

The Tech

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BOSTON, MASS., WEDNESDAY, JANUARY 4, 1905.

PRICE THREE CENTS.

WESTERN DINNER.

Dinner of the Missouri, the Wisconsin, and the Chicago Clubs.

A combined dinner of the Missouri, the Wisconsin, and the Chicago Clubs will be held at the Union on Thursday, January 5. It is hoped that by thus having the three Clubs unite for this occasion, that much more interest in the dinner will be shown by the members of the respective Clubs, and that there will be a correspondingly larger attendance.

President Pritchett will be present and a very interesting program has been arranged. All men belonging to any of the Western Clubs are strongly urged to attend, as they will be afforded an excellent opportunity to become better acquainted with members of other Western Clubs besides those of their own.

Consular Reports.

The "Daily Consular Reports," which are issued by the Department of Commerce and Labor, offer some very interesting reading matter. The articles are written by the United States Consuls and deal with the commercial and scientific movements in foreign countries.

While most of the reports are written mainly about commercial subjects, there are constant allusions either direct or indirect, to the growing importance of Applied Science in commerce and the various manufacturing industries. The Consul-General at Berlin says, in an article on "Technical Education the Basis of German Industrial Progress," that Germany owes its rapid industrial progress to the students of its many technical schools. Applied Science has made rapid advances in the work of all the fields of manufacture.

Other reports give interesting accounts of new inventions, of new railroad, highway and other commercial projects, and of many scientific investigations. For example, the subjects of some of the articles are, "The Autopyrophon, an Automatic Fire-Alarm," "Motor Boats in Warfare," "A New Fog Signal," "Prevention of Dust on Highways," and "Proposed Railways in Peru."

ANNUAL BOILER TEST.

Interesting Work of Seniors.

At eight o'clock Monday morning the annual 128-hour engine and boiler test was begun. Plans were laid to make this test the most complete ever yet held, the members of Courses II, VI, X and XIII in the Senior Class joining in the work. The Course VI men take care of the electrical part of the work, the rest are divided up on the boilers and engines. During the test the boilers will be run constantly day and night, the engines from 8 A.M. to 4 P.M., daily. The men are worked twenty at a time in eight-hour shifts during the day, and four men are kept at work on the boilers all night.

The test is to be entirely a general one. The efficiency and speed will be taken, and the work will include an accurate quantitative test of the weight of coal used, weight of steam generated and weight of condensed steam, also weight of water used, etc. The weighings of the coal ashes taken out are also recorded. The readings of the indicator cards taken every fifteen minutes give the cylinder pressure, and since the speed, which is also taken every fifteen minutes, and the dimensions of the engines are known, the exact horsepower is determined. The strokes of all pumps used are also recorded, and in fact the work is a complete plant test.

Rhodes Scholarships.

The qualifying examinations for the next appointments to the Cecil Rhodes Scholarships will probably be held in January. The scholars to be selected from these examinations will go into residence at Oxford in 1905.

Candidates, who passed the examinations in 1904, will not have to take this year's examinations if they present certificates of "responsion" given to those who have passed in the previous examinations. Applications for admission to candidacy for appointments from this State should be addressed to the Chairman of the Rhodes Scholarship Committee Harvard University, Cambridge, Mass.

1906 CLASS PICTURE.

Rogers Steps 1 P.M. Sharp.

All Juniors assemble on Rogers steps at 1 P.M. to-day, Wednesday, January 4. The Class Picture which will appear in *Technique '06* will be taken at this time, weather permitting, and every '06 man must be present.

Chemical Society.

There will be a meeting of the Chemical Society Friday night at the Union at eight o'clock. Mr. James Lund, Superintendent of the Cochrane Chemical Works will give a talk about nitric acid.

It will be a convenience to the Society if tickets are bought in advance; they may be had from officers of the Society, price 20 cents.

Hockey.

The recent warm weather has damaged the Hockey rink somewhat, but it will be in good condition again in a few days. Lights are being put in, and the rink will be entirely completed before the game with Brown University next Saturday. Besides the regular games, there will be one or two practice games every week. The schedule before the mid-year exams. is as follows:

January 7 — Brown at Tech Rink.

January 11 — Harvard at Soldiers Field, Cambridge.

January 14 — Andover at Andover.

Summer Courses.

The Institute offers summer courses each year for the benefit of two classes of students: First, for those who wish to distribute their work over a larger portion of the year, or to gain more time for advanced work in their regular courses, and second for those who through illness or for other causes have deficiencies to make up. The summer courses are also open to students from other colleges who wish to make up deficiencies in order to enter the third or fourth years.

The requirements for admission to the courses are the same as those stated for the corresponding courses in the "Subjects of Instruction" of the Catalogue. In general, the fee is \$25 unless otherwise stated.

EAST BOSTON TUNNEL.

Civil Engineering Society.

There will be a meeting of the Civil Engineering Society on Thursday afternoon, Jan. 5, 1905. The meeting will be held in Room 22 Walker at 4.15 P.M. This meeting should be of especial interest to all those who took the trip through the East Boston Tunnel as the Society will be addressed by Mr. H. C. Carson, who was the chief engineer in charge of the construction of the tunnel. All members of the professional societies, as well as all other students, are cordially invited to be present.

Schedule of the Second Basket Ball Team.

January 7, Dorchester A. A. at Dorchester; February 11, Malden High at Malden; February 13, Harvard 2nd at home; February 18, Oliver Ames High at North Easton; February 24, Lowell Textile at Lowell; March 1, South Boston High at home; March 4, Thayer Academy at South Braintree; March 9, Boston Latin School at home.

There will be two more home games not yet scheduled.

Newport, R. I.

On the evening of December 31, Mr. J. H. Gardner, '04, entertained some Tech men at a barbecue. During the evening, toasts were proposed to the Institute and its continued independence. At the stroke of twelve the health of the Institute was pledged. Among those present were Mr. R. E. Bakenhus, '96; Civil Engineer U. S. N., G. H. Bryant, '83; Earl P. Mason, '97; G. S. Taylor, '04; F. M. Greenlaw, '90; K. C. Grant, '02 and A. S. Ackerman, '06. Tech songs and a cheer ended the evening.

Lowell Institute.

The Eighth Course by Prof. J. R. Lounsbury of Yale University on "The Transition Period in English Literature, From the Georgian Era to the Victorian," will begin on Friday, January 6.

The Ninth Course by Prof. W. T. Sedgwick of the Institute on "The Sanitation of Cities" will begin on Monday, January 9.