

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 10.

LANSING, MICHIGAN, TUESDAY, MAY 2, 1905.

No. 32

SONG AND PIANO RECITAL

Given by Miss Elizabeth Blamere, soprano; Mr. Robert Boice Carson, tenor; Mr. Samuel T. Schroetter, pianist; Miss Mabel Mack, accompanist; under the auspices of M. A. C. chorus; Friday, May 5, 1905; College armory 2:30 p. m.

Indian Love Lyrics . . . Woodford-Finden

- (a) The Temple Bells.
- (b) Less Than the Dust.
- (c) Kashmiri Song.
- (d) Till I wake.

MR. CARSON.

June Beach
Fairy Lullaby Beach
Spring Song Hyde

MISS BLAMERE.

Moonlight Sonata, Op. 27, No. 2 . . . Beethoven

MR. SCHROETTER.

Heart's Fancies Thomas

Lockruf Ruckauf

My Song is of the Sturdy North . . . German

MR. CARSON.

Die Lorelei Liszt

MISS BLAMERE.

Ballade Op. 38, No. 2 }
Polonaise Op. 40, No. 1 } Chopin

MR. SCHROETTER.

Duet (Romeo and Juliet) Gounod

MISS BLAMERE and MR. CARSON.

Y. M. C. A. CONFERENCE.

A President's Conference of the Y. M. C. A. was held in Alma April 28-30 in which the Association Presidents of nearly all the Michigan colleges took a part. The problems of Association work, and how they can be met by the president and cabinet were discussed from every side during the two days conference. Sunday morning the delegates gave talks on Y. M. C. A. work in the colleges and in the foreign field. Sunday evening a stereopticon talk was given by Mr. L. E. Buell, views of the different phases of the work being exhibited.

Among the prominent men at the convention were O. D. Hurrey, Artley B. Parsons of Ann Arbor; L. E. Buell, and C. H. Gaffin of Wisconsin U. The convention is said to have been the best on record. Six of the seven summer conferences of the U. S. were represented there. A spirit seldom seen even in Y. M. C. A. conventions pervaded the whole work.

Too much cannot be said of the entertainment furnished by the Alma Association. The banquet on Saturday night was highly enjoyed, and the many courtesies extended called forth a formal vote of thanks on the part of the visiting delegates. All left feeling grateful to Alma for the opportunity offered to visit the school and profit by the papers presented.

Did you say had heard the "Creation" last year and need not attend this year? You heard only 2/3 of it, and besides, what great work of art is not worthy of a *second* or even a *hundredth* hearing?

'01.

Gordon E. Tower writes to have his RECORD address changed from Washington, D. C., to Milford, Pike Co., Penna.

DEBATING CLUB.

The question discussed at the Debating Club Thursday evening was as follows: "Resolved, That the Preservation of the Integrity of the Chinese Empire is in the Best Interests of Civilization?" The speakers on the affirmative were O. B. Burrell and F. R. Dorland, and on the negative H. B. McDermid and A. A. Towner. The judges decided in favor of the negative.

The committee appointed to secure rates to Ypsilanti reported that if 150 would go a round trip rate of \$1.50 could be secured. For 10 or more tickets sold, the ordinary party rate of one and one-third fare for the round trip will be granted.

FARMERS' CLUB.

On Tuesday evening, April 25, W. G. Sackett spoke to the Farmers' Club on the Relation of Bacteria to Soil Fertility. In one gramme of soil from 5,000 to 10,000 germs of two kinds, nitrifiers and denitrifiers, are found. The denitrifiers comprise 40 per cent. and work best in the absence of air. The nitrifiers work best in the presence of air and in a moist rather than a dry soil. The nitrifiers are of two kinds; those living in symbiotic relation with the legumes and those working independently of plants. Potash and phosphoric acid are rendered available by the action of bacteria. The meeting was well attended and every one felt well repaid for coming.

BIRD ARRIVALS FOR APRIL.

