

WEST POINT WINS FENCING HONORS

Cadets Take Championship of Colleges for the Second Time

TECH WEAK IN FINALS

Two Army Men Lose One Bout Each—Knox Wins Five, Loring Two and Grubnau Two

West Point won the intercollegiate fencing championship last Saturday by a total of 29 bouts won to 4 lost. The Naval Academy was second with 21 victories and 12 defeats, Yale came third with 16 victories and 17 defeats, and Tech fourth with 9 victories and 24 defeats. The final contests were held Saturday night in the Squadron Armory, Madison avenue and 94th street, drawing a large crowd, including several hundred women. In the afternoon the first lot of bouts in the final series were



Capt. E. M. Loring 1909

fenced at the New York Turn Verein, where the preliminaries were held on the preceding evening.

R. Cocroft and R. Sears of the Army tied for the individual championship honors, as each went through the two days' play with only one defeat. Cocroft losing Saturday night after a hard bout to F. S. R. Brandt of the Navy, while Sears was defeated in the preliminaries by Smith of Yale. The third Army member, Sohlberg, was defeated twice, by Knox of Technology, and Brandt of the Navy. The winning team is the same that represented the Military Academy last year when the West Point cadets captured the title from the Naval Academy. Yale gave the Navy a hard fight for second place up to Saturday night, only being one bout behind the Annapolis cadets when the final series began, but they only succeeded in winning a single bout in the final contests. The fencers from the Institute of Technology, the fourth team to qualify in the preliminary bouts, scored nine victories. The teams and results of the day's bouts:

United States Military Academy—R. Sears, O. M. Sohlberg, R. Cocroft.

Naval Academy—F. S. R. Brandt, G. Bradford, H. R. A. Borchardt.

Yale—B. H. Smith, Z. C. Ross, J. W. Sanders.

Massachusetts Institute of Technology—V. C. Grubnau, H. G. Knox, E. M. Loring.

The results of the final bouts in the evening were:

Brandt, Navy, beat Knox, Technology;
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WORK OF VALUE IN CHEMICAL THESES

Investigation of Problems Now Puzzling World Of Industry

IMPORTANT SUBJECTS

Comprehensive Work of Chem Engineers in Laboratory of Industrial Chemistry

A number of highly important theses are now being carried on in the laboratory of industrial chemistry by men in Courses V and X.

L. J. D. Healy is making a thorough study of acid-proof materials, which may be adapted to coating, tanks, and vats, constructed of reinforced concrete. The rapid increase in the use of concrete in chemical plants has created a demand for such information as this thesis will provide.

J. A. Christie is devising a new method for treating irons previous to its being coated with acid and alkali-proof enamel, with a view to preventing the flaking and clipping incident to this kind of work. There exist two empirical methods, the action of neither of which has been investigated, nor is it at present understood.

The recognition which is being accorded devices for automatically showing the composition of flue gases, as a factor in the economical apparatus of large power plants, makes desirable the design of a less expensive and more durable device for this purpose. Bradley Dewey is perfecting a method and apparatus for analyzing flue gases, based upon the changes in specific gravity of the gas.

C. L. Campbell is devising a new method for determining the continuity of zinc coating upon galvanized iron. The only method now available contains a serious, though unavoidable, source of error, which renders it very untrustworthy.

H. W. Paine is determining the efficiency of the newly installed Howard Dust Chamber, at the works of the Merrimac Chemical Co., at North Woburn. This investigation demands the design and construction of a more delicate method of analytically determining the amount of dust in moving gases.

J. J. Elbert is investigating a new reaction for the commercial production of caustic soda from salt cake, which is waste product. The reaction requires a specially constructed furnace, which Elbert has devised.

Thornwell Fay, Jr., is working upon the influence of dissolved oxygen in boiler feed-water upon the corrosion of boiler tubes and shell. He is investigating a number of the large power plants, paying special reference to the effect of open and closed feed-water pre-heaters upon boiler corrosion.

C. M. Pritchard is studying the relative influence of calcium magnesium in glass upon its physical properties. The lime used in making window, plate, bottles and such glasses, frequently carries large quantities of magnesium, which introduces variation in the glass, not as yet understood.

A complete list of the Course V and X theses will be given later.

FR. LECHY TO SPEAK

Rev. Fr. George V. Lechy will address the Catholic Club Tuesday evening at 8.00 P. M. in the Union, on the Darwinian theory. Father Lechy is professor of Science in the St. John's Seminary at Brighton, and is well qualified to speak on the subject.

Students have heard many talks advocating the Darwinian theory, but this will be the first one at which they will be able to hear the other view of the theory discussed. It is certain that all are interested, and an invitation to attend is extended to everybody.

F. M. HEIDELBERG,

President.

