The Beet Sugar Course.

The beet sugar course for which the Board made provision last week, will open April 3, and continue for eight weeks. In reality there will be two courses, as follows:

1. A course directed towards educating young men to test beets at the factories. This course will be conducted under the direction of the Botanical Club.

2. A course to fit young men to act as assistant chemists in beet sugar factories. This course will include, first, instruction along the same lines as given in course 1, and secondly, a thorough drill in the analyses made in ordinary factory work. Lectures will be given on the general principles of manufacture of sugar, the construction of sugar factories, and the laws regulating the manufacture of beet sugar.

In the agricultural department of the experiment station the students of both courses will receive instruction on the history of the development of the sugar beet, on seed testing, the cultivation of the beet crop, and on the refining and factory work of beet sugar. The work in practical sugar manufacture will be conducted under the direction of Prof. S. F. Kelzie, by an expert who has had experience in the sugar factory; the other work, under Prof. C. D. Smith, and Prof. Mrs. Munsford spent Sunday in Jackson.

On Friday evening the football team elected G. A. Nickle as captain for the season of 1900.

On the 26th of January Prof. W. C. Y. Will read a paper before the Detroit Engineering Society.

C. W. Kaylor '01 returned Wednesday evening from home, where he had been for the holidays.

Mrs. E. M. Bowser, who has been on leave, has returned.

R. F. has returned to M. A. C. for a somewhat extended visit to Prof. and Mrs. D. T. Tovar.

Mr. and Mrs. Louis Heitz of Buffalo and Mrs. William Young of Portland were guests of Mr. and Mrs. Chace Newman last Friday and Saturday.

Miss Elizabeth Hedrick of Harbor Springs arrived at the College Friday evening for a visit of two months with her brothers, Prof. W. O. and U. P. Hedrick.

C. M. C. Scott, instructor in special course in anatomy, caught the sleeve of his jacket on a revolving shaft Friday, and was only saved from serious injury by the tearing of the sleeve.

Basket-ball team goes to Olivet Saturday.

Prof. Smith attended an institute at Edmore yesterday.

A new valve resetting machine is to be tried at the boiler house.

There were eleven cars on the College side track over Sunday.

A new copper sanitary still has been added to the station chemical laboratory.

Dr. W. J. Beal will speak on the Dispersal of Seeds at the meeting of the Botanical Club tonight.

The societies have declared off the annual auction. Prof. and Mrs. Smith have invited Manager Norton to arrange for next Friday evening.

A new case for apparatus has just been added to the equipment in the southwest corner of the engine room.

F. A. Converse, Woodville, N. Y., lectured to the special course students yesterday morning on "The Ayrshire Cow."

The farmers' institutes held this season have been very successful, especially so in localities where M. A. C. graduates are located.

The hydraulic lecture table in the physical laboratory has been removed, and in its place is a counter with cisterns and drawers.

Special course students keep coming in. We now have 26 in the dairy courses, 17 in five-stock husbandry, and 5 in the fruit course—a total of 48.

One lovely rose bush of a Kentucky cardinal are spending the winter on the campus.

The course in cheese-making will open February 13 and continue four weeks.

Aderhold of Neenan, Wisconsin, has been added to the equipment in the dairy courses, 17 in live-stock husbandry, and 5 in the fruit course—a total of 48.

Prof. and Mrs. Smith received last week from Prof. and Mrs. C. H. Alvord a box of lovely roses that were picked on the campus of the Texas agricultural college.

All of the water used in the College boilers is now measured and the coal used to heat it is weighed, to determine the amount of water evaporated by each pound of coal burned.

As a result of having a railroad to the campus, the College residents and the boarding club get first-class stovewood, right in the wood-yard, for from $1.30 to $1.50 per cord.

Next Saturday in Detroit, Prof. O. Benton will read before the Michigan branch of the American Association for the Advancement of Physical and Chemical paper on "The Physical Basis of Mental Efficiency."

No man can be free unless he governs himself.