The following is a list of first appearances on and near the College campus from April 1 to 30 inclusive:

April 2, vesper sparrow, sapsucker; April 6, chewink or towhee; April 8, tree swallow, Savanna sparrow, chipping sparrow, large-billed waterthrush, bittern; April 15, hermit thrush; April 20, ruby-crowned kinglet; April 24, white-throated sparrow, yellow-rumped warbler; April 25, purple martin; April 26, house wren, chimney swift; April 27, rose breasted grosbeak, greater yellow-legs, lesser yellow-legs; April 28, bobolink, barn swallow; April 29, solitary sandpiper, yellow warbler; April 30, king bird, Baltimore oriole.

WALTER B. BARROWS.

May 1, 1905.

Y. M. C. A.

Rev. Mr. Thomas spoke in chapel Sunday morning, from the text, "He saved others, himself he could not save." He said that in this day we have critics who stand off at a distance and cast sneers and jibes at Christ and Christianity as did the scoffers at the cross. He showed the analogy between this sacrifice of Christ's to save humanity and the death of the plant or flower, by

which provision is made for the future.

Prof. Jeffery spoke in the evening. He mentioned cases of love revealed in animal life, enumerated the several kinds of human love and contrasted them with the divine love of Christ.

The Thursday evening meeting was led by C. H. Reed, who took for his subject, "A Successful Christian Life." B. G. Edgerton and others spoke helpfully on the subject.

FERONIAN MILITARY.

Saturday evening the society rooms with the stacks of guns and scores of flags gave one an immediate impression that a military was to be given by the Feronian girls. The uniform dresses of the young ladies carried out the idea still farther. The sound of the bugle at eleven drew the party to a close all too soon, and many declared that the young ladies should give a military oftener. The following honorary members acted as patronesses, Mrs. Landon, Miss Gilchrist, Miss Virgilia Purmort.

ENTERTAINMENT COURSE

As it was impossible to bring Dr. Willett here for the final number on the entertainment course the management secured Rev. J. B. Silcox of Lansing who gave an illustrated lecture on the famous works of art. The lecture was both entertaining and instructive and was much enjoyed.

Mr. Silcox stated that while he did not know all about pictures, he believed it safe to state that he knew more of them than those who did not know as much as he did. He then, with the aid of the stereopticon, took his audience through the various famous art galleries of this and other countries, throwing upon the screen reproductions of some of the most famous paintings and statuary. Mr. Silcox assumed the role of a guide throughout, and as the pictures were shown talked interestingly of the artist and the lesson he intended to bring out in the picture. Other interesting facts were mentioned, such as the first and subsequent cost of great works of art, inspiration which led to the work, etc.

The speaker emphasized the fact that we should study a picture closely to understand, if possible, the thought in the mind of the artist, as this is the only way to thoroughly enjoy great paintings. A number of colored slides were also used, showing beautiful scenery in various parts of the country, and the lecture as a whole was highly appreciated.

'99.

A. Thorne Swift recently won the gold watch offered by the Canada Life Assurance Co. for the largest amount of personal business produced in the state during the quarter ending March 31.

ALUMNI.

'87.

In our issue last week under Agricultural Journalism we should also have mentioned the name of J. H. Brown, with '87, who was also connected with the *Michigan Farmer* for a time, but who, about eighteen months ago, started the *Rural Advocate* at Battle Creek. The paper has a large general circulation and Mr. Brown always has a good word to say concerning M. A. C.

Saginaw, Mich., April 21, 1905.

Editor M. A. C. Record,

Agricultural College, Mich.

My Dear Editor:—During the perusal of the M. A. C. RECORD, I observe from time to time hysterical requests for news. While it is just possible I may not be able to give you anything additional, will say in running around the state, I frequently come in contact with M. A. C. men and among others, I met F. T. Williams '98 at his home in Petoskey a short time ago, and found him delightfully situated with a charming wife, and suspect from all appearances that Fred is both happy and prosperous. I got a letter from his old side partner, "Pete" Woodworth, '98, Caseville, in which he said he was as happy and as busy as a skunk in a hen-roost and found moss-backing it a very strenuous occupation.

My old room-mate "Turk" Severance, '99, has been dead to the world for some time. A little information filters down to me occasionally through the other boys that he is seeking his Eldorado on an Antrim county farm near East Jordan, and manages to sandwich in between the planting and gathering of crops a little time to straighten out the farmer's lines as well as doing some work for the East Jordan Lumber Company.