CLASS BASEBALL SCHEDULES READY

Freshmen and Sophomores Begin Their Practise This Week

MANY TRIPS ARRANGED

Sophomore Team is to Meet Fast Harvard Freshies Which is An Innovation

With an excellent schedule of twenty games, including several long trips into New Hampshire, Captain L. G. Odell issues a call for candidates for the 1911 baseball team today. Manager T. McLaughlin has been working hard, with the result of getting out one of the best schedules that a Tech sophomore aggregation ever faced. He has been especially fortunate in securing a date with Harvard 1912, and it is believed that this will be the first time a Tech class team will have played the Harvard freshies.



MANAGER THOMAS McLAUGHLIN 1911

Nearly all of last year's team are back, and things are looking rosy for 1911. A new find has been discovered in C. L. Hufsmith, who was formerly captain of the Austin College, Texas, nine. The first practise will be held today at 4.00 o'clock, and the following men are expected to report: A. W. Yerrance, H. C. Soule, A. E. Schatz, L. le Floriez, P. S. Hopkins, P. A. Cushman, F. A. Wood, M. B. Brownlee, R. N. Doble, G. B. Forristall, R. H. Gould, and C. H. Johnson.

The schedule:

April 9—Volkman at Allston.

April 10—Winchester High at Winchester.

April 14—Malden High at Malden.

April 17—Freshmen at home.

April 19—Newton High at Newton.

April 20—Freshmen at home.

April 21—Woonsocket High at Woonsocket, R. I.

April 24—Norwood High at Norwood.

April 26—R. M. T. S. at home.

April 28—Harvard Freshmen at Cambridge.

May 1—Brewster Academy at Wolfboro, N. H.

May 5—Dean Academy at Franklin.

May 7—Brookline High at Brookline.

May 12—Dedham High at Dedham.

May 15—Lowell Textile at Lowell.

May 15—M. A. H. S. at home.

May 22—New Hampshire State College at Durham, N. H.

May 25—Freshmen at home.

May 29—Stearns School at Mt. Vernon, N. H.

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COURSES TO MEET IN RACE SATURDAY

Annual Race Over Tech-Harvard Course—Civils are The Favorites

C. P. ELDRER WINS RUN

Hare and Hounds Hold Weekly Run Over New Course Laid Out by Capt. Jacobs

Plans are fast being completed for the intercourse cross-country race, to be held April 3, over the regular 4-1-4 mile course.

The race is held primarily to give the men experience in actual racing, and to strengthen the men. Coach Kanaly will soon put on special training for the distance events on the track team.

The thirteen courses have been divided into four groups, according to the subjects taken by the men. Thus the Civil and Sanitary engineers will be united under Capt. Jacobs of the cross-country team; the Electrical and Mechanical engineers under chase-captain Eldred; the men of all Chemical courses under former chase-captain Stephenson, and the remaining courses under ex-capt. Ellis.

Last year the race was won by the Civil engineers, by a small margin, over the Chemical courses; and the prospects are that the same course will win this year. Howland, the Tech distance man, Capt. Jacobs, and McCarthy, the 2-mile star, being in the course.

Besides the star men named above, Capt. Jacobs has the following three good men: Watkins 1912, Van Alstine 1911, and Batchelder 1909. C. P. Eldred, captain of courses II and VI, has great hopes of winning the race with the following: White, MacCreadie, Huber, West, Tuller, Magee, Jenks, Ferry, Cartwright and DeWitt.

The hopes of the other captains are based on the chance of having some good freshmen in their respective courses.

Judging from the recent hare and hounds runs, the most promising freshmen are: Benson, Watkins, Cartwright, Ballard, Morrill, Rhodes and Tuller.

The race will start at the Highland Station at about 3.15 P. M., and finish about 3.40 on the track at Tech Field, Brookline.

At Needham last Saturday the hare and hound club ran over a new course, over a distance of seven miles. The course is one which was laid out by Capt. Jacobs, and its character is almost ideal. As it is practically the same as the Intercollegiate course, at Princeton, it will probably be used considerably by the varsity team in their training.

On the run Saturday the fast squad led by Capt. Jacobs set such a fast pace that they gained six minutes on the hares, who were V. V. Ballard 1912, H. G. Jenks 1911, and J. D. MacKenzie 1911. The bags were found by C. L. Tuller 1912, H. G. Watkins 1912, and Foster Russell 1911.

The half mile race for the finish was close and exciting, with chase-captain C. P. Eldred 1911, winning first place, with H. G. Watkins 1912, a close second; Capt. Jacobs was third. The next five men to finish were as follows: K. Cartwright 1912, R. D. Van Alstine 1911, C. L. Tuller 1912, R. E. Whipple 1912, and J. N. Stephenson 1909.

CALENDAR

MONDAY, MARCH 28.

10.00 A. M.—Talk on Submarines.
3.00 P. M.—Track Work at Field.
4.00 P. M.—1911 Baseball Men at Field.
4.00 P. M.—Show Chorus Rehearsal.
8.00 P. M.—Catholic Club.

TUESDAY, MARCH 29.

4.00 P. M.—Show Principals' Rehearsal.
4.22 P. M.—Cross-country men leave Back Bay Station.