and the third, that of love, Mr. But­

Annual Contest—M. A. C. Oratorical

regarded as embodying the idea of re­

tion and contrast—the seige of Troy,

the expedition of Xerxes, and the Ma­

ism.

by special effort to further the cause.

to the United States and Great Britain,

subject and yet handled it in a felici­

the Columbian, the Eclectic, the Hes­

Literary society, chose a recondite

Literary, have combined to form what

colonizaton, disfranchisement, etc.,

arraigned the south in unmeasured

the negro in the south and the duty

delivered a thoughtful and impressive

planned address on "International Ar­

the wearisome delay.

Sanderson, of the Hesperian society,

our oratorical association, was pres­

music was furnished by Bristol's or­

chestra and Avas of excellent quality,

next, even though there may have been

given after he had been

mitted suicide by shooting himself. He

personal success wore so on the mind of

committed the deed at the Boyd hotel

lege population was largely incon­

were half a dozen persons in the audi­

clearly light. It is doubtful if there

F. S. Haven, of the Union society, chose a

tself the supercilious subject and yet laden it in a fidi­

individual in Society" is so child's play, and the

The Thursday morning Detroit Trib­

The hop will be conducted on strict

the death of another alumnus, that of

Orr, assistant horti­

in the experiment stations at

The Thursday morning Detroit Tribu­

Rochester, N. Y., Dec. 2.

Overwork and anxiety for his per­

Of Prof. Ernest Lodenman, of the state

agricultural station at

The Military Hop.

The last social event of the term will be

a formal hop given by the bat­

ton of cadets in the army, Friday evening.

The committee on arrangements are

Capt. H. E. Van Norman, reception;

Capt. W. G. Amos, chairman; Capt­

L. Simmons, program; Capt­

H. W. Hart, floor; Adjutant T. A.

master E. Shaw, finance.

The hop will be conducted on strict

military principles, beginning at 8

o'clock sharp, and ending at 11.

All members of the battalion and

and students of M. A. C. are invited to

conduct all from the street car to the

have been made with Miss McDermott to

save the ladies' dressing-rooms at

Athletic at this institution has al­

proved itself a careful, conscientious

experiment and investigation he has

known himself a careful, conscientious

and horticultural periodicals. His

the horticultural art of France. His

His familiarity with French and Ger­

litical investigations of Germany, and

the horticultural art of France. His

knowledge of these languages, his aca­

perience at home, and his horticultural

researches among the orchards and
gardens of Europe, together with his

love for the profession, gave to his

work in the class room an increased

value—a value only those who were

present were able to estimate.

He was subject to occasional fits of

melancholia in a mild form, was a vic­

tual Bandholtz is business, and under

the ladies' dressing-rooms at

in a mild form, he was a vic­

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The Institutes.

Dr. Belk furnished us the following interesting notes from Gladwin.

Gladwin is a new county, the county seat containing 300 to 1,200 people. As a rule the people are not now going over with enthusiasm in regard to farming. Most of their time has been spent, with rare exceptions, in cutting and selling timber. It is extremely difficult to know just what you can do that shall please and benefit people of this class. The most hopeful sign, it seems to me, is to look out sharply for the kids and hogs coming on. There was at all one year a good proportion of these young persons.

From the high school, there was a delegation of two to four, who came with books and pencils to take notes for a report. As the attendance was small at first, I took especial pains to tell them some plain facts about corn smut and black rot of tomato, which were well illustrated by Longyear's mugs. I showed them our grasses, and in each case told them what notes to make. This part of the work at the same time seemed to interest the older people. After the school, superintendent told me most of the delegates were children of farmers, that one report that was twelve minutes long and all were good.

The Man in the Hotel Lobby.

He was past the spring of life and owned a small farm well improved. He was smoking a clay pipe and looked rather discouraged. "You can't make anything at farming these times with potatoes at fifteen cents, corn twenty, beans two, wheat fifty cents. Ninety per cent of the farms of Michigan are mortgaged heavily. A mortgage on any son to twenty-five, and I am sorry for it. I gave him this advice. The important point is that the department of agriculture must have known that there was a short supply of cattle, and the country and the nation was going higher. They get good salaries, but they do not seem to care anything about the interest of the farmers. Why didn't they tell the farmer what was going to rise?"

