

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 11.

LANSING, MICHIGAN, TUESDAY, MAR. 6, 1906.

No. 24

NOTICE.

Students will please remember the list of names posted in the library building and report all corrections at the president's office at once. Changes which are made on the list from this time on will not be recognized, unless the same is reported as suggested above. It is desired that this list, which will be published in the new catalog, be a correct one and we ask that you give the same your attention.

MILITARY HOP.

The officers of the battalion give the next military hop in the College armory on the evening of March 9th. Dancing will commence at half past seven, and as good music has been secured, all present should have a good time. The admission will be 75 cents for those appearing in uniform and \$1.25 for others.

HORT. CLUB.

On Feb. 28 the Hort. Club listened to a most interesting and instructive lecture on "Top Working of Trees," given by Mr. McCue. This was a talk that no one interested in horticulture could have afforded to miss as Mr. McCue took up the problems of top working from a practical point of view, such as the value of such an operation, when it could be done with profit and what kind of results to expect. The merits of the different stocks were also discussed, the bad and good points of each being fully brought out.

The club extends its thanks to Mr. McCue for a very instructive evening. Next Wednesday, March 7, Prof. Fletcher speaks to the club on "Horticultural New York."

Y. M. C. A.

Rev. Frank G. Ward of the Plymouth Congregational church, preached an interesting sermon in Chapel Sunday morning. Mr. Ward is fast winning his way into the heart of the M. A. C. students and Faculty.

Thursday evening O. K. White, E. P. Robinson and D. H. Ellis will tell of their experiences at the Nashville convention.

Officers have been elected for the coming year, beginning with the spring term.

O. K. White, Pres.; B. G. Campbell, Vice Pres.; I. E. Parsons, Rec. Sec.; J. A. Cavanagh, Cor. Sec.; E. P. Robinson, Treas.

Mr. Hurst spoke in the Thursday evening meeting, giving his farewell address to the men of the college. He spoke on "Friendship" as expressed by Christ in John 15:15, emphasizing the friendship that draws men together in a strife for formation of true character. At the close of Mr. Hurst's remarks Mr. J. E. Webber spoke to the men expressing himself as pleased that he had been called to the work at M. A. C. and calling on the men for their help in carrying forward the religious work of the college.

THE STATE ORATORICAL CONTEST.

Those who attended the State Oratorical Contest from M. A. C. came back feeling that they had enjoyed a very pleasant trip not entirely without exciting experiences. The delegation made a strong reputation for catching trains at critical times and borrowing all available money from trusting friends. The M. A. C. party was the second largest that attended the contest.

The Alma College gave a reception to the visitors Friday afternoon and many saw Wright Hall and were delighted with its beautiful and homelike interior.

The following is the program of the contest which was held in the Opera house at 8:00 p. m.

PART I.

Music "Good Bye," (Tosti) Miss Grace Messenger.

Address of Welcome, President Bruske, Alma College.

"John Hay as Diplomat," George O. Sutton, Alma College.

"The Hero of the Dark Continent," R. L. Coldren, Hillsdale College.

"The Great Peacemaker," Andrew J. Kolyn, Hope College.

Vocal solo.

"The College Man's Mission," Robert Gordon, Kalamazoo College.

"The Development of a National Conscience," Gertrude Peters, M. A. C.

PART II.

"Alfred the Great," Julius M. Moeller, Ypsilanti.

"Triumph of the Fraternal Spirit," St. Clare Parsons, Olivet College.

Piano solo, "Second Mazurka," Goddard, Miss May Sharp.

"The Apostle of Beauty," Clark Robinson, Adrian College.

"The Ingenuity of the American People," E. O. Gildart, Albion College.

Music, double quartette.

Judges decision. Awarding of medal.

The order in which the various colleges were placed by the judges was as follows: Kalamazoo, Olivet, Albion, Alma, M. A. C., Hope, Adrian, Hillsdale, Ypsilanti. Table will be published next issue.

The sophomore women have been testing various fuels in the physical laboratory. The tests have been made as far as possible with small commercial stoves. The following is a list of the prices assumed and their relative values as heat producers:

FUEL.	PRICE.	REL. VALUE.	PER CT. EFFIC'Y
Beech Wood	\$2.00 per cord	1.	25
Gasoline	.15 per gal.	4.3	38
Kerosene	.12 "	5.6	32
Wood Alcohol	1.00 "	45.	67
Grain	2.75 "	124.	37
Electricity	.10c per kilo watt hour	85.	rel. value; 65 per cent. efficiency.

