LANSING, MICHIGAN, TUESDAY, DEC. 11, 1900.

No man goes into mercantile pursuit expecting his business to support him in body and soul, and the energy which he puts into it. On the other hand, he regards his business as a valuable means of supporting himself. In the same way no farmer owner expects his farm to support him alone, but his stock when once purchased. The breeding, management and feeding; the occurrence. Dr. Marshall's lectures giving a fitting conclusion to the work.

The immediate benefits to the farmer and his family, but spend his life in the handling of cattle or milk. In the same way no farm owner should expect his farm to handle milk that is too ripe to make cheese is to be improved in a very marked degree as a result of the work done by the College in this direction. As far as the future of the students is concerned, I have but to report that all who now pursue a course as given at the College, register, and secure room nearest to the cheese room, the cheese course will begin February 18th, and continue with lectures and practical work done by the College in this direction. It is to contain a quarterly contest for first-class cheese makers for which we have not yet fixed a date. There has been about $100 already subscribed, by the students, for this fund. Let everyone feel a responsibility in the matter and let it be a reality. It is to be managed by a large number of them will not fail to take advantage of the opportunity offered.

Dairy Course.

Recognizing the fact that there are a large number of young men who desire to keep cows and make up the product on the farm, a course is given in getting the man who knows how to use it, but is a decision and a sure property of the College holding it three consecutive years, he cut out.

At the Athletic Association meeting last Thursday it was decided that the sentiment of this association was not in favor of an M. I. A. A. Foot Ball cup. Such a cup has recently been offered by Brackett to be contested for annually by the colleges in the association. It was further voted that the sentiment of this association that the base ball cup be contested for annually and that the College give it to the student taking notes while the milk is being poured and during the intervals this milk can be spared from watching the vat.

There has been in the past much discussion as to the methods which should be taught at this dairy school. I believe that this discussion is now over. It is hoped that the class will be made up largely of old cheese makers who will come to the College to perfect themselves in the details of handling milk and making cheese under adverse conditions. The methods employed will be such as will make Michigan cheese as any other. There will be no hostility shown to the kind of cheese which brings the highest price and enjoys the highest favor. In this country that are lacking in success because they do not understand the mechanical appliances with which they have to deal daily is legion. We are anxious to give the old butter-makers of the State to the College this winter to help correct this defect.

A characteristic which I believe particularly marks the course as given at the Michigan College is that the men get practical work in the butter room only on days when the butter is running a separation. The work should all be finished by noon. Of other days of the week the lectures come in the forenoon largely, and the practical work in the afternoon.

Cheese Course.

The cheese course will begin February 18th, and continue with lectures and practical work largely in the forenoon and the practical work in the afternoon.

The drill which Prof. Mumford and his assistants give the people who take the live stock course eminently fits them for dealing with the shrewd commission men in the great legions. We are anxious to get the forenoon largely, and the practical work in the afternoon.

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The drill which Prof. Mumford and his assistants give the people who take the live stock course eminently fits them for dealing with the shrewd commission men in the great legions. We are anxious to get the whole question of starters in the cheese business clarified. It is not too much to hope that the quality of the Michigan cheese is to be improved in a very marked degree as a result of the work done by the College in this direction.
THE M. A. C. RECORD.
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The only war, however, in secret The RECORD registry is to subscribe.

Each week offers a growing puzzle in the selection of matter for the pending issue of the RECORD. Guess we shall have to enlarge the paper.