Before all of this had been said, Mr. Crowman, our speaker from Grass Lake, had his interest aroused. "The farmers have been grown by Secretary Lamphere and President Clark from the laboratories of the Agricultural College. The reports were received with and generally approved. In one instance we had to explain that the statement of a speaker was not completely correct, when we told the farmers that the state were heavily taxed to pay for a lot of scientific experiments. He had been but a few of them, but they did not contain what he wanted. Uncle Sam pays for all of these bulletins.

It is more than ever impressed with the importance of exhibiting on the walls a lot of grasses, clovers, other grasses and weeds; the properties of some common seeds, roots, moulds, etc. It would be interesting if we would contain good outlines of type specimens of the different grains, swine, horses, other of full size or slightly reduced. These things all come, that there may be no places to hold fish."

Some potatoes were exhibited that had been grown by Secretary Lamphere and President Clark from tubers of ten varieties, each furnished by the Agricultural College. The reports were received with and generally approved. In one instance we had to explain that the statement of a speaker was not completely correct, when we told the farmers that the state were heavily taxed to pay for a lot of scientific experiments. He had been but a few of them, but they did not contain what he wanted. Uncle Sam pays for all of these bulletins.

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They were exhibited at the fair for three days last week, is able to be out again.

The Atchison.

A. J. Weeks, '06, entertained Masses Richmond and Titus and Mr. Turin, of Mason, last Friday.

Dr. Edwards spent Thursday in Grand Rapids, and in the evening attended a banquet of the Peninsular club.

Mrs. W. J. Real returned Sunday evening, Nov. 20, from a six weeks' visit to her daughter, Mrs. R. S. Baker, in Chicago.

The King's Daughters will meet December 16, with Mrs. Harney, Beal, Lake, X; text, "Joy," leader, Mrs. Barrows.

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of surface of the ground, with streams

ports or inland towns, rivers and high-

kind of trespass and sent in to the

owned when the work was commenced

adjoining the railroads. The trespass

dominates the results are all that

by David Ward, and there is also but

one lot in T. 29 N. R. 6 W. belonging

make excellent shipping facilities.

The examination of the tracts in Al-

The College lands in Antrim county

The four townships which have Col-

The College has lands in two town-

The entire in quality of soil and tim-

the northern lot near the T. & A. R. R.

The lot on Sec. 12 and 13 is a

The timber on this has been cut around or near it. These

The 50 lots in T. 23 N. R. 12 W. have for the most part first-class soil and timber, and probably more value has been taken by trespassers than from any other township. The T. & A. R. R. crosses this town north and south, and the former is a section, the M. & H. Yuma, within its borders. The Man-

in 1896.

LOCATION OF THE LANDS.

In Manistee county the College

These lands are annually sitting, being generally fertile, well

The College lands in Benzie county are nicely situated, being near to the M. & K. R. R., and watered by the Platte and Betsy rivers or their tributaries, and by numerous

The lands in T. 31 N. R. 6 W. are of

Cheboygan county lies in T. 35 N. R. 1

The examination of the tracts in Al-

The lots in T. 23 N. R. 11 W. are but

The College has lands in three town-

The College lands in Benzie county are

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The College lands in Benzie county are

FURNISHING GOODS

We are offering more solid inducements, more genuine and unmatchable bargains than any house in the state.

The Mapes Clothing Co.

207 and 209 WASHINGTON AVE., SOUTH.

Our $5.00 Suit and Overcoat Sale

207 and 209 WASHINGTON AVE., SOUTH.

The M. A. C. RECORD,

THE MAPES CLOTHING CO.

207 and 209 WASHINGTON AVE., SOUTH.

The Cost

dh tough market; the entire offer-

DAMOND CRYSTAL SALT.

Our $5.00 Suit and Overcoat Sale

Our $5.00 Suit and Overcoat Sale

DECEMBER 8, 1896.

THE M. A. C. RECORD.

of the same soil and timber as the pre-

The largest body of College land in

The College has lands in three town-

The College has lands in three town-

The College has lands in two town-

Generally speaking, the lands and tim-

These lands are destined to become some of the best

Of the same kind as the last three has been looked over, enough to

The College has ever four thousand acres of good hardwood

The lands in Oscoda county and that mil-

The examination of the tracts in Al-

The College lands in two town-

The College lands in two town-

The College has lands in one township only, being in T. 32 N.