Good company and good conversation are the sources of virtue.
THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE MICHIGAN AGRICULTURAL COLLEGE.
EDITED BY THE FACULTY.
ASSISTED BY THE STUDENTS.

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For various reasons the M. A. C. RECORD is occasionally sent to the subscriber but which have not been sub­scribed for the paper. Such persons need have no hesitation about taking the paper from the positor, for no change will be made for it. The M. A. C. RECORD regularly is in advance.

Official Directory.

V. M. C. C.—Regular meeting Sunday evenings at 7:30 in the Botanical Laboratory, G. M. Brad­den, President.

V. M. C. A.—Wkshws-meetings for all boys on Fri. evenings at 7:00 in the Old Library, F. W. K. Walters, Secretary.

NATURAL HISTORY SOCIETY—Meetings once every week at 7:00 in the Zoological Lecture Room, B. Barlow, President. W. K. Camp, Vice-President. C. M. Ford, Secretary.

HISTORICAL SOCIETY—Meetings every Sat­urday evening at 6:30 in the Botanical Laboratory, G. M. Brad­den, Secretary.

ADVISORY SOCIETY—Meetings every Sat­urday evening at 6:30 in the Zoological Lecture Room, B. Barlow, President, H. B. Siddons, Secre­tary.

COLUMBIA-CHICAGO SOCIETY—Meetings every Saturday evening at 7:00, French Hall, Prof. E. L. Morey, Secretary.

FARM SOCIETY—Meetings every Saturday evening at 7:00, French Hall, Prof. E. L. Morey, Secretary.

PERKINSON'S SOCIETY—Meetings every Thurs­day evening at 7:00, French Hall, Prof. E. L. Morey, Secretary.

PERKINS SOCIETY—Meetings every Thurs­day evening at 7:00, French Hall, Prof. E. L. Morey, Secretary.

UNION LITERARY SOCIETY—Meetings every Monday evening at 7:00 and Thursday even­ings at 6:30 in the Agricultural Laboratory, G. M. Brad­den, President. R. L. S. Christensen, President. H. G. Driskel, Secretary.

HESPERIAN SOCIETY—Meetings every Sat­urday evening at 7:00, French Hall, Prof. E. L. Morey, Secretary.

ECLECTIC SOCIETY—Meetings every Saturday evening at 7:00, French Hall, Prof. E. L. Morey, Secretary.

Y. M. C. A.—Weekly meetings for all ladies on Thurs­days at 7:00, French Hall, Mabel Brigham, President; Elizabeth Johns, Cor­responding Secretary.

Y. W. C. A.—Weekly meetings for all ladies on Thurs­days at 7:00 and Thursday evenings at 6:30, C. H. Wells Hall, Marston and Profs. Smith and Tim­merman, Secretaries.

NATURAL HISTORY SOCIETY—Meets at 7:00 on Thurs­days in the Zoological Lecture Room. B. Barlow, President. Emma Miller, Secretary.

BOTANICAL CLUB—Meets Tuesday evenings at 7:30 in the Botanical Laboratory. G. M. Brad­den, Secretary.

Agriculture.

The January meeting of the State Board of Agri­culture was held in Lansing last Wednesday evening. The members present were Presi­dent Marston, Messrs. Monroe, Allen, Watkins, President Snyder and Secre­tary Thurlow.

A communication from the state­ments regarding a proposed student newspaper, to be published in the College, was read by Mr. C. E. Marshall, Secretary.

SECRETARY BIRD'S FINANCIAL REPORT.

For the six months ending Dec. 31, 1899, showed some remarkable results of the practical workings of the new business department. The following amounts were paid by the Board, to take effect July 1, 1899. The principal changes inaugurated were: the Board system were three in number, viz.

