The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 13.

LANSing, MICHIGAN, TUESDAY, DECEMBER 3, 1907.

ATTENTION, DEBATORS.

All members and friends interested in the debating club are requested to meet in College hall, room 4, Thursday, Dec. 5. A good debate has been arranged for that date. Our last debate of Nov. 21 was held by Messrs. Michigan and Lyon. The former sustained the affirmative, the latter the negative. The question was, "Resolved that all Japanese labor should be excluded from the U. S."

The following debate will be an interesting discussion. The affirmative carried off the decision, given by the club. We want all men entering the Ypsilanti M. A. C. preliminary debates to be present at this meeting as important business is to be transacted.

R. G. HoopSgArD, Sec.


g

CHANGES IN ENGINEERING COURSE.

Minor Changes Adopted by Faculty.

At the suggestion of Dean Bisell the following changes in the engineering course have been adopted by the faculty:

First, that physics in the sub-freshman year be required in every term to the amount of three hours for the fall term, three hours for the winter term, and five hours for the spring term, respectively, and that the physics now required for the five-year men in the fall term freshman year be stricken out of the course. These changes to go into effect immediately.

Second, that in place of physical geography in the winter term of the sub-freshman year shall be given additional plane geometry, three hours per week. This change to go into effect with next term.

Third, that physics 2d, 2e, and 2f, now beginning with the winter term of the freshman year, to be advanced so as to begin with the fall term of the sophomore year, and that the place of physics in the freshman year be taken by German or history, to be substituted by German or economics in the sophomore year instead of in the junior year as at present.

Fourth, that there shall be offered, as electives with advanced kinematics for the winter term of the senior year, either water supply engineering and astronomy or power station engineering. This change to apply next winter term only, pending fuller consideration of the revision of the entire course of study.

Consider well your actions, What's done you can't recall; Polish it until it glimmers; Say it—don't take half a day.

F. M. Walker, with '06, spent a short time with my brothers and other college friends last week. He is now manager of a stone quarry at Drakel, Michigan.

Miss Edith Hutchins with '06, was married Wednesday, November 27, to Mr. Philip Norton, at the house of the bride's parents at Hart-

over, Mich. Mr. Norton is a graduate of Albion College and represented that institution at the inter-collegiate orontial contest last year.

L. N. Hayden is now working in Chicago. His address is 446 Engle-

wood Ave.

E. G. Robinson is now teaching in an academy at North Hampton, New Hampshire.

Myrtle B. Craig, of last year's class, is now teaching domestic science at the State Industrial De-

partment of the Western University of Quindaro, Kansas, speaking of the institution in a recent letter to Mrs. Landon she says: "Our school is young, but growing and progressive. We have about 200 students, the majority of whom come from Kansas, Missouri, Indian Territory, and Oklahoma. The state supports the industrial side of the work, and the literary department is under the charge of the M. E. church. There are three buildings with a fourth in process of construction and our teaching force numbers fourteen."
THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR

MICHIGAN STATE AGRICULTURAL COLLEGE

W. G. WHITING, MANAGING EDITOR

ASSOCIATE EDITORS:

B. M. AUSTIN, '08
G. S. VALENTINE, '09


THE NEW BOILER.

It Will Develop 350 H. P.

To the casual visitor at the college power house a new boiler is being placed and it seems to be a "whale." If one asks he will be told that it will be capable furnishing more steam than any two of the boilers beside it. If inquiring of being merely a casual visitor he proves to be a man of mechanical bent he will see and learn much interest concerning the new boiler.

The boiler is of the "Bonnor" type, built by Lyons Boiler Co., De Pere, Wis. This type of boiler was first devised and built at the Iowa Iron Works Co., Dubuque, Iowa, for some light draught government gun boats and then known as the "Iowa" boiler. The boiler is essentially a return tubular boiler of such large size that it would be impracticable to expose the shell to direct heat from the fire as is done with smaller boilers. The fire is carried a great distance in the furnace and space behind the brick wall are provided with a roof or lid. The fire-brick supported on a row of water tubes expanded in hollow headers or water legs attached to and opening into the shell of the boiler at front and back.

Thus the water tubes form a part of the circulation part important in the boiler and are kept cool enough to support the furnace arch. The fire is built near command of a portion of this arch and the products of combustion travel under the arch nearly end of a coal and through the flues of the main hearth to the uptakes as in the standard return tubular boiler. By the construction the following advan-

ages are obtained: (a) More horsepower per square foot; (b) More capacity in a single unit; (c) Reduced cost per unit of capacity; (d) Lighter weight and more capable of manipulation; (e) Better turn tubular type, without sacrificing the desirable features of the lat-


**The M. A. C. Record.**

*Every Kind of Furniture for Your Room.*

**Furniture**

Cots  
Folding Beds  
Mattresses  
Book Cases  
Desks  
All Goods Delivered Free.