The western line being about three miles east of the village of Royalton;

The M. & W. R. R. lie adjacent to both the C. & W. M. R. and Inter-

The College lands in Benzie county are

TO the casual observer from the

The examination of the tracts in Al-

The College has lands in three town-

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The Review article on "College Lands" in this issue and next... Much of this land is now on the market.
A Danger and a Duty.

(First prize oration by E. Dwight Sanderson, '98, P. E., Class of '99.)

Thirty-one years ago ended the noblest war of history. In its battle half a million men laid down their lives to make it possible for the Southern Negro to sit, if he be so minded, in the Hall of Fame.

The freedman's condition seems a pitiful one. There are many who feel that no better remission of his misery can be secured.

The Negro's personal rights are disregarded. There are no laws to bar him from public privileges. He is, however, under the control of the Northern beneficence and by his own consent.

In the South, the Negro is unable to vote.

It is impossible. Equally futile is the proposed disfranchisement of a few. It is a political impossibility. The Negro asks only for freedom in his choice of rulers.

A free vote alone would be of little value in removing caste prejudices in elevating the race morally and industrially. In both the latter respects the modern Negro is inferior to the slave. He is, in fact, a spoiled child who has not learned self-reliance.

The Negro needs legislation to the Negro; and what is needed legislation to the Negro, and on all fear of his supremacy.

The claim that the Negro is unfit for suffrage is untenable.

His education is discouraged. In the Black Belt, where half the population of the country is to be found, that is the case.

In the South, the negro elected by the negro is heard imploring the White man.

The education the South has has left little or no value in the industrial world, his individual rights will be respected.

The black man, whose rights are protected by law, who holds mortgages on a dozen white men's houses will have no trouble in buying a house or will the black who pays $10,000 a year in freight charges have difficulty in securing a seat in a railroad car.

The Negro is the key to the political equality of the negro; and all fear of his supremacy.

The negro race is the key to the political equality of the negro; and all fear of his supremacy.

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The negro race is the key to the polit
and thus all error in reasoning is pre­
mended. The origin of the term mathe­
matics is conclusive evidence that no
other branch of study affords such
minded discipline. In olden times mathe­

matics was conclusively that no
mind was disciplined. In olden times mathe­
calculus were called mathematical or
branches, and persons who
became especially proficient along
these lines were called disciples. Yes
today. The instructor feels the utter
in the few brief months at their dis­
tual gymnastics.
the study has been used simply as a
Let us suppose a student who despises,
as a means of acquiring knowledge.
as many of them do, these cold and
physics and mathematics.
He begins with astronomy, but he finds
and knows the reason of things, but he
finds that each plant is made of count­
and dodecagons arise before him in
One day he discovers a minute particle
which will better suit his taste. He
finds a chain of unbroken reasoning,
aries that a knowledge of its laws will
izes that a knowledge of its laws will
be a crystal and that crystal as­
to its effects, from carpentry to domes­
tic economy, from geological formation
and mathematics again stares him in
he pursues the subject further he real­
finds the isobaric and isothermal lines
further the drafting of weather maps
actor’s economy, from geological formation
their results, from carpentry to domes­
tic economy, from geological formation
or less intimately con­
ected and dependent upon mathe­
ematics. Now let us take another student, with whom mathematics is neither
depressed or neglected. He sees in it
the means of past success to others.
he sees in it this search for knowledge, he next
affrighted, but not discouraged, in
but there are
Mistake
Be sure you’re started right (for
Mistake
If you make a
Mistake
If you never made a
Mistake
la Tesla.

who lectured on experiments of Niko­

Smith, of the Mechanical Department,

ing of the year. The program for the

on Mr. F. V. Warren, who ranked high­

held on Thursday evening, December

est among the class of '98 at the open­

summit was beyond description.

mott's picture), and a list of the names

Ocean, the M. A. C. RECOED (I believe

also built a large mound as a land­

my party, who had been a college stu­

M. A. C. yell and joined with one of

speaks of giving the College yell 11,000

range, and from the top of one peak,

story is out of luck, for in our work one

September 29 I see that Mr. Reynolds

between 10,800 and 11,100 feet. The

tation. We are camped about on the

Camp-in-the-Mountains.