1. Ordering strictly under the requisition system.

2. Giving the departments credit for receipts. As a result of this credit, the departments increased their credit balance and, in the succeeding six months periods, the principal changes were:

3. The net cost to the College of these two departments during the same five years was as follows:

FARM department, receipts, six-month periods:

1895 $1,338.74
1896 $1,956.24
1897 $2,010.15
1898 $1,848.35
1899 $1,956.20
1899 $1,393.91
1898 $1,533.20
1897 $1,820.99
1896 $1,882.81
1895 $1,772.52

Horticultural department, receipts, six-month periods:

1899 $1,393.91
1898 $1,533.20
1897 $1,820.99
1896 $1,882.81
1895 $1,772.52

The net cost to the College of these two departments for the six-month periods during the same five years was as follows:

FARM department:

1899 $1,956.20
1898 $1,848.35
1897 $2,010.15
1896 $1,956.24
1895 $1,338.74

Horticultural department:

1899 $1,393.91
1898 $1,533.20
1897 $1,820.99
1896 $1,882.81
1895 $1,772.52

The only way, however, to secure THE RECORD without hesitation about taking the paper from the College treasury, equaled $46,026.09. This was a net increase for the corresponding six-months periods during the five years begin­ning July 1, 1894, and ending with June 30, 1899, as follows:

$204.88
547.99
559.35
293.66
265.55
204.88

Net profit to College:

Dec. 31, 1899...$313.93

The Ethics of Amateur Sport.

It is said that President Arthur Twining Hadley is the first Yale president to attend a Yale Harvard football game. He is so much in­volved in the affairs of the university that he gave the subject considerable prominence in his inaugural address.

In connection with this report Prof. E. S. Sylvester King, instructor in English at a salary of $700 and $1,342.01; on June 30, 1899, this shrink­age had been increased by $3,500, and on June 30, 1899, by $3,921.41; or a total for three years of $6,051.39. Nearly one­half of this shrinkage has been replenished during the last six months, a matter of great importance in view of the rapidly increased attendance at the College, and the consequent increase in expense.

Sec. 1. Ordering strictly under the requisition system.

Sec. 2. Giving the departments credit for receipts.

Sec. 3. The disposal by auction or pri­vate sale of the herd head after the close of the present show.

Sec. 4. The invention of the proceeds in competitive specimens of the different breeds of sheep, includ­ing five ewes of each of the breeds now not well represented in the College.

Sec. 5. The investment of $75 from $100 in representative Polish Chows hogs.

Prof. Mumford was empowered to dispose of the bull now at the head of the Shorthorn herd and to purchase a bull for temporary pur­poses.

Not to exceed $250 was appro­priated for special work during the coming year.

It should be borne in mind in con­nection with the last item that the farm portion for the year 1899, in the table showing net cost of farm, that $350—salary for the head and one-half of the assistant, was paid to the farm foreman for the period—has been charged against the farm department, which is charged against the College for the first time in its history. For a fair comparative statement this amount should be de­ducted from the $1,038.91, making the total for 1899 $313.93.

But why, it may be asked, should the College anything? Why should they not be self supporting? As a form and as a garden they are self­supporting, but excluding the costs incurred by the farm, the College might well be charged to an educational fund—to the keeping up of the athletic teams, lecture rooms, etc., that the farmer pays for.

It is also of interest to note that the M. A. C. RECORD is for the first time published on a regular basis, following is a complete statement of the balance of the Record fund at the time the College was organized.

JANUARY 16, 1900.
colleges, and our nation as a whole, are becoming better able to understand the love of sport for its own sake. The growth of this spirit through three generations has revealed English universities of some of the problems which today confront us in America. To the growth of this spirit we must ourselves trust for their solution here. I am ready heartily to co-operate in any attempts that other colleges may make to lay down rules for the practice of intercollegiate athletics, because the absence of such cooperation would be misunderstood and would give cause for suspicion where none ought to exist. But I cannot conceal the fact that the majority of such rules can only touch the surface of the difficulty; and that so far as they distract attention from the moral element in the case which is beyond all reach of rules, they may prove a positive hindrance to progress. If we can enter into athletics for the love of honor, in the broadest sense of the word, unmixed with the love of gain in any sense, we may row and then lose a few students, but we shall grow better year after year in all that makes for sound university life."