George N. Gould, '99, has developed into a political ward-heeler of no small proportions. He is supervisor in his township, director in his school district, master of the grange, auctioneer, farmer, and for the benefit of those who know him well, will say that he is 24 carat fine as usual.

It might be well to caution the various departments to keep a close tab upon the representatives they send around the state. Mr. L. T. C. of "Naughty 4" was a visitor at this office the other day and became so infatuated with the stenographer that I had a desperate time getting him on the train, twenty-four hours after he should have gone.

As for myself, I am *too* well known at M. A. C. now, if the statements of the sub-faculty can be given credence. I expect to be here at Saginaw some time yet trying to do the people good, while I find it rather difficult to save them, when they won't be saved.

Assuring you of my appreciation of the RECORD, I beg to remain,

Very truly yours,

A. THORNE SWIFT, '99.

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.

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EDITH HUTCHINS, '06.

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BERENICE MAYNARD, Sp.

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TUESDAY, MAY 2, 1905.

IT SEEMS next to impossible to get the dates of the closing of school, commencement, etc., straight. In last week's RECORD we thought we had it clear, but it gave commencement as Thursday, June 21. As a matter of fact Thursday comes on the 22d, so this must be remedied. The date is June 21, however, and the day of the week is Wednesday.

ON FRIDAY afternoon and evening occurs the M. A. C. May festival, a program of which appears in this issue. Enough has been said, perhaps, in announcement, but considering the talent brought to our college at this time, and the faithful work of the chorus itself in preparation of the event, no one can afford to miss the treat which this festival is sure to afford. Students, especially, should so far as possible take advantage of the opportunity to hear the best musical entertainment ever given at M. A. C.

ATHLETICS.

M. A. C.—HILLSDALE.

The Hillsdale game was called at 4 o'clock Wednesday afternoon and in spite of the unfavorable weather a very good crowd witnessed the game. Hillsdale bunched a number of lucky hits in the first inning which gave them four runs. After this, with the exception of one lone run in the second, the visitors seemed helpless before Nies pitching backed up by good fielding. M. A. C. played a good fielding game considering the wet ball, and their base running and bunting kept Hillsdale guessing "all the while." Canfield did good work at bat driving out three hard hits and scoring four runs. McKenna was also up to his usual average at batting. Nies pulled himself out of a critical place in the seventh when with the bases full and only one man out, he struck out Hogan and got the next man on a short grounder. M. A. C. stole twelve bases during the game.

For Hillsdale, Myers, c. f. played a fast game securing several flies after long runs.

It might be stated that on Tuesday Hillsdale won from Albion, 10 to 6. Following is the line-up:

Hillsdale	R	H	PO	A	E
Walrath 2	1	2	6	2	0
Wescott 1	1	1	3	0	0
Rowe 3	1	3	0	1	0
Hogan 1	1	1	1	0	2
Alger c	0	0	2	2	1
Clements	0	0	2	2	2
Steimer r	0	0	1	0	1
Pope p	1	0	0	3	1
Myers m	0	0	3	0	1

Totals 5 7 27 10 8

M. A. C.	R	H	PO	A	E
Armstrongs	2	2	3	2	1
Chapman 3	3	2	2	1	0
Burke 1	1	2	11	0	1
Canfield 2	4	3	0	2	2
McKenna 1	2	3	2	0	0
Gunnison m	1	1	2	0	0
Boyle g	0	0	6	2	0
Wilcox r	1	1	0	0	0
Nies p	0	1	1	3	0

Totals 14 15 27 10 4

M. A. C. 5 1 2 0 3 0 2 0 1-14 Hillsdale 4 1 0 0 0 0 0 0 0-5

Two base hits, Canfield, Wescott, Rowe, Hogan. Sacrifice hits, Burke. Bases on balls by Pope 4, by Nies 3. Struck out by Pope 1, by Nies 5. Wild throws, Pope 2, Nies 1. Umpire, Hall, of Olivet.

