for
dulness.
2. Where these physical defects
are remedied the pupil becomes
mentally efficient again.
3. Every child is easily capable of
being above the present average
unless prevented by physical defects.
4. The regular services of one or
more competent physicians, who are
in sympathy with children and who
make a specialty of children's dis-
eases, must be employed to systemat-
ically examine and treat the mentally
backward pupils and those who are
considered a little slow. This in-
cludes about half of all the pupils.
5. Such a system calls for the
employment of specially intelligent
and sympathetic teachers at an ad-
vanced salary to instruct the partic-
ularly backward pupils, a number of
whom will be gathered together
from cognate grades into one room.
They will thus be under the partic-
ular care of a physician and a
special teacher, the latter of whom
would also act in a modified capacity
as a nurse for the defectives, under
the physician's orders.

It remains for the advocates of a
new education to gather and formu-
late all the facts of the child's phys-
ical and mental being, including the
laws of growth, and then in accord-
ance with these facts and in regular
order, evolve the physico-psycholog-
ical principles of pedagogy for the
future.

Dairy Farming.

About one hundred members of
the Farmers' Club met Saturday
evening for the purpose of hearing
Mr. Cal. Husselman talk on dairy
farming. Mr. Husselman is a suc-
cessful dairyman of Auburn, Ind.
As he himself says, "I was born on
a farm, and I live on the same farm
yet. I was born at an early period
of my existence, immediately went
into the milk business, and am in it
yet. I am a man farming. When
a man is farming he is on top of the
farm; with a farming man the farm
is on top of the man.

"There has never been a time in
the history of the country when the
time has been so ripe for young
men to engage in farming. Young
men of intelligence, young men of
energy, young men of business;
active, industrious young farmers,
are in demand.

"Dairying is a complicated, in-
tricate business, and to assure suc-
cess requires an all-around, well
developed man. When in the right
hands there is no branch of agricul-
ture that is so remunerative.

When I was a young man we had
no agricultural colleges or dairy
schools. We had to learn every-
thing in the slow and costly school
of experience. We knew nothing
of the dairy type of cow; as long as
an animal had two horns, a back-
bone and a tail it was a cow.
Neither did we understand balanced
rations; we were in the dark and
had to work our way out.

"A cow is not a machine, but she
is a delicate, sensitive organism,
easily injured and easily improved.

Every cow should be handled and fed according to her individuality. Speak as kindly to your calves as you do to your best girl. We always make our cows think that they have twins—their own calf and ourselves.

"You cannot follow the business in a haphazard manner; you must have a system, and part of that system must be the production of your own feed. As a side line to the dairy business, don't forget the humble pig. Clover, corn, cows and pigs will make any farmer rich."

Mr. Hussleman's instructive talk was spiced with a good deal of original humor.

Next meeting of Farmer's Club on Wednesday evening, Agricultural Laboratory. G. M. O.

Winter Term Party Dates.

Here are the party dates for this term, as approved by the entertainment committee of the faculty:

- First military hop, Feb. 2.
- First society parties, Feb. 10.
- Junior hop, Feb. 21.
- Second military hop, March 2.
- Second society parties, March 16.

At the College.

Basket-ball—Lansing 6, M. A. C. 3.

Seth E. Beers, Owosso, spent Sunday with R. L. Bigelow.

Prof. Weil addressed the news-boys in Lansing Sunday evening.

Mrs. Ella M. Kedzie will entertain at 6 o'clock dinner this evening.

Prof. L. H. Bailey of Cornell is booked for two days at the round-up.

F. E. West '99 returned from Alma last week to resume post-graduate work.

Fred Close, quarter-back on the Lansing football team last fall, is assisting Prof. Bemis with some of the athletes.

The members of the Union Literary Society entertained their young women friends at literary meeting Saturday evening.

The military hop was postponed one week because music could not be procured last Friday evening. Next Friday, then.

Mesdames W. O. Hedrick and U. P. Hedrick entertained about 30 people at six-handed euchre last Wednesday afternoon.

The Y. M. C. A. is expecting a visit from H. J. McCreary of Ann Arbor, the State secretary of the College associations, next Friday and Saturday.

The Theman Society girls have adopted and are wearing very neat and pretty society pins. They are of gold inlaid with black enamel, with a gold T in the center.

Prof. Weil attended a meeting of the Detroit Engineering Society Friday, and gave an address on the "Laying of Underground Pipes for Steam Heating."