The last column gives the per cent. of heat of the fuel which was actually obtained by the apparatus used.

DEBATING CLUB.

The Debating club met Thursday night and discussed the question "Resolved, That the Negro should be disfranchised?" J. A. Cavanagh and H. G. Stone upheld the affirmative. O. W. Stephenson and H. L. Kemster sustained the negative. The decision of the judges was given in favor of the negative.

The question for Thursday evening is "Resolved, That the Wisconsin system of controlling the State Institutions is preferable to the Michigan System?" This is next to the last question to be debated this term and it is hoped that a goodly number will be present.

THE JACKSON-SAMMIS CONCERT.

The concert on Friday evening last was undoubtedly the best number of the season, though we have had some good things before it. The rain did not interfere apparently with the attendance as a large and appreciative audience and the performers were all much enjoyed, each of them responding to encores.

Owing to recent severe illness Mr. Macfadyen did not appear as a soloist, though he performed the exacting task of accompanist with entire satisfaction. His sympathetic interpretations and delicacy of renderings, both for voice and violin, showed him a master pianist and made it all the more a matter of regret that we could not hear him in the Chopin and Liszt numbers announced on the program.

Mr. Clark's voice had a rich resonant quality and his enunciation is most praiseworthy. He pleased the audience greatly by the "Bedouin Love Song," which he gave in excellent style instead of the selection from Herodiade. Particular mention should be made of his rendition of Morgan's "Hindu Lament," a style of music not often heard, but full of subtle meaning.

Miss Sammis' splendid voice showed to excellent advantage in her first number, but she was specially enjoyed in the shorter songs which gave less opportunity for brilliant execution and more for expressive interpretation and clear soft tones.

Miss Jackson handles the violin with rare ability. Her technique seems to be well nigh perfect and her work in harmonics and on the G string quite marvelous to the amateur. The group of four numbers was notably satisfactory, being chosen and given with excellent effect. The third one of the group, the Berceuse by Arensky, was omitted for a Madrigal by Mr. Macfadyen, a composition which bespeaks much promise for the young artist composer. The Sarasate "Fantasie" was given with splendid feeling and showed the gifted musician to best advantage.

The program was greatly enriched by the two vocal duets which opened and closed the evening's program. Altogether the entertainment board is to be congratulated on the success of the year's course.

ALUMNI.

^{'71.}
The St. Louis (Mo.) Republic, of Feb. 19, presents a cut of the officers of the St. Louis Public School Patron's Alliance among whom is P. H. Felker, the retiring president, who has been at the head of the organization for seven years. A silver loving cup was presented to Mr. Felker recently, the occasion being the annual banquet of the organization.

^{'97}
A son, Randolph Blackmar Monroe, was born to Mr. and Mrs. George C. Monroe, on Feb. 27.

^{'97}
George N. Eastman has been spending a part of the winter at Ontario, Cal., on account of his health. He seems to have been benefited by the change of climate, but acting under the advice of his physician has entered a sanitarium at Monrovia for more intimate treatment of his case. He seems to be gaining by this last change. Prof. Holdsworth and wife are living in the house at Ontario formerly occupied by Mr. and Mrs. Eastman.

^{'00.}
Word has been received that a son has come to brighten the home of Mr. and Mrs. Harry Rupert. Mr. R., who is engaged in engineering work in Elgin, Ill., was with the class of 1900.

^{'01}
Harriet O'Connor has been called to her home in Lansing on account of the serious illness of her father. Miss O'Connor has been engaged in Boise City, Idaho as teacher of domestic science.

^{'02.}
George D. Francisco is now with the Municipal Engineering and Contracting Co. at Winthrop Harbor, Ill.

^{'03.}
Bliss Brown of the above class says: "I am doing some land surveying here (Franklin, Tex.) I find the work agreeable, the climate fine, plenty to eat, and have no cause to complain. This country is just now being developed, and promises well for the future. It is especially adapted to fruit and trucking (peaches being now in bloom). Anything will grow here, prices are good and labor cheap. The winters are very mild. There has been one or two frosts, but the ground has not been frozen. Violets and pansies are still in bloom, and occasionally a rose can be found. I visited the agricultural college at Bryan a few days ago. Found Mr. J. L. Thomas, '05, busily engaged putting up samples of butter for the students and faculty, and judging from the way the samples disappeared in the boarding club they were O. K. I also met Prof. E. C. Green, '97. He reported that he found the work very agreeable and wished to be remembered to his alma mater."

THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE
COLLEGE YEAR BY THE
MICHIGAN STATE AGRICULTURAL COLLEGE

B. A. FAUNCE, MANAGING EDITOR

ASSOCIATE EDITORS.

E. A. WILLSON, '07.

P. V. GOLDSMITH, '07.

R. H. GILBERT, '08.

I. E. PARSONS, '07.

R. A. TURNER, '08.

GRACE WARNER, '08.

CAROLINE LAWRENCE, '06.

Subscription, - - - 50 cents per year.
Remit by P. O. Money Order, Draft or Registered Letter. Do not send stamps.

Address all subscriptions and advertising matter to the College Secretary, Agricultural College, Mich. Address all contributions to the Managing Editor.

Business Office with Lawrence & Van Buren Printing Co., 122 Ottawa St. E., Lansing, Mich. Entered as second-class mail matter, Lansing, Mich.

This paper is occasionally sent to non subscribers. Such persons need have no hesitation about taking the paper from the post-office, for no charge will be made for it. The only way, however, to secure the paper regularly is to subscribe.

TUESDAY, MAR. 6, 1906.

IN speaking of the Round-up the Michigan Farmer says, "The attendance at every session was good and the programs were all of absorbing interest, but not the least important feature of the institute, so far as its influence upon Michigan agriculture is concerned, was the attendance of many students from the college at every session. No man, and particularly no young man, who intends to follow the occupation of farming, can attend one of these institutes without being greatly benefited thereby, and it is a matter for general congratulation that so many representative farmers from all parts of Michigan and so many prospective farmers from the College were in attendance at the Round up."

The Farmer then states that the amount of good coming to these young men by attendance at such meetings where practical subjects are discussed by practical men, can hardly be estimated.

That the college men share the same idea that the Farmer here expresses was proven by the large number of classes dismissed during the week of the Institute. The students thus excused were, it is sure, deeply interested in every session and certainly appreciated the opportunity given them to listen to the discussions on the various topics presented.

THE DEVELOPMENT OF A NATIONAL CONSCIENCE.

Conscience is everywhere today exerting a tremendous influence in directing individual and national affairs. Soft and low are its tones in the homelife, inspiring mutual love and sympathy. Strong and insistent are its accents, as it presides over society's great struggles, and urges reconciliation and mercy between man and man. Bold and fearless becomes its voice, as it challenges attention in the great conflicts of nations, and compels them to abide by its decisions.

Yet neither in the individual nor the state does conscience spring like Minerva, full armed from the head of Jove. On the contrary, in the individual it awakens with the life of

the infant, and grows and strengthens with the strength of the child. It is nurtured by a mother's prayer, and cherished by a father's warning voice. Harkening to its murmur, the little child bows his head and pleads sorrow for his wrong-doing. Wrestling in vain against the inner force, the hardened criminal surrenders himself at last to justice.

Nor is the growth of conscience in the nation less perceptible. Among primitive peoples, there exists merely the instinct of fidelity to a name. The whole state centers about a chief. His word, whatever it may be is ordained as right, and the public conscience, even as far as voluntary sacrifice, responds without a protest. Slowly the sense of national morality develops; struggling upward through bewildering confusion, tumult, and bloodshed, until it assumes a definite form. The nation must now assume responsibilities: it must regard the limitations of power. These responsibilities and limitations record themselves in a Magna Charta or a Constitution of 1787.

To us of America, it must always be the chief glory of our red, white, and blue that it is the emblem of a nation whose conscience, from its very birth in those first weak settlements at Jamestown or Plymouth, has been peculiarly sensitive to the cause of right, and has experienced an aggressive and rapid growth. Be it now our task to point out three steps in this wonderful development.

Never, since the fugitives whom Moses led forth from Egypt until the landing at Plymouth Rock, some three centuries ago, has a mere handful of outcasts been destined so to influence the world's future history through the establishment of a new conception in government. Those stern old ancestors of ours transported to a virgin soil the habits, ambitions, character of an old civilization, but in this new land, under a favorable environment, they nurtured a type of manhood, intellectually and morally new. Here in this New England, they conceived and incorporated into their political faith the idea of the inherent dignity of the freeman, a dignity which made him the peer of any rank or order of men. They had wearied of royalty and nobility. They hungered for a tangible species of freedom, a freedom limited, not by artificial bonds of caste, but only by the freedom of every other sovereign American. The test of their devotion to their new principle arose. Taxation without representation was plain subordination of freeman to freeman, a palpable injustice for men of English descent. A moral wrong was being done them by their brethren across the waters and they were at the parting of the ways. Were they to remain silent and humbly submit? Conscience awoke and said "No." And, true to its decisions, they sealed with their blood the principle that all men are created free and equal, and established forever among men the heaven-born dignity of the manhood that gazes out upon the world with level eyes and erect form.