M. A. C. VS. NOTRE DAME.

On Saturday, May 6, will be M. A. C.'s first opportunity to meet a track team from one of the larger institutions, and all are looking forward to the event with much interest. Not very much is known of Notre Dame's team excepting their captain and star, Draper, who is known to be almost a whole team himself, and without exception is the star athlete of the West. He holds jointly the western record in the hurdles, and in the 100-yard dash has a record of ten seconds recently winning from Archie Hahn in Chicago.

The shot-put is likely to be a revelation here as Mr. Draper has a record of 47 ft. 5 in., within six inches of the world's record held by Rose. They also have a pole vaulter who has gone 11 ft. and 3 in. and are likely to be strong in all events.

The meet will be called at 2:00 o'clock and it will no doubt take until 6:00 to run off all events.

New bleachers are being erected at the finish of the straight-away for use on Field Day and will be completed in time for this meet. Admission 25c.

The athletic association is to present a gold medal to the batsman having the highest percentage for the season.

M. A. C.—ALMA, I.

The game on Saturday furnished a big surprise to both our players and the spectators. Alma has been weak for so many years in the line of base ball that we reckoned on their past record rather than on their present strength. Although the visitors were outplayed, the game was close and exciting. M. A. C. was up to her usual standard at stealing bases, but the hitting did not seem to be done when hits would count runs. Nies and Helmer both pitched star games, Nies holding Alma down to two hits and Helmer our team to four. The fielding on the part of both teams was a feature, Johnson for Alma securing the ball several times after long runs. In the first inning with men on second and third and one out, a fast double play was pulled off from Armstrong to Burke to Boyle, thus catching the second man at home and shutting out the visitors from what seemed a sure run. In the second inning Alma pulled off a fast double play at a

time when the prospects were good for a score on our part. Boyle did exceptionally good work at the bat, and the man who tried to steal second on him always found the ball there ahead.

M. A. C. wins her first cup game. Following is the line-up:

Alma	R	H	PO	A	E
Karkett s	0	0	2	2	0
Monteith 3	0	0	1	1	0
Helmer p	1	1	1	5	0
Lathren c	0	0	6	1	0
Buck m	0	0	2	0	2
Marshall 1	0	0	7	2	2
Webber 1	0	0	2	0	0
Watson 2	0	1	3	1	2
Johnson r	0	0	0	0	0

Totals 1 2 24 12 6

M. A. C.	R	H	PO	A	E
Armstrongs	1	0	1	3	0
Chapman 3	0	0	2	4	0
Burke 1	0	1	11	1	1
Canfield 2	0	0	0	0	0
McKenna r	1	0	2	0	0
Gunnison m	0	0	2	0	0
Boyle c	0	2	7	1	0
Wilcox 1	0	1	2	0	0
Nies p	0	0	0	2	1

Totals 2 4 27 11 2

Two base hit, Boyle; three base hit, Helmer; struck out by Helmer 4, by Nies 5; bases on balls, Nies 1, Helmer 1. Stolen bases, M. A. C. 8; Alma 0. Umpire, Stephenson.

This week Thursday Detroit College comes here for a game. They defeated us last year in Detroit and claimed the college championship of the state.

Rev. Silcox last year told the members of his congregation that everyone ought to hear "The Creation" at least once a year.

RESOLUTIONS.

WHEREAS, It has pleased our Heavenly Father to call from this life Rev. Frank McAlpine, father of our beloved brother, Bruce McAlpine, and

WHEREAS, Mr. Bruce McAlpine has been a hard working and beloved member of the Eclectic Society, be it

Resolved, That we extend to him in this time of bereavement our heartfelt sympathy, and be it further

Resolved, That a copy of these resolutions be sent to Mr. Bruce McAlpine, and a copy also published in the M. A. C. RECORD.

H. H. HOGUE,
B. B. ELLSWORTH,
Com. on Resolutions.

'79-'88.

D. W. Andrews, with '79 and M. Esterbrook, '88, were College visitors one day the past week. Mr. Andrews has presented the College with a photograph of the class of '79, taken in their freshman year. The picture will be suitably framed with key, giving names of each member of the class and will probably be placed in the library. Mr. Andrews now expects to engage with the Commercial Insurance Co., and will in this case move to Lansing and take up his permanent residence.