The College is bigger, more and more and more. There is absolutely nothing so far as our courses, on the contrary, the men and women are absorbed in doing the things required of them rather than in speculating. There is absolutely nothing so far as our courses are concerned, to take the place of the long and severe training in the ancient languages and literatures; and their minds go with the gods of ancient language, history, philosophy, ethics, logic, economics and literature give them every advantage where emotion or speculative thought is concerned. And yet we have one great advantage in that we shall only choose that on which that advantage becomes available. We are investigators, and shall not, in the early part of the term, make our writing of a purely known truth. As men of action our modes of thought are alert, vigorous, original, and so to speak the world is always glad to listen. Suffuse this thought with the strong emotion of appeal, cloth it with the straight-forward, simple, vigorous language, and it becomes oratory, the more powerful because of its back bone, the deeper because of its sincerity to us if we will choose subjects within our own sphere, subjects that every one of us is familiar with, to which we belong and on which we therefore feel strongly, subjects that every one of us has studied. Such a thought as such as our studies have taught us to pursue. The great thing is to get the sturdy thought, the next is to express it, to state it, to arrange it, and simple majesty of truth. Who can speak for the dignity of labor, if we cannot? The very cause, if we do not? The very thought contained, and in these longings, what better than the possibility for opportunity, what better than the opportunity, what better than the thought presented, is to give expression to a common view of the subject, we have seen.

The true character of Antigone is born of true religion, such is the cause, if we do not? The very thought contained, and in these longings, what better than the opportunity, what better than the thought presented, is to give expression to a common view of the subject, we have seen.

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I would not, nor do I, forget the high tension under which Antigone labored. Neither do I fail to remember the noble purpose in her mind, that of rescuing her brother from the consequences of a violated funeral rite. But devotion for the living sister. In our studies we have repeatedly accused Creon of assuming divine self-justification. It seems to me that divine judgment personified in the Nastarion, is less repulsive in the church than in the state.

I have mentioned these things, to detract from the greatness of character of Antigone along the single line which the author seems to have in mind, but rather to honestly question the seemingly prevailing idea that in her life as here revealed is to be found "the noblest type of womankind from all eternity to all eternity."

It is doubtful if many of the apparent inconsistencies in the character of Antigone are to be attributed to the habits and customs of the time. Sentiment and romance were then unknown factors in the art of love. Ancestral pride was at its height. Hence without egotism she asserts, p. 73: "Behold, O lords of Thebes, how I have reigned as the royal lion, now suffer * * *

Stoicism was not a virtue with the Greeks, and so without reserve she goes to a martyr's death with oft repeated words of pleading and self-sacrifice falling from her lips. But for the noblest type of womankind, the modern idea, which somewhere between the two eternalities that love a place, would welcome at such a time a single hint of love for Hamion, a word of tender remembrance for Ismene, and finally a climax in her martyrdom which should rise above her weakness and face her doom with a noble courage.

Campus Notes.

President Snyder is confined to his bed by illness. President Snyder went to Chicago last week on college business. The prizes won by the M. A. C. stock exhibit at the big stock show in Chicago last week amounted to $195.00.

Chapel was conducted by Rev. Andrews of Lansing last Sunday morning. He took for his text Acts IX, 4 and 5.

Prof. Towar held the Montcalm County Institute last week. He also lectured at the meeting of the Pomona grange at Aurelius.

Pres. Snyder led the Union meeting at the N. Y. M. and Y. W. C. A. Sunday evening. He read from Luke XIX, and later directed attention to the actions of Zechzebus in his efforts to save Jesus as he was passing through Jericho.

The annual meeting of the Cooperative Book Buying Association was held last Saturday at 12:30. Nearly an hour was spent in the endeavor to form some plans for the betterment of the Association. A number of the officers were re-elected.

The Phi Delta Society have elected the following officers for the winter term: M. E. Haywood, President; R. L. Himbaugh, Warden; E. F. Smith, Secretary; F. D. Stevens, Treasurer; R. C. Himbaugh, Reporter.

W. J. Bailey and H. T. Thomas of the senior class were admitted to the Tau Beta Pi Fraternity at the last meeting of the Monday afternoon Chapter. Both have maintained a place in the front rank of their class in scholarship and have thus won the privilege of wearing the Best of Tau Beta Pi.

