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FOOTBALL TEAMS DOING GOOD WORK

Both Classes Taking Much Needed Brace in Tug-of-War

FEW 1912 RELAY MEN

Sophomores Making Their Best Bid for Supremacy in Track Contest

Both football teams are out for practice every day, the sophomores at the oval adjoining the armory, the freshmen at the Field. Enough men have reported from both classes to permit the coaches to divide their men into two teams, playing one against the other. This method gives the players the best possible practice, giving them a chance to become proficient in scrimmage work as well as to become familiar with the regular routine of the game. The sophomores seem to have the system of open and fake plays down to a science, owing to the direction of their coach, Mr. Simons, a Princeton football star. The freshmen are working hard, the men show a good spirit and it is almost a certainty that they will score upon their opponents in the class contest on November 6. The team will probably be chosen the latter part of next week, and is expected to average about 160 pounds. The freshmen concede about ten pounds average to their rivals. What they lack in weight they should make up in agility, and an exceedingly interesting contest is to be anticipated.

Tug-of War

Enthusiasm on the tug-of-war teams seems to be taking a new start. Class interest, which was decidedly lacking the first of the term, has been revived and all the men out are going into the event with a good deal of energy. The number showing up daily on both the freshman and sophomore teams still continues to grow, and any man who has not yet presented himself should report to his manager at once. It is not too late, and by hard work the teams can be made. L. D. Nisbet, the sophomore coach wants fifty men to report daily.

Manager Woodward of the 1912 tug-of-war reports exceedingly good support. Between thirty and forty men are reporting daily and the coaches are developing good team work. Manager Lawrence of the 1911 tug-of-war is not having quite as good support from his class and the men are not reporting in large numbers. Twenty-five men are all that their team has been able to get out.

Chances of victory between the two teams, judging from the present condition and accomplished results, are slightly in favor of the freshman crowd. There seems to be a spirit of hustle and push among the 1912 men that is, as yet, lacking in their rivals.

Track

Yesterday afternoon the sophomore relay team confined their practice to passing the flag. Lack of proficiency in this part of the event lost the race for the 1911 squad a year ago, but this time, with the passing of the colors gotten down to a science and with two runners who won their T last year, 1911 should be able to come in at the finish in much better position. This afternoon the freshmen will be excluded from the track, and all sophomore candidates are urged to be present. Coach Kanaly will get a line on the team, which he hopes will break the field day record of three minutes flat made by 1906 and equalled last year.

The freshmen are still weak in numbers at the track and although a few come out regularly and work hard, the majority of the entering class don't seem to know where the Field is. Less than 14 men—the number required to make up a team with substitutes, show up for daily practice.

AUTUMN REVIEW OUT YESTERDAY

Institute News of Summer and Present Prospects Discussed

CHEMICAL THESIS WORK

Function of Technology Club Stated—Summer Schools

"The Technology Review" appeared yesterday. It contains a number of interesting articles on the New Union, investigations in the chemical department, steam turbine engineering, and other general news.

Besides giving an excellent description of the building, its location, and furnishings, the article on the Union tells how the building is run. The cuts shown are exceptionally good, especially the frontispiece of the lounging room.

During the last three months a number of important investigations in the chemical department have been made which deal with problems of today, notably that of Mr. R. C. Wint 1908, on the presence of manganese sulphide in steel rails, and that of Messrs H. E. Butsford and A. W. Clark on the "Influence of Temperature on Yield in the Destructive Distillation of Wood." Other articles treated are the results of the investigations of Professors S. P. Mulliken which will probably be published in 1909 as volume 3 of Dr. Mulliken's "Analytical Method," and those of Professor Woodman in the study of several important lines of food examination. Mrs. E. H. Richards has also taken up problems connected with the sanitary and commercial examination of water supplies.

The aim of the Technology Club is then dwelt upon with some length, and every man eligible is invited to join this institution.

The chapter on steam turbine engineering treats in a clear, concise manner the present status of the science at the Institute.

A report on the summer school of industrial chemistry shows that considerable ground was covered during the past year. Visits were made to manufacturing establishments in the neighborhood of New York and at various points in New Jersey and Pennsylvania, the trip extending as far as Pittsburg. In all, opportunity for inquiry and investigation was afforded in twenty-six different plants.

A brief description of the work of the members of the summer school in mining, affords a good insight into the work. The school was held last summer in Nova Scotia, the party visiting five different mines and plants. The party was smaller than usual but results were exceedingly satisfactory.

A new department of the Review has been introduced entitled "Tech Men in the Public Eye", which seems to be a good thing as it gives at a glance an insight as to what Tech graduates amount to when they are thrown on their own resources.

After a long and successful career as editor-in-chief of the Review, Mr. James P. Monroe 1882, has resigned and the magazine will now be managed by Isaac W. Litchfield 1885.

GOING TO WELLESLEY

Wellesley will see an influx of Tech cross-country men Saturday afternoon. The weekly hare and hounds run will be held there Oct. 17. The trail will be laid around beautiful Lake Waban and the race for home will be up Washington St. The course is about 5 miles.

Dr. Fitch of the Mt. Vernon Congregational Church, will be the speaker at the next meeting of the Tech Y. M. C. A. Sunday evening, Oct. 18, from 8.45 to 7.30, at the Union.