'98.

A daughter was born to Mr. and Mrs. Herbert Hagadorn Monday, April 24. Mr. Hagadorn has left the General Electric Co., of Schenectady, N. Y., and is now assistant manager of the United Street Railway of that city.

'01.

M. L. Ireland, having passed the required examination, has been transferred from the 11th Infantry at Ft. D. A. Russell, Wyo., to the Artillery Corps, and assigned to the 69th Co. Coast Artillery at Ft. Monroe, Va.

'04.

E. Balbach has left Grand Rapids and is now with the Platt Iron Works, of Dayton, Ohio. He is enjoying his work very much, and states that so far as he knows R. L. Yates, '03, and himself are the only M. A. C. men at the above place. His address is 319 W. Fourth St.

The following is taken from a letter written by D. S. Bullock, '02, to Dr. Beal. The letter is dated March 7 from Tecumo, Chile:

"Last Saturday I returned from a 10 days' outing in the Andes, and it was a most interesting time I assure you. I do not know how high up I got, but went to the lower limit of the Chilean Pine (Araucaria Imbricata) Monkey Puzzle tree as it is usually called. I climbed one of the female trees and got down 40 of the cones. These cones are hardly what we usually think of as pine cones, being almost like a ball in form and about 6 inches in diameter. The seeds are about 1 1/2 inches long and one-half inch in diameter at the larger end. The time I was there was too early to gather the seeds or "pinones" as they are called. In about a month more they are ripe and fall to the ground themselves. For about two months they form a very great part of the food of the Indians, who live within 20 or 30 miles of the trees. They are also sold in great quantities, and when boiled are excellent eating.

The trip in to the pines took us about three hours on horseback from the nearest houses. The boy who acted as my guide and interpreter, not knowing the road, I was compelled to procure another, which I did after considerable talking. We left the last native house "ruca" as they are called, at 3 o'clock in the afternoon and started up the ravine toward the pines. The road is simply a path wide enough for a horse cut through the forest and thickets, and across openings containing from 2 to 10 acres. The trees are quite varied, and as you get nearer the pines you see a gradual dropping off of the species until as you come to the first pines you find only two or three kinds remaining. I met with, I think, four species of beech. Some of them enormous trees four feet in diameter and 60 or 70 feet to the first limbs. Met one species of Podocarpus. The Nothofagus Dom' beyi is far the most common and grew apparently as well up nearly to the pines as 100 miles nearer the coast. Nearly all the way was found very abundantly the bamboo, or coligue as it is called, growing in dense thickets and in some places making the advance very difficult. In the open places, growing very commonly, was one species of golden rod, pampas grass, strawberries in fruit and flower and a host of other grasses and weeds which I do not know.

(Continued next week.)

The chorus concert last year was a very great musical treat. This year promises to be even better. Come to hear it May 5.

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C. D. WOODBURY. HOLLISTER BLOCK.

ABOUT THE CAMPUS.

Notre Dame comes here Saturday for a track meet.

Remember the big concert Friday afternoon and evening.

Ask Mr. McWethy which way the State Capitol faces.

Did you go to the Industrial School Sunday? Did you get in?

Someone remarked that "it sounded very much like a fire whistle."

Mr. Laverne Seeley is in Traverse City testing for advanced registry.

Mrs. Hettie Wright Phillips was a college visitor Thursday of last week.

The half holiday next Friday is given that you may attend the afternoon concert at the armory.

The drawings in the bulletin by Prof. Shaw are the work of G. H. Ellis '07, and are exceptionally good.

Mr. Alexander Moore, '89, and wife of Port Huron, called on College friends Wednesday of last week.

Hon. Charles E. Townsend of Jackson will deliver the commencement address on Wednesday, June 21.

The campus has brightened up very materially, both the foliage and grass showing the effects of recent rains.

Two class games pulled off last week. The sub-freshmen won from the sophomores by the score of 8 to 1.

The athletic tennis courts are reserved between the hours of 10-12 a. m., and 4-6 p. m. for the candidates for the team.

Instructor Peters was in Springport the last of the week doing surveying, and incidentally to inspect the book bindery.