Important Ruling on College Funds.

Attorney General Oren has given Attorney General Dr. as an important opinion bearing upon the authority of the State Board of Agriculture in handling the funds of this College. The revenues of the College are of two classes:

1. The amount received from interest on the College land fund; an annual allowance from the United States government; and receipts from students' fees, sale of farm products, etc.
2. Specific legislative appropriations for buildings and stated improvements.

The revenues of the first class have proven sufficient to provide for the current expenses of the institution and for years the only appropriations that have been made by the legislature for the College have been for specific purposes, such as the erection and repair of buildings, payment of student labor, etc.

Attorney General Oren holds that the laws governing the use of the funds provided other than by the legislature have not been affected by the recently enacted accounting laws of the state, and that if there is a surplus in any of these funds after the current expenses of the institution have been provided for, the Board of Agriculture has ample power to use such surplus for any other purpose that it may deem conducive to the general interests of the institution, and if it appears upon the face of the vouchers that payment has been made out of this surplus money, and that the expenditures were actually authorized by the Board, it is the duty of the auditor general to audit the vouchers.

Dr. J. W. Hagadorn, Charles Cole, C. D. Woodbury, or A. C. Brown, are authorized by the Board to secure a right of way for the railroad side track recently constructed from Trowbridge to the College boiler house. The attorney general holds, however, that the Board has no authority to use any portion of the surplus mentioned to supplement legislative appropriations made for specific purposes. For instance, if the legislature appropriates $5,000 for a building, the Board has no authority to construct a more expensive building and pay the excess out of the surplus in other funds. The opinion says that if an institution seeks legislative appropriations, it is bound to comply with the terms and conditions imposed by the legislature in making the appropriation. Unless there is a specific provision that the fund appropriation is to be joined with other funds the institution has on hand it is presumed that the legislature intended the building to be completed within the amount appropriated.

Mixing Things.

Harry G. Cowling with '01 writes under date of January 1, from Colville, Wash., as follows:

"I am at present in the employ of the Colville Hardware and Grocery Company, and regularly each Saturday, I mix the contents of the newsy sheet with the busy ham of the country trade, and tell the farmers all about the "sugar beets" and the art of studying "Hort." I hope next year to return to M. A. C. and finish my course."

Life Thoughts.

Your life is what you make it. The best philosophy—a contented mind. If you would be strong conquer yourself. You can ever be better than he seems. Study books to know how things ought to be; study men to know how things are.


LOTS FOR SALE IN "OAKWOOD"

On Easy Terms—Low Prices.

Buy a lot and we will lend you the money with which to build a house.

CITY ADVANTAGES,
including electric lights, sewerage and regular street car service.

COUNTRY TAXES.
Buy now while prices are low. Rent of rooms alone will pay TEN PER CENT. NET on the investment.

Enquiries of either
Dr. J. W. Hagadorn, Charles Cole, C. D. Woodbury, or A. C. Brown.

We have made unusual preparations for Fall and Winter Underwear business and are in position to show almost everything desirable in Silk, Wool or Cotton garments.

Combination Underwear....

is constantly growing in popularity; never sell a customer a two piece suit after wearing combination. Avoids double thickness about waist, clotting fits better and life is brighter. All qualities in men's, women's and children's suits.

Don't get so excited over the merits of combination underwear that you forget we have THE UP-TO-DATE HAT STOCK

OF LANSING. Would like you to come in and see for yourself.

Neckwear department chalked full of New Bright Ties.

Students' Patronage Solicited.

ELGIN MIFFLIN.

Furniture Headquarters.

Cats at $1.25, $1.50, $2.00 and $2.50.
Wire Springs at $1.50 and $2.00.
Mattresses from $1.00 up.

Tables, Rockers, Bureaus, Iron Beds.

All goods delivered free to College.

R. B. Shank & Co.,

Leading Grocers and Confectioners.
News from Graduates and Former Students.