And, this, the nucleus and core of real Americanism, they taught their children, while these latter, in turn, inoculated with it the sturdy immigrants who swarmed to this promised land. Men who were such strict adherents to moral duty surrounded the immigrant that he soon forgot the class hatred and strife of the old

world. His heart was warmed and his dormant conscience awakened by the earnestness and unselfishness of a people who aimed to establish the divine principle of equality for his common interest and by his common consent. And so, this puritan conscience with its reverence for manhood, and its horror of servile complacency passed into the life of the nation, a magnificent legacy for future generations.

Adherence to the voice of conscience was the creed of the church; it was the aim of the institution of learning. Yet in the rush of subsequent events the political conscience became sluggish and inert. The rapid development of the young republic with its imperial resources, its far-stretching territory, and its material possibilities, drew away the attention from the precipice over which the nation was trembling. When the nation had enshrined in its conscience the word equality; it had not for a moment considered the alien race of slaves so rapidly growing in the very heart of the country. The wording of the principle was comprehensive, but the slave was below even the term man, and had in the minds of the framers of the Declaration of Independence no connection whatever with the principles enunciated.

Soon, however, it became plainly evident that the North was outstripping the South, that the slave trade was poisoning the very life-blood of the nation. While the mass of the people were engaged in amassing fortunes, there remained a few who were not carried away by the popular tide. They began to see clearly the shameful hypocrisy of the nation's position—that while idealizing the dignity of God-given manhood, it should hold in bondage a race whose manhood was equal with that of its own sons. With tongue and pen, forgetful of danger and of the interests of self, these few clear-sighted heroes went up and down the land arousing men from the moral stupor and appealing to individual conscience for God's justice to all humanity.

Nor was that appeal in vain. The concrete issue between right and wrong was dissociated from bewildering political entanglements, and there came forth a true American to direct the affairs of state. Duty, not less than policy, prompted him to formulate a definite line of action. By the fearless performance of his official duties, he stimulated the moral nature of the whole nation, and conscience, reawakened, gave power and intention to the national will. On the one side stood the north, rigid, determined that the national honor must be saved. On the other stood the south, aggressive, enthusiastic in the belief of state sovereignty. Alas! Columbia was destined to feel once more the pangs and sufferings of warfare. War was no longer a possibility: it was here in all its stern reality. Those boys in blue who came in response to the call for volunteers, entered the struggle to establish once more a principle, a principle, which was to become a living virtue in the heart and soul of every American, a principle which gave morality, freedom, sunshine—Yea, even the sacred ties of home to the slave.

That tremendous conflict, not only purified and enlarged the national conscience, but it demonstrated that even in nations, the performance of noble deeds is greater than the con-

ception of high ideals, and extended to all in the land the dignity of the freeman irrespective of race or color.

Once more in the present age this principle of national life, this unselfish devotion to the dignity of manhood, has been still farther extended. Under our own flag, indeed, no man, high or low, was now denied his rights. But beyond our borders, in the neighboring islands of the sea, men still were bowed beneath the yoke of oppression, and conscience began to say that a further duty lay upon us. A general sympathy, not alone for those who are a part of our nation, but for these other down-trodden human beings, began to fill our hearts with pity. Within the waters of our continent and almost within sight of our very shores, military crimes against humanity more horrible than any that the annals of our history have ever recorded, were being perpetrated. Many of our own people had gone down from Jerusalem to Jericho and had fallen among brigands. Every fresh horror sounded as a trumpet peal to American sympathies. Cries of indignation and half suppressed rage were heard throughout our land. At last American patience was exhausted. The call to duty sounded clear and plain. The haughty oppressors were crushed, and the poor reconcentrated peon began to regard himself as a freeman. We did not interfere for self interest, but in the interest of all humanity. As a proof of this, Cuba is free, and, when she will have assimilated the conscience of the guardian republic, she is destined to emerge from darkness and assume the full share of earth's sunshine.

Such in successive steps has been the story of a widening conception of duty, of an application of the term "neighbor," Christ-like in the breadth of its embrace. First, it was for ourselves that with patriotic fervor, we achieved the right to front the world as free men, the peers of coronetted princes and gartered knights. Then, the nation poured out its best blood that the despised slave might face his fate, an equal among equals. And last, but sublimest of all in the boundlessness of its sacrifice, the nation gave its sons and its treasures, that, to the farther islands of the sea, God's blessing of free manhood might come.