The copy for the first half of the catalog has been sent to the printer. It is desired that corrections for the last half be made as early as possible.

Mr. W. H. Kirker, of Morrice, Mich., visited his brother, Robert, a day or two recently. Mr. Kirker is interested in the raising of small fruits.

Prof. Jeffery was at Standish, Arenac Co., Wednesday of last week, where he gave a talk before a farmers' meeting on Rural Schools.

Rev. W. B. Jennings, D. D., pastor of the First Presbyterian church, Detroit, has been secured to preach the Baccalaureate sermon on Sunday, June 18.

Harry L. Brunger '02, of Milwaukee, made college friends a hurried call on Saturday of last week. He spent Sunday at his old home in Grand Ledge.

Some experiments are being made in the physics department with wireless telegraphy, and it is expected soon to pick up a message about the campus most anywhere.

The item concerning C. H. Briggs '96, should have been made a part of the one concerning Mr. McCallum as both are employed by the firm of Parke, Davis & Co.

Mr. P. R. L. Carl, of Manistee, was at the College on Friday of last

week to have a certain kind of coal analyzed. Mr. Carl is auditor of the Manistee & Northwestern Ry. Co.

E. A. Richmond '02, was a college visitor a day or two the past week. Mr. Richmond has been employed as draughtsman with the Baldwin Cement Co., but is now at his home in Grand Rapids.

A wheelbarrow was borrowed from the building now occupied by the restaurant and meat market some time ago. Mr. Champe asks that the students to whom he loaned same kindly return it at once.

In the game between the freshmen and seniors, the freshmen won 5 to 3. Seven innings were to be played, but at the end of the seventh the score was a tie. In the eighth the freshmen scored two runs, thus winning the game.

The mammoth jaw noticed in the RECORD of last October as found in the Grand River near Eaton Rapids has just been purchased for the museum from Mr. Chas. M. Fry, who found it. It is a nearly perfect lower jaw in a good state of preservation, and will be placed on exhibition in the museum at once.

The concerts are not a money making scheme, but to give you, at the lowest possible price, the best music the country can afford.

At the sale of Shorthorn cattle held at Pontiac, the past week, two yearling bulls from the College were sold. One to Mr. David Miller of Pontiac for \$135, and the other to Mr. Benj. Kelley of Ypsilanti

for \$90. All stock was consigned by the members of the Shorthorn Breeders Association and included 45 animals. The attendance as far as buyers were concerned, was small and the prices in general extremely low.

Some one who did not leave his name, presented the Zoological Department last week with one of the largest bullfrogs which we have had the pleasure of examining. It measured 14 inches from tip of snout to end of middle toe, and the distance between the tips of the outstretched legs is 17 inches. The weight of the specimen was not taken but is not far from a pound. Will the donor kindly send his name to Professor Barrows?

On Saturday afternoon Mrs. J. L. Snyder entertained at a linen throw in honor of Miss Jennette Carpenter, who is to be married to Capt. Mark Wheeler, of Fort McPherson, Ga., early in May. One of the features of the entertainment was an amusing description of a wedding journey, the adjectives being furnished by the guests. Mrs. Carl Smith, of Lansing, sang a solo, "Oh Promise Me," and kindly responded to an encore. The various parcels showered upon the guest of honor contained quotations appropriate to the occasion, which were read for the amusement of the company. The instructors from the Women's Building assisted in the dining room. The house decorations were hearts, the refreshments being served on a heart.

RECENT STATION BULLETINS.

Because the work of the station covers both technical subjects—the results of experiments of value to scientists or to people in definite local areas, on one hand, and subjects of universal interest on the other, two series of bulletins are issued. The regular bulletins now number 224 and in this series are printed all bulletins of general interest. The special list now includes 32 bulletins, these relating to technical subjects or matters of interest to but part of the state only.

Within the last week there have been sent to the printer four bulletins. One of them relates to the influence of the presence of nodules on the roots upon the composition of soy beans and cow peas. This is number 224 of the regular list. It shows that while the nodules may not give a larger gross yield they do increase the percent of protein in the hay made from either soy beans or cow peas fully 50 per cent. Even when the grain is allowed to mature, the seed from the inoculated plants contains at least 25 per cent. more protein than from uninoculated plants. The importance of this matter is evident.