D. W. Trine '92 has enrolled for post-graduate work.

Kefus Lanston with '98 is at home recuperating from the effects of a severe cold.

Born January 3 to Mr. and Mrs. W. L. Rossman '89, of Harbor Beach, another daughter.

Perry G. Tabor '85 is engaged in establishing agencies in Michigan for the Milwaukee-Harvester Co.

Mrs. M. G. Kains and her son, Marion and Standards, who were visiting her mother, Mrs. M. Fulton, of Lansing.

R. E. Morrow '95, instead of running a creamery at Thompsonville, as stated in last week's Record, was at Atwood.

Charles P. Hubbard with '92 is now in a large plant of the Stanley Electric Co. at Lafayette, Ind.

W. K. Brainerd '93 is taking the special course in live stock husbandry and other work in the agricultural department.

C. H. Chadsey with '00 has returned to his employment in the Elevator Co., Grand Rapids. Address, 64 North Vernon street.

Joseph H. Freeman '90 is practicing patent law with a firm in the American Trade Society Building, Nassau street, New York.

Mrs. Jennie Tawar Whitmore '86 is living at present on the old homestead. She is intending to build a house in Oakwood in the spring.

William Treadwell '01 will not be in College during the remainder of the year. He has accepted a position with the Van hook Seed Co. in Chicago.

Mrs. Lizzie Schooley Evans with '01 went last Friday to Pittsburg, Pa., where her husband has secured a good position in a printing office.

Lew L. B. Bates '87, late of Co. C, 35th M. V. I., called at the College on business Friday. He has just returned from a two-month's trip from California to the East.

C. B. Collingwood '85, has gone to Chicago and is working in a manufacturing line on the Verde gold mine, in which he and several others Lansingites are interested. He will be gone a month or more.

Sidney A. Rochester with '01, whose interesting letter from Havana appeared in our last issue, writes under date of Dec. 20, that he is detailed on special duty as post master and has secured a very good position in a printing office.

Carl S. English, with '87 is superintendent of the Lowell municipal light and power plant. He writes to Prof. Kelata for a good work on physics, saying, "The teachers in the schools here insist on having me help them study physics, and I desire to do the best I can by them."

Leander Burnett '92 has been spending a week in the vicinity of his home in Coldwater visiting friends. His friends here will be glad to learn that he has decided to locate here and has accepted the position of electrician with the Lansing Telephone Co., with whom he began work yesterday.

G. J. Jenks, '89, president of the firm of J. Jenks & Co., Harbor Beach, is associated with W. L. Rossman '89 in the manufacture of starch from wheat, by a process devised by Mr. Rossman. They are meeting with remarkable success, selling their entire product direct from the factory, and will double the capacity of their plant in the spring.

In the course of his South American travels, Robert L. Reynolds '95 has reached the Chilian city of Valparaiso, which is about the size of Indianapolis and is in south latitude corresponding to that of Charleston, S. C., in north latitude. He writes that he will remain for some weeks in Valparaiso and may, in opening along electrical lines is promising, locate there permanently.

Resolutions on the Death of Mrs. Burnett.

Whereas, It hath pleased the Almighty God to call from this earth the beloved wife of Leander Burnett, an alumnus of the College and a member of the Union Literary Society, and Whereas, The deceased was an honorary member of the Society, Resolved, That the Society extend to her family and friends its sympathy, and that a copy of these resolutions be spread upon the Society records.

G. E. Tower, N. A. McCune, J. B. Steward, Committee.

BICYCLE and ELECTRICAL SUPPLIES.

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

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

Capitol Electric Engineering Co.

321 Washington Ave. S.

THE M. A. C. RECORD

January 16, 1900.

Davies Clothing Co.

103 Washington Ave. S.

COME ON BOYS—

We have all the latest up-to-date styles and patterns in CLOTHING, FURNISHING GOODS AND HATS.

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

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

WE SELL FOR CASH ONLY.

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