And what of reward? A nation cannot look forward to a future life. Here and now, if at all, the recognition of its deeds must come. And that recognition has come and is coming in exceeding measure. We are become the arbiter of justice among the nations. In the recent struggle between Russia and Japan, our unselfishness and sympathy were recognized where no other voice could for a moment be heard. The useless and stupendous sacrifice of human lives cast a gloom over all the civilized world, and all turned to America as the nation whose motives were entirely unselfish, and as the power which could successfully secure peace. American conscience responded, and the butchery ceased. And, so, because of this national conscientiousness, this adherence to right, this ever growing sympathy, America is ordained the throne of Justice, the promoter of peace, in the march toward ideals of righteousness the leader among the nations of the earth.

GERTRUDE PETERS,
Agricultural College, Mich.

FOOD CHOPPERS

Universal
and
Grissold

Both good and well known.

No. 1 size 90c No. 2 size \$1.25
No. 3 size \$2.00

NORTONS HARDWARE

111 Wash. Ave. South.

EVERY KIND OF

FURNITURE

FOR YOUR ROOM.

Cots Folding Beds
Mattresses

Book Cases Desks

All Goods Delivered Free.

M. J. & B. M. Buck.



We are showing
an unusually attractive
line of

**Overcoats &
Cravenettes**

Feel certain can save you
money and at same
time give you latest
and best

**Spalding Sweaters
and Supporters**

Elgin Mifflin

THE JEWETT & KNAPP STORE

Where you will find the largest and most complete
stock of

Women's Misses' and Children's Ready-to-wear
Garments, Knit Underwear, Hosiery, Gloves
and Ribbons. All the new things in Laces,
Embroideries, and Wash Goods, : : :
See our New Silks, Dress Goods and Trimmings.
If you want an Exclusive Gown or Suit, go to
Lansing's Reliable Store. : : : :

JEWETT & KNAPP

220-222 AND 224 WASHINGTON AVENUE SOUTH, LANSING, MICHIGAN.

Saving is so Simple

to our patrons—they dress their feet so prettily in
our footwear and the cost is such a trifle.

We are
Showing for
Spring at **\$2.50** a pair

Shoes of excellent value, and where style
and comfort are considered you will
think \$3.00 a low price.

STYLES	
Vici Light Sole	\$2.50
Vici Heavy Sole	2.50
Patent Colt	2.50
Vici Kid Blucher	2.50



HOLLISTER
BLOCK

C. D. Woodbury's Shoe Store

ABOUT THE CAMPUS.

Born to Prof. and Mrs. King, Monday, March 5, a daughter.

Prof. Smith is in Ohio this week attending a State Dairy meeting.

The board in the various clubs will be audited this week Friday and Saturday.

A little daughter was born to Prof. and Mrs. W. O. Hedrick Friday morning, March 1.

Ernest F. Smith, '06m, entertained his sister, Miss Alma Smith, from Marshall over Sunday.

Miss Ruth Bogue of Pomona, Cal., is the guest of her brother, Prof. Bogue and wife for two weeks.

C. A. Willson '06, was in Byron, Mich., recently, where he made tests of Holstein cattle for advanced registry.

Miss Coney Fisher who was obliged to drop out of college for a time on account of sickness, has decided not to return this year.

Justice W. L. Carpenter, '75, has returned from his trip through the South and again taken up his duties in the Supreme Court.

Mr. R. J. Willis, of Holland, has been engaged as instructor in cheese making during the short course. Mr. Willis is one of the State Inspectors.

Ward Carpenter has dropped out of college for this year. The fact is regretted by his many friends who hope he may return in 1907 and complete his work.

Joel G. Palmer, '05, who attended the Round-up Institute is located

near Ionia, where he is with his father engaged in the breeding of pure bred purcheron horses.

Miss Anna Bell Campbell conducted the Thursday evening meeting of the Y. W. C. A. She chose as her subject, "True Wisdom," and led a very interesting meeting.

It is interesting to note that the mean temperature during the months of both January and February, 1906, was about 8 degrees higher than during these months in 1905.

The Eunomian literary society held their annual freshmen oratorical contest Saturday evening, March 3. Mr. Harry Cantrick won first place and Mr. D. A. Spencer second.