The following is an extract from a letter written by O. L. Holstien, '96, in camp near Cerna, Wyoming, where he has been surveying for the state during the past season:

I have had a busy summer, and, after

finishing work, rode horseback to Sar­

toga and back here for a little recrea­

tion. We camped about on the forty-third parallel and one mile east of Fremont's Lake and about 9,000 feet above the sea. This altitude is freezing point and freezes around at night and thaws during the day. We have had several forays, and on three sides the mountain rises abruptly for more than a thousand feet and then slopes gradu­

ually upward to the foot of the peaks.

some eight miles northeast and close to the timber line, where we camped for several days. On three sides the mountain rises abruptly for more than a thousand feet and then slopes gradu­

ually upward to the foot of the peaks.

Hesperian Society—Meets every Sat­

urday evening in the society rooms in the west ward of Wells Hall, at 7:00. E. A. Robinson, President. H. W. Hart, Secretary.

Botanical Club—Meets first and third

Friday of each month in the chapel at 7:00. H. C. Sheela, President. W. R. Keddie, Secre­

tary.

Columbian Literary Society—Regular

meeting every Saturday evening in their rooms in the middle ward of Wells Hall, at 7:00. E. C. Mott, President. H. W. Keddie, Secretary.

Biological Society—Meets on fourth

floor of Williams Hall every Saturday at 7:00 p. m. C. D. Butlerfield, President. F. B. Smith, Secretary.

Feronian Society—Meets every Fri­

day afternoon at 1:00 in Hesperian

Hall. Miss Marie Belliss, President. H. W. Wykes, Secretary.

Hesperian Society—Meetings held

every Saturday evening in the society rooms in the west ward of Wells Hall

at 7:00. J. D. McLaugh, President. R. H. Osborn, Secretary.

Olympic Society—Meets on fourth

floor of Williams Hall every Saturday

evening at 7:00. H. W. Hart, Presi­
dent. C. J. Perry, Secretary.

Phi Delta Theta Fraternity—Meets

on Friday evening in chapter rooms in

Wells Hall, at 7:00. W. G. Amos, Presi­
dent, S. F. Edwards, Secretary.

Tau Beta Pi Fraternity—Meets every

two weeks on Thursday evening in the

tower room of Mechanical Laboratory, G. A. Parker, President, E. H. Self­

wick, Secretary.

Club Boarding Association—L. L. Simmons, President, H. A. Dibble, Secretary.

Try and Trust Circle of King's Daugh­
ters—Meets every alternate Wednesday, Mrs. C. L. Well, Presi­
dent. Mrs. J. L. Snyder, Secretary.

FOR ANYTHING IN

HARDWARE, STOVES,

TINWARE,

GRANITE WARE,

CUTLERY, ETC.

TRY

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OCTOBER 4, 1892

DECEMBER 8, 1896

THE M. A. C. RECORD.

TEN BETA PI ASSOCIATION.

The first initiation of the year was

held on Thursday evening, December

3. The "Best" was conferred upon

Mr. L. L. Simmons, the remaining eli­
gible members of the class of '97 and

Mr. F. V. Warren, who ranked high­
est among the class of '98 at the open­
ing of the year. The program for the

evening was delivered by Mr. H. E. Smith, of the Mechanical Department, who lectured on experiments of Niko­

la Tesla.
ASH OF ORCHIDS ONCE MORE.

Dr. R. C. KIRK.

East Orange, N. J., Nov. 11, 1896.

Dear Doctor—By this mail I forward you for analysis four specimens of orchids; viz.:

1. Cattleya Trianca.
2. Cattleya Clarion.
3. Laelia Autumnalis.

These three have been under artificial culture, being just as they were in their native habitat so far as mineral constituents are concerned.

Then, as a means of comparing the quantity of mineral elements in the ash, I send some leaves of several varieties of epiphytal orchids, and which have been under artificial culture with fertilization, probably of cow dung water.

I am anxious of your correspondence of last summer relative to the presence of mineral elements in epiphytal orchids, and as to whether such elements are necessary for their growth. I have spoken to a number of expert orchid growers since in relation to the matter, and they think mineral elemental fertilization is harmful. One English grower had had good success soot from wood being richer in potash and phosphorus, the tripod of plant growth. The irreplaceable presence of potash and phosphoric acid in plants of every class, even when it is difficult to explain how such plants get their supply of these mineral elements, strengthens the conviction that they are absolutely essential to the life of plants.

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