After years of toil in Arctic clime the Horticultural department will dwell henceforth in regions of perpetual summer. Steam pipes are being laid from the heating plant of the Women's Building to the Horticultural Laboratory. Surely this is but another evidence of the warmth and comfort which are bringing even to earth's remotest parts!

Concerning Wheat Insects and Internal Worms in Lambs.

Prof. C. D. Smith gives us what he considers two very important statements concerning observations made during his trip through southern Michigan last week. The first refers to the pasturage of sheep. He observed that lambs pastured on new pasture were comparatively free from intestinal worms, while lambs pastured on pastures which had been used for several years were very seriously affected, some farmers losing from 50 to 75 per cent. of their lambs.

The second observation has reference to insects on wheat. In sections where the wheat was sown before September 16 and after September 26, the wheat is in excellent condition. But where wheat was sown between September 16 and 25, the wheat is usually much affected by the fly. Last year Mr. T. T. Higgins of Dallas, Cass county, found that by watching the wheat carefully for several days with a microscope, he was able to tell when the eggs were laid. He immediately went over the field with a mowing machine cutting off the tops of the wheat, the part on which the eggs were laid. Owing to a break-down with his machine, he was unable to cut over the whole field. But the wheat in the part of the field thus cut entirely escaped injury from the fly, while the remainder was very seriously affected.

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instance, after 15 years of fruitless efforts to recover by every other means, but it will also be of incalculable value in the treatment of all similar cases in the future."

**Botanical Club.**

"Lemon culture" was the subject of a most interesting talk given by Mr. S-Phens. His home is in Santa Barbara, California. His father is a prominent, lemon grower of that section. Lemon trees are grown by budding on young orange seedlings and when of sufficient size are carefully transplanted, keeping a ball of earth undisturbed around the roots. The budding, cultivating, pruning and irrigating, is carried on much the same as with any orchard. The trees begin bearing in four or five years, after which fruit in all stages of development can usually be kept very well. The fruit is first picked, sorted and then packed for caring.

"The scale is the worst disease and a serious one. Just as a reminder, the plant is not killed by it. This was the case cited in the upper Peninsula is capable of doing. The fruits did well and growth, but nothing can be said as to their success, although orchards in the vicinity are doing very well. The worst weeds are those brought in enlarging the national herbarium, and the latter have made fine specimens for the College herbarium in exchange for some plants which he received from Prof. W. T. Steere.

K. L. Ruttersfield, ’83, was at the College last Saturday. He is visiting his parents and attending the State Grange meeting in Lansing. Mr. Ruttersfield is the last graduate work at the U. M. under Dr. Adams. He speaks with real pride of the red-tail Delaware, under whom he hoped to take some further work.

Allan C. Robling, ’83 (M. S. 1882), writes: "I have retained my position and will make this [Haker City, Oregon] my headquarters for a few months at least. Hereafter this will be my postoffice address, and I would like to know where the rest of the ’83 boys are. Why don't you fellows come down and visit us? Success to old M. A. C. and all her daughters and sons,"

A. E. Smith, ’91, is a successful physician at Quincy, Ill. It is with pleasure that we quote the following from an article in the Dec. 6 issue of the Ohio Times:

"A special number of the Philadelphian Medical Journal, probably the testing periodical of the profession in the country, contains an illustrated article upon the successful treatment of cutaneous skin disease known as lupus vulgaris, by Dr. A. E. Smith of this city. The disease thus named is well known to the professionals, being one of the most persistent and incurable type, but in the particular case cited in the Journal, it succumbed to the X-ray treatment which the Dr. employed. No previous reports of the use of these mysterious rays in the treatment of such a case and to him be long the distinction of a discovery as well. His successful practitioner. The happy thought which led to these results came to Dr. Smith, when endeavoring to conduct bacteriological experiments and from the wide verification of the facts, well known to students, that such cultures did not thrive. Not only has their discovery been the cause of relief and total cure to an afflicted patient, in the present

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