Mrs. Beal and her sister Miss Proud, left Wednesday for California where they will spend the next few weeks. They will first visit a brother who resides near Los Angeles.

The agricultural section of the State Academy of Science will hold a meeting at the College Friday, March 16. Two sessions will be held, one at two o'clock and one in the evening.

A bill is now before congress to give each agricultural college \$1500 for teaching forestry and \$2000 for experimental work. The funds would be under the control of the Secretary of Agriculture.

The work of plumbing and lathing the new dormitory goes on quite rapidly and unless something unforeseen happens, the building should

be ready for occupancy at the opening of college next September.

The state horticultural society which held a meeting in Hartford last week voted to offer a first prize of \$20 and a second prize of \$10 to the two students from the horticultural department who will show the greatest proficiency in identification of varieties of fruits and the judging of fruits at the annual mid-winter meeting.

A carnival of sports will be held in the armory next Saturday afternoon. The freshmen and Lansing high school hold their annual track meet, and in addition a general varsity track meet will also be a feature of the sports. A wrestling try-out will be held at that time, when the team to meet Alma will be decided upon. Alma comes the following Saturday, March 17.

For several years an effort has been made to increase the federal appropriations to experiment stations. Representative Adams, of Wisconsin, has had this matter in charge. He has been successful in passing through the lower house a bill which will increase the funds now appropriated to the experiment stations \$5,000. This amount will be increased each year until the maximum limit of \$15,000 is reached. The measure is now before the senate with good prospects that it will become a law. Those who feel like helping a good cause along might urge upon our senators the immediate passage of this bill.

Mr. Adams has been greatly assisted in his efforts by the execu-

tive committee of the Association of Agricultural Colleges and Experiment Stations of which Pres. Snyder is a member.

The third annual social evening of the College Women's club was held in the Women's Building Monday evening, February 26th. Regrets were received from a few who were unable to be present, but fifty members and guests sat down to a progressive supper which was in charge of Miss Colwell. After the flow of conversation thus engendered and the satisfaction secured by the dainty viands, a short program was rendered.

Mr. A. J. Patten sang two selections. Mrs. Sackett read two of Uncle Remus' stories in her true southern accent, and Miss Freyhofer gave two piano solos. The favors were hand decorated with the club colors. Time for departure came all too soon, and Mrs. Snyder, the club president, received the good wishes and good nights of those assembled.

SENIOR ENGINEERING SOCIETY.

At the meeting last Wednesday evening Mr. R. E. Keech talked on the subject of "Steam-turbines." He first showed the position of the turbine relative to the reciprocating steam engine and gave the advantages and disadvantages of each. Mr. Keech next explained the effects of high vacuum and super-heated steam as related to the steam turbine.

ATHLETICS.

The basket ball season is now over and M. A. C. has not been beaten in her own class. The home team has played practically every educational institution in the state that supports a team and has won fairly the championship. We did not play Ypsilanti, but that college was beaten by Adrian and others over whom M. A. C. won which should prove something of the relative strength of the two teams.

The season was started with just one old player, but all the new men have shown up in fine shape. Following is a summary of the games previous to the one Saturday:

M. A. C.	43	Adrian	-	18
"	76	Owosso	-	12
"	47	Flint	-	16
"	37	Mt. Pleasant	12	
"	25	Grand Rapids	20	
"	20	Ann Arbor	21	
"	21	Mt. Pleasant	18	
"	21	Adrian	-	20
"	44	Albion	-	11
"	25	Ann Arbor	29	
M. A. C.	359	Opponents		177

M. A. C. 59—ALBION 8.

Albion went down to defeat Saturday to the tune of 59 to 8. The visitors arrived late and on this account only fifteen minute halves were played. The first half ended 15 to 4, but from the beginning of the second it was simply a run-a-way for M. A. C., they scoring 44 points to their opponents 4. What if the halves had been 20 minutes? Vondette scored 14 baskets, Hanish 8, Dixon 3, McKenna 2. Westerman secured 4 points on fouls and one point awarded. Albion threw only 2 baskets from the field, one by Hollinshead and one by Sanderson. Albion has some very good individual players, but they seemed to have no plan whatever of team work.

FARMERS' CLUB.