ADVISORY COUNCIL ANNOUNCES RULES

Field Day Provisions for the Conduct of Class Athletic Tests

GAMES BEGIN AT 2.15

Football Game—Relay Race and Tug-of-War is Order of the Events

Maj. Frank H. Briggs of the Advisory Council has completed the following regulations to govern Field Day.

Event I. A football game will start promptly at 2.15 P.M., between eleven men from each class. The game will be two 25-minute halves, with a rest of 10 minutes between the halves. Current rules governing Intercollegiate football games to apply. Football teams must be on the field at 2.10 P.M.

Event II. A relay race of a mile and a half to be run by twelve men from each class, each man to run one-eighth of a mile. The sequence of runners shall be assured by the passing of flags from man to man, the successive runner to be stationary, with one foot on the mark, when he receives the flag. The rules governing New England Intercollegiate relay races will apply. The relay race will be run immediately at the close of the first half of the football game and men must be on the field at once.

Event III. Tug-of-War: The number of men is limited to twenty-five from each class. No artificial means will be employed. Each contestant shall pull standing. The length of the pull shall not exceed five (5) minutes.

A tape shall be affixed at the centre of the rope and fifteen feet on each side of the centre tape there shall be two side tapes.

A centre line shall be marked on the ground, and fifteen feet on either side of the centre line, two side lines parallel thereto.

At the start the rope shall be taut, and the centre tape over the centre line, and the competitors shall be outside the side lines. The start and finish shall be the firing of a pistol.

The pull shall be won when one team shall have pulled the "side tape" on rope of the opposing side over the centre line, or at the end of five minutes, the team whose side tape is farthest from the centre ground line. The pull must be made within a "path" not exceeding fifteen feet in width.

No competitor shall wear boots or shoes with any projecting nails, springs

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TRACK FOR GYM WORK

Faculty Publish Notice of New Physical Exercise Scheme

In regard to the new scheme for substituting track work at the Field for the regular instruction in gymnasium, in the Freshman year, the Faculty has given out the following notice:

Those intending to substitute work at the Field for gym must report to Coach Frank Kanaly at least three afternoons a week, one of these afternoons being Saturday, and the other two optional. Mr. Kanaly will keep an account of all those submitting such work, and if the men do not show up will be obliged to report them to the office. Then the regular gym work will be taken up by those who did not report as they agreed.

The new scheme will begin next Thursday, and will continue until Dec. 1. As a special inducement every Saturday a special competitive event will be held, the first being a 100-yard dash, the second a 220, and so on.

Those men who wish to make this substitution must report to Mr. Kanaly at the Field by tomorrow, for registration.

NEW VOLUME BY PROF. MULLIKEN

Contains Valuable Data on the Identification of Dyestuffs

THESIS BY 1908 MEN

On Influence of Temperature on Yield in Distillation of Wood

Among the most important of the recent investigations in the Research Laboratory is that of Prof. S. P. Mulliken on a systematic procedure for the identification of organic compounds.

On account of their complexity of reactions and their varied and complex characters the carbon compounds are not easily identified by the ordinary system of qualitative analysis. It is in the interests of the scientist and the practicing chemist that these compounds should be identified as easily as possible. For this reason, Dr. Mulliken has devoted several years' thought and effort to this work.

Dr. Mulliken has already published two of a series of volumes along this line, the first of which appeared in 1904, "A Method for the Identification of Pure Organic Compounds." Since 1906 he has been perfecting a system of analysis for the detection of modern commercial dyestuffs. Undergraduates and assistants have aided him in this work, although by far the greater part has been accomplished through his own efforts. Dr. Mulliken hopes to give out the results of these investigations next year in a volume entitled "A Method for the Identification of the Synthetic and Natural Dyestuffs." It is confidently expected that this book will justify the great labor of editing it, by becoming of permanent value to all concerned with the study and reproduction of dyestuffs, and their color effects on textile and other fabrics.

An important thesis completed last year by H. E. Batsford 1908 and A. W. Clark 1908 was that on the "Influence of Temperature on Yield in the Destructive Distillation of Wood." The enormous

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JOINT DINNER HELD

Corporation and Faculty Discuss Student Welfare Problems

Corporation and faculty of Technology held a dinner last evening in the Union at which the problems of student welfare received primary recognition.

This is the first time that the two bodies of government have held a joint dinner and indicates the growing tendency at Technology for more consistent methods and closer touch with the students. Athletics, the new union, student government, and particularly the new point system for office-holding were earnestly discussed.

The members of the faculty present were: Prof. John Bigelow, Dean Alfred E. Burton, Prof. Charles Cross, Prof. Charles F. H. Currier, Prof. Davis R. Dewey, Prof. Dugald C. Jackson, Prof. Gaetano Lanza, Prof. Cecil H. Peabody, Prof. Robert H. Richards, Prof. Peter Schwamb, Prof. Henry P. Talbot, and Dr. Harry W. Tyler. The members of the corporation present were: Arthur T. Bradlee, Howard A. Carson, Thomas C. duPont, Frederick R. Fish, John R. Freeman, Francis R. Hart, Charles W. Hubbard, Charles C. Jackson, George W. Kittredge, Elliot C. Lee, Thomas L. Livermore, Frank L. Locke, A. Lawrence Lowell, Charles T. Main, Everett Moss, Arthur A. Noves, Robert S. Peabody, Wm. S. Putnam, A. Lawrence Ratch, J. P. Sewall, Richard H. Soule, Frank G. Stantiel, Charles A. Stone, Elihu Thompson, James P. Tolman, and Lucius Tuttle.