Miss Keller went to Bay City Thursday evening. Friday afternoon she spoke at Auburn and Saturday afternoon at Midland, on the subject, "Value of Training," to women's sections of farmers' institutes.

William Shaw, a graduate of the Minnesota agricultural college and for five years taxidermist in that institution, enrolled at M. A. C. last

Friday for postgraduate work in ornithology and entomology. He is a son of Prof. Thomas Shaw, professor of animal husbandry in Minnesota.

The first scratches on the plans for the new dairy building were made last Friday by a committee consisting of Profs. Smith and Mumford, Mr. Ferguson and Supt. Lohman. Contrary to general supposition, the \$15,000 appropriation is for building alone; the equipment will be provided for from other funds.

Fashion.

Fashion is like the ancient goddess who ruled her worshippers with an undisputed sway. We women of this century must, so to speak, fall down and worship her or be miserable when we view others who have worshipped. An exceptional few who do not worship may be influential, but a certain deference to the prevailing fashion, even though it be not the most extreme, is necessary for self-respect and the desired respect of others. M. D.

Exchanges.

Some men have a gallon of words to every spoonful of thought.

Many of our College Exchanges lack backbone. They might run a spinal column.—*College Barometer.*

Ennui is to the soul what rust is to steel; it gnaws and destroys what would have resisted force.—*Ex.*

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ELGIN MIFFLIN.

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

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Leading Grocers and Confectioners.

Simons Dry Goods Co.

JANUARY

REMNANT REDUCTION SALE...

This month ALL REMNANTS and ODD LOTS of...

Dress Goods, Silks,

Cottons, Domestic,

Underwear, Hosiery,

Gloves, Carpets, Rugs,

and Cloaks, at

25 to 50 per cent Reduction

Simons Dry Goods Co.

THREE FLOORS | 1st—Dry Goods.
| 2d—Cloaks and Ready Made Garments.
| 3d—Carpets and Draperies.
ELEVATOR.



Royal Shoes

We have the exclusive sale of this celebrated line of men's shoes for Lansing. Made in all styles and colors, light, medium and heavy weight at the one uniform price of

\$3.50.

They are without doubt the best fixed price line of shoes made and have crowded out many of the Five Dollar shoes wherever introduced.

C. D. WOODBURY,

Hollister Block.

News from Graduates and Students.

It is reported that O. R. Cole with '97 is ill with fever in the Philippines.

Coral Havens with '00 is taking a six months' course at the Boston Cooking School.

President Snyder reports a good address at the Yale farmers' institute by Comr. R. S. Campbell '94.

S. E. Marsh with '00, who left College at the beginning of this term, is now attending the Ferris Institute at Big Rapids.

The prospectus for Prof. L. H. Bailey's new Cyclopaedia of Horticulture is out and the first volume of the work will be issued soon. It will be the best work of its kind ever published; will consist of four volumes and sell for \$20.

Dr. H. F. Palmer '93 called at the College on business last Tuesday. Since the middle of October Dr. Palmer has been located in Detroit as veterinarian for Parke, Davis & Co. He has charge of the department vacated by Dr. Grange when the latter went to New York, and likes the work much better than private practice.

W. W. Tracy '67 gave an address to the men's club of the Woodward Avenue Congregational church in Detroit on Sunday morning, Jan. 21. His subject was "The Place of the Study of Natural Science in Our Religious Training," and the line of thought followed out was that in order to study Nature satisfactorily, we must first get into as complete harmony with her as possible.

E. R. Russell '99m has accepted a position as draftsman with the Northern Engineering Works in Detroit. He leaves for that city today and will begin work the first of February. The Northern Engineering Works, which are located out Jefferson avenue at the foot of Chene street, design and manufacture cranes, machinery and equipment for steel plants, foundries, railroads and power stations.

Resolutions from the Feronian Society.

WHEREAS, God in His infinite wisdom has removed from our midst our sister, Mrs. Grace Fuller Burnette, and

WHEREAS, the deceased was an alumnus of the College and an honorary member of the Feronian Society, be it

Resolved, That the Society extend to her family its heartfelt sympathy, and that a copy of these resolutions be included in the society records.

HARRIETTE ROBSON,
MARY SMITH,
GERTRUDE LOWE,
Committee.

Tore Things in the Dairy.