The M. A. C. Farmers held their usual Tuesday evening meeting last week, and all present received a treat, in the form of a talk, by Prof. Shaw, his subject being, "Root Crops and Their Relation to the Live Stock Industry." The roots hold a peculiar place in that industry, their value cannot be explained, but we know they are a valuable food because of the results obtained, by feeding them. In speaking of the causes, of the objections, offered to roots, the Prof. mentioned some old data produced by the Penn. station, in which they stated that it costs \$56.07 to grow and harvest an acre of roots, while on the other hand, it costs but \$21.12 to grow and put an acre of corn in the silo. The experiment was carried on fifteen years ago and the machinery for handling the beets was most insufficient. The Prof. stated that he thought that cost, with the proper machinery, could be reduced one-half. He then outlined a method for producing roots.

Prof. Shaw spoke of another common objection to roots, namely, that animals fed on roots dressed a smaller per cent. He stated that when roots were fed in large quantities they tended to produce large viscera, and this might cause the animal to dress out a low per cent. He said that roots should be fed in small quantities, that they tend to

keep the digestive track in good order, and that they produced a larger growth of bone and muscle. On account of this growth they make a good food for young animals. The professor went on to show that all the stock grown on the farm enjoyed roots, and that certain ones were best suited to certain kinds of animals.

In conclusion he said that beets and corn silage should not be compared, that the beets were not a basic food, while the silage was. The one high in nitrogen, the other high in carbo-hydrates and each having a place among the stock feed.

Prof. Smith will give his talk on March 6th, taking Mr. Bucknell's place on the program.

SUNDAY EVENING RECITAL.

The musical program given in the chapel Sunday evening by the members of the Y. W. C. A. and Y. M. C. A., was appreciated by every one who attended.

PROGRAM.

Hymn	.....	Congregation
Solo	.....	E. N. Bates
	Scripture	
	Prayer	
Quartet	.....	Misses Cortwright, McCormick, Warner and Raynor
Solo	.....	J. V. Sheap
Trombone Solo	.....	E. A. Hallock
Piano Solo	.....	Neal C. Perry
Quartet	.....	Misses Cortwright, McCormick, Warner and Raynor
Hymn	.....	Congregation

During the program Mr. Hurst gave a farewell address to the students.

Following is a list of names of alumni and former students, so far as we were able to secure them, who visited the College the week of the Institute:

- S. R. King, '68.
- H. B. Stewart, '70.
- Robert Warden, '74.
- H. F. Buskirk, '78.
- E. O. Ladd, '78.
- C. C. Lillie, '84.
- M. E. Valteau, '84.
- I. B. Bates, '87.
- C. E. Bassett, '87.
- J. H. Brown, '87.
- H. B. Cannon, '88.
- N. P. Hull, '89.
- R. H. Wilson, '89.
- C. J. Monroe, M. S. in '85, (early student.)
- F. F. Rogers, '83.
- W. H. Hale, '82.
- R. J. Crawford, '91.
- T. F. Marston, '92.
- C. E. Holmes, '93.
- L. W. Watkins, '93.
- C. H. Alvord, '95.
- W. C. Stewart, '97.
- Dr. Frank Baker, '97.
- Paul Thayer, '00.
- A. L. Hopkins, sp., '00.
- C. P. Reed, '01.
- J. Strange, '01.
- F. A. Bach, '01.
- E. A. Case.
- H. K. Patriarch, '02.
- Burt Wermuth, '02.
- C. L. Bailey, '02.
- B. T. Hesse, '03.
- S. B. Hartman, '03.
- N. B. Horton, '03.
- R. G. Thomas, '03.
- L. T. Clark, '04.
- Geo. McMullen, '04.
- J. G. Palmer, '04.
- Fred Howard, '05.
- G. A. True, sp.
- A. L. Hopkins, sp.
- A. H. Welsh, '06.
- I. D. Cargo, '07.
- C. M. Annis, '07.

CALL ON

LAWRENCE & VANBUREN PRINTING CO.

WHEN IN NEED OF

DANCE PROGRAMS or SOCIETY PRINTING.

122 Ottawa St. E.

Stalker Prints

"Swell" Dance Programs
Fine Stationery
and other good things.

117 Michigan Avenue West
Ground Floor.

Correct Clothes

For
Young
Men
at

The Clothes Shop

BRUCE N. HICKEY,

120 N. Wash. Ave.

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.

M. A. C. BARBER SHOP, Rooms in New Bath House. H. A. Sias, Propr.

BOOKS AND STATIONERY.

A. M. EMERY, 116 Wash. Ave. N. Books, Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames. Fine Framing a Specialty. Up-to-Date Styles.