M. J. & B. M. Buck.

**About The Campus.**

Remember the band concert at the Armory, Friday night.

Maj. Soule, treasurer of the University of Michigan, was a college caller, Friday.

About 125 people partook of the Y. W. C. A. supper at the Woman's Building, Friday night.

Prof. U. P. Hedrick of Geneva, N. Y., formerly professor of horticulture at M. A. C., will speak at Battle Creek this week on "The Care of the Orchard." He also will speak at Chicago to attend a meeting of the Western Alumni association of the Massachusetts Agricultural College of which he is a member.

There's no finer language drill than debating; it also trains to ready thinking; it arouses interest rather than debating; it also trains to business men of the city are talking of the plans showing great interest in the plans for the Festival.

The canvass of tickets for the May Festival is now being taken in the city, and this year has been quite successful. Many of the residents and business men of the city are showing great interest in the plans for the Festival.

During the past two years the University of Chicago has established a class for the training of railroad employees with the object of increasing their professional efficiency. The project has been undertaken in association with a number of railroads, and has thus assumed a practical aspect. Special lectures have been delivered by prominent railway officials bearing upon the traffic, auditing, and operating of the American railway.

**About The Campus.**

Miss Hearty Brown spent the Thanksgiving vacation with her parents, Mr. and Mrs. A. M. Brown.

A jolly young maiden named Tanner was an expert upon the pianist. She played a feldler rally. And that isn't all. She had a young man there to fan her.—Anon.

**Steps in English.**

Dr. Blaisdell's Text-Books in English are Being Printed in Raised Letters for Use in the School for the Blind.

Students of certain classes at the School for the Blind are learning to speak and to use correct English from Dr. T. C. Blaisdell's two books, "Steps in English," No. 1 and 2, which are being printed in raised characters for these sightless students who are compelled to read with their hands instead of their eyes.

Dr. Blaisdell's books are being adopted all over the country for use in the public schools and Supt. Clarence E. Holmes, who has had unlimited experience in selecting textbooks during his educational career, pays Dr. Blaisdell a high compliment in speaking of the two books of which he is the author.

Supt. Holmes said he had selected them from many which had been submitted to him on account of their conciseness, thoroughness and practicability for the study of rudimentary grammar in the primary grades.—State Republican.
AVERAGE men are as colorless as average clothes. College men are outside the average—their togs have to be College Brand Clothes are. Just a bit more dash to 'em, a great sight more style and the precisely right amount of fit. Though exclusive their price isn't enough to exclude you from wearing 'em. For the young man and the “like-to-be-young.”

O’CONNOR, Clother.

Agent for College Clothes.

Dairy Employment Agency
Lansing, Michigan
F. O. FOSTER, Proprietor.

SPORTING GOODS

SPALDING’S Sweaters and Sweater-vests are always the best; therefore we have the best in heavy-weights and Jerseys. We also carry a complete line of College pennants and banners.

DIRECTORY

LANGING BUSINESS and PROFESSIONAL MEN

The names in this directory, as well as those of all other advertisers, are submitted voluntarily. We hope that the faculty and students will take pains to patronize those who patronize us.

BARBERS

M. A. C. EARRIE SHOP, Rooms in New Back House, 31-3, Ailes, Prop.


BODIES

O. G. BLUDEAU & Co.—Boothbodies. All body work, best prices. Also fine boots and shoes. Hours, 9 to 12 a.m.; 2 to 5 p.m.

BOOTS AND SHOES

C. D. WOODBURY—Rocks and Shoes. We love the students. Sell ad.

DIRECTORS


DEPARTMENT STORES.

CAMERON & ARBAUGH Co., Largest and best stock of Millinery and Millinery Goods.

DRUGGISTS

R. S. OUSHER'S CAPITAL DRUG STORE, Up to date, Corner stores. Opposite Hallinan Block, 122 Park Ave., S., Lansing. Lansing.


DRY GOODS.

T. J. G. AYER, 222 W. Washington Ave., N.


JEWELERS


JEWELRY


MANURC AND HAIRDRESSING


MUSIC, PIANOS, ETC.


SPORTING GOODS.

R. S. OUSHER, 222 W. Washington Ave., N.

DOLLAR STORES.

C. D. WOODBURY—Rocks and Shoes. We love the students. Sell ad.

D. W. J. A. S., up stairs.

MUSIC, PIANOS, ETC.


JEWELRY


MANURC AND HAIRDRESSING


MUSIC, PIANOS, ETC.


SPORTING GOODS.

R. S. OUSHER, 222 W. Washington Ave., N.

DOLLAR STORES.

C. D. WOODBURY—Rocks and Shoes. We love the students. Sell ad.

D. W. J. A. S., up stairs.

MUSIC, PIANOS, ETC.


JEWELRY


MANURC AND HAIRDRESSING


MUSIC, PIANOS, ETC.


SPORTING GOODS.

R. S. OUSHER, 222 W. Washington Ave., N.