The special bulletins are reports of the South Haven Substation, special bulletin No. 30, which besides giving a full and accurate statement of the relative economic values of the best varieties of fruits, reports experiments with new spraying mixtures both for fungi and insects. The bulletin is a valuable contribution to the literature of spraying and spraying materials.

Special bulletin No. 31, reports the work done on the Upper Peninsula station. It is written by Mr. Geismar in his usual vigorous style. The season has been more favorable and the report shows substantial improvement in the station as a whole, and good yields of such crops as might be expected to do well in that northern region. Potatoes are planted in the fall and dug either the succeeding autumn, or are safely left unharvested until the second spring.

Special bulletin No. 32 is by Prof. F. W. Robison. It is a report of two digestion experiments in which four head of cattle were used. The question was whether succulent feed was more digestible than similar food in the air dry condition. The results indicate that while greater growth will be made when the food is succulent, it is not more digestible.

A bulletin fresh from the printers' hands, No. 223, written by Prof. R. S. Shaw, reports the College equipment for the care of swine and the results of several years' work on the feeding of swine in pasture during the summer. The work is of prime importance to Michigan farmers, but cannot be adequately discussed in the limited space allowed in this paper. Every one interested should get the bulletin at the secretary's office.

C. D. S.

You have reasons to be proud of the M. A. C. chorus. If you don't believe it come to hear the concerts May 5.

Friday evening was the annual freshman declamatory contest of the Feronian Society. The following places were awarded 1st to Julia Ellsworth, 2nd, Carolyn Ellsworth,

3rd, Lovina Merrick. The winner of first place was awarded a society pin.

A quantity of lumber has been placed on the grounds for the new store building east of the grounds which we understand will be managed by Mr. Weaver. Mr. Gurnsey will do the building.

The debating team consisting of Messrs. McNally, Johnson and Lilly, goes to Ypsilanti Friday where the annual debate between the two colleges takes place in the evening. Quite a number of college people will no doubt accompany the team. For rates, etc., see report of Debating Club. We shall present to our readers next week a half tone of the team.

April 22 Miss J. Carpenter was given a farewell reception by the members of her society. The literary program was well in keeping with the guest of honor, and much merriment was given to all. Toward the close of the evening Miss Carpenter was called to the president's chair where she was presented with a Feronian pin as a little memento. A flash light picture of the entire crowd concluded the entertainment.

The zoological department has a nice specimen of the jumping mouse (*Zapus hudsonius*) alive, which was presented recently by Mr. Roscoe Hale, of Fowler, Michigan. An effort will be made to get a good photograph of this rare mouse, after which the specimen will be prepared for the collection. This is one of the few rodents which hibernates during the entire winter. It buries itself in the earth and sleeps from fall until spring. This specimen was plowed out while still in a dormant condition.

In the mention of M. A. C. men in the various colleges, two have been unintentionally omitted. One in the issue of April 18—that of E. D. Searing, assistant in mechanical engineering at Fort Collins, Colo., which position he has held since '02 the year of his graduation.

The other omitted in the issue of last week under Lincoln, Neb., was the name of William P. Snyder, M. S. in '03, who is superintendent of the North Platte Station. His address is North Platte, Neb.

'00-'01.

Cards are out announcing the marriage of Lieut. Mark L. Ireland, '01, to Miss Irma G. Thompson, on Saturday, April 29. The ceremony was performed by Rev. Ernest Bourner Allen at his home, 1736 Washington street, Toledo, Ohio. Samuel McClure, '03, was among those present to witness the ceremony. Mr. and Mrs. Ireland will be at home to their friends, after July 1st, at Fort Monroe, Va. The RECORD extends congratulations.

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The State Board of Agriculture meets at the College Friday morning and the members with their wives will attend the concerts given Friday afternoon and evening.

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President and Mrs. Snyder will entertain at six o'clock dinner Thursday evening in honor of Gov. and Mrs. Warner, the members of the State Board of Agriculture and their wives.