CITY BOOK STORE, Fountain Pens, Drafting Tools, Stationery, Cards, Engraved, Pocket Books, Card Cases and Bibles. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

BOOK BINDERS

GEO. G. BLUDEAU & CO.—Bookbinders Account book makers, paper ruling, library and fine art bindings, file boxes, map mounting, albums, pocket books, etc. Citizens phone No. 56. 109 Wash. Ave. N.

WAGENVORD & CO.—Bookbinders, Blank-book Makers, 109 Washington Ave. South.

BOOTS AND SHOES.

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

CLOTHING.

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

CROCKERY AND GLASSWARE.

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

DENTISTS.

A. F. GORDON, D. D. S. M. A. C. '91, U. of M. '01. 218 Washington Ave. S. Phone, Citizens 685.

J. E. STOFFER, D. D. S. Office 105 Washington Ave. S. Citizens' Phone 1049. Former M. A. C. student.

N. H. MOORE, D. D. S. Office 411-13 Hollister Building, Lansing, Mich. Citizens phone 475.

R. W. MORSE, D. D. S. Hollister Block, Room 517. Citizens Phone 52, Bell Phone 396.

D. E. PARMELEE, Dentist, 117½ Washington Ave. S., Lansing, Michigan. Citizens' Phone, office 275; residence, 261.

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.

DRUGGISTS.

ROUSER'S CAPITAL DRUG STORE. Up to date. Corner store. Opposite Hollister Block.

ROBINSON DRUG CO., successors to Alsdorf & Son, Drugs and Druggists' Sundries, 102 Washington Ave. N.

DRY GOODS.

THE JEWETT & KNAPP STORE, Dry Goods, 222-224 Washington Ave. S.

ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC CO. Electrical Supplies, Telegraph Instruments and Telephones, 11 Mich. Ave., E.

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.

HACK AND BAGGAGE LINES.

ORDER your hacks for parties at Carr's Hack Line. Livery in connection, 410 Washington Ave. N.

HARDWARE, STOVES AND TINWARE.

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

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., (Incorporated) Hollister Block. All kinds of the best insurance. Strongest agency in city.

JEWELERS.

CHAS. A. PIELLA, Jeweler and Optician. 121 Washington Ave. N., Lansing, Mich.

LAUNDRY.

THE AMERICAN LAUNDRY solicits a share of your patronage. Remember the number, 309 Washington Ave., S. New Phone No. 420. Julia Findley & Edwin Lewis, Props. S. W. Doty and I. D. Smith, College Agents.

MANICURE AND HAIRDRESSING.

MRS. O. T. CASE—Manicure and Hairdressing Parlors. Masquerade Wigs for Rent. Switches made of cut hair or combings. The France-American Hygienic Toilet Requisites a specialty. New phone 118. 222½ Washington Ave. S., up stairs.

MILLINERY.

FOR Fine Millinery go to No. 226 Washington Ave., S. New Phone 112.

MUSIC, PIANOS, ETC.

GRINNELL BROS. Pianos, Organs and everything in the line of music. 219 Washington Ave. N.

GO TO BAKER MUSIC CO. for the up-to-date sheet music.

PIANO TUNING, J. Parker. Action Work a Specialty. Teacher of Violin and Saxophone. Parkers' Orchestra, 119 Pennsylvania Ave. N. Citizens' phone 689. Lansing, Mich.

OCULISTS.

CHAS. G. JENKINS, M. D.—Diseases of Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m., and 2 to 5 p. m. Citizens Phone No. 1030. Rooms 2-3-204 Prudden Block.

PHYSICIANS.

J. W. 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 219 Capitol Ave.

DR. H. W. LANDON, Office and residence, M. A. C. Office hours from 7 to 8:30 a. m., and 12:30 to 2, and 6:30 to 8 p. m. Sunday office hours 4 to 5 and 7 to 8 p. m. Now phone 1560.

DR. OSCAR H. BRUEGEL, Hours 9 to 11 a. m.; 2 to 4 and 7 to 8 p. m. Agricultural College, Mich. Citizens phone 1502.

JOSEPH FOSTER, M. D., Eye, Ear, Nose and Throat. Hours 9 to 12 a. m.; 2 to 4 p. m.; Sundays, 12 to 1; Evening 7 to 8. Corner Allegan St. and Capitol Ave., Lansing. Both 'phones.

PLUMBERS.

SHIELDS & LEADLEY, Plumbing and Heating. 300 Wash. Ave. N., Lansing. Both Phones.

SPORTING GOODS.

J. H. LARRABEE, Base Ball Goods, Foot Ball Goods, Tennis, Golf, Guns, Ammunition and Fishing Tackle. 825 Wash. Ave. S.