A belt that caught on coupling bolts on a line shaft in the dairy rooms last Friday made things fly for a little while. The other end of the belt was attached to a large iron jack, which was torn from its foundation and whirled around the room until it had knocked over a large power separator and driven a hole through the ceiling. Both the jack and the separator were running at nearly full speed, the fly-wheel of the former making about 1,000 revolutions per minute and the bowl

of the latter about 6,500 revolutions, and it is the greatest wonder that one or more of the dozen students in the room was not seriously injured. The jack was wrecked, and other machines and the rooms were damaged to quite an extent.

Detroit Park Commission Here.

Saturday afternoon the Detroit Park and Boulevard Commission, consisting of P. H. A. Balsley, president; A. W. Blain, vice-president; M. P. Hurlbut, secretary; and Wm. Geist, accompanied by R. J. Coryell '84, general superintendent of parks, paid the campus a visit. Considerable money will be expended next season in planting native trees and shrubs on Belle Isle and other parks, and the commission is visiting various parks throughout the country to gain suggestions.

Battalion Attention.

Monday, February 12, the entire battalion will again report for drill. No cadet will receive credit for work done in the department unless completely uniformed. All cadets needing uniforms, or parts of uniforms, attend to the matter at once.

GEO. A. WATERMAN.

The sins of ignorance are most numerous, but the sins of knowledge are most dangerous.

Law is like Prussic acid—a dangerous remedy, and the smallest dose is generally sufficient.

Why Not ?

Don't you think it pays to buy your Drugs at Cut Rates? You save money and the increased volume of business pays us.

TRY IT.

ALSDORF & SON,

CUT RATE DRUGGISTS and PHOTOGRAPHIC SUPPLIES

CHAS. A. PIELLA,

DEALER IN

DIAMONDS. WATCHES. JEWELRY,

Clocks, Silverware, Art Goods.

121 Washington Ave. N., LANSING, MICH.

Employees of M. A. C.

Desiring to build should not purchase their material before consulting with

Hiram Rikerd,
Lansing, Mich.

Lumber of all kinds. Interior Finishing a specialty.

PRICES RIGHT.

Office and Factory, Mill St. Both Phones.

Davis Clothing Co.

103 Washington Ave. S.

COME ON BOYS—

We have all the latest up-to-date styles and patterns in

CLOTHING, FURNISHING GOODS AND HATS.

We also keep Sweaters, Supporters, Foot Ball Pants and Jackets.

We are glad to see the old men back and will be pleased to have the new men call. Make our store your headquarters while down town, it is a handy place to leave your packages. WE ARE ONE PRICE.

WE SELL FOR CASH ONLY.

DAVIS CLOTHING CO.

BICYCLE and ELECTRICAL SUPPLIES.

Also the largest Repair Shop in Lansing fully equipped with power machinery.

We pay all transportation on wheels to and from College when repairs amount to one dollar or more.

Capitol Electric Engineering Co.

321 Washington Ave. S.

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.

We make daily trips to the College.

BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTER.

Washington Ave. South.

DIRECTORY

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.

BARBERS.

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

BOOKS AND STATIONERY.

LANSING BOOK AND PAPER CO. Waterman and Sterling Fountain Pens, Stationery, Pictures, Frames, Wall Paper. 120 Wash. Ave. N.

CITY BOOK STORE. Fountain Pens, Drafting Tools, Stationery, Cards Engraved, Pictures and Picture Framing. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

BOOTS AND SHOES.

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

BICYCLES.

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.

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

D. E. PARMELEE—Dentist. 218 Washington Ave. south. Opposite Hudson House.

DEPARTMENT STORE.

DONSEREAUX'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c.

DRUGGISTS.

ALSDORF & SON—The Druggists. Two stores, 102 Washington Ave. N. 335 Washington Ave. S. See ad.

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.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Granite ware, Cutlery, etc. 111 Washington Ave. South. See ad.

INSURANCE.

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

JEWELERS.

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

LAUNDRIES.

THE VAN GORDER PALACE LAUNDRY. College agents, C. H. Hilton, 97 Wells; Irving Gingrich, 47 Williams. 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.

OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M. 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.

D. R. J. M. COLLIER.—123 Washington Ave. south. Office over Capital Drug Store. Residence 310 Seymour St.

RESTAURANTS.

GILBERT M. HASTY.—Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. Quiet place for ladies. 118 Wash. Ave. S.