

THE TECH

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PRICE ONE CENT

FITZWATER DECLINES CLASS DAY COMMITTEE

Election Of Marshals Will Be Held By Ballot Until Next Thursday

F. F. BELL	77
K. D. FERNSTROM	70
A. A. GOULD	68
P. D. TERRY	62
M. W. TILDEN	62
B. REYNOLDS	57
J. AVERY, JR.	56
C. C. HIELD	54
J. S. SNEDDON	53
H. LOCKETT	51
H. S. CLEVERDON	44
W. J. O'HEARN	44
F. A. HURLEY	4
H. C. MANSON	41
M. S. CHAPIN	40
R. S. BREYER	39
E. STUART	38
C. F. DOBLE	37
D. V. WILLIAMSON	35
W. M. SCHOFIELD	35
N. S. SEELEY	31
P. W. BURNHAM	33
F. A. DEWEY	32
C. C. WEBB	29

Although elected by the highest vote to the Senior Class Day Committee, John M. Fitzwater has declined to take the office. Fitzwater notified the president, R. F. Goodwin, to this effect, upon hearing of his election last night.

The total vote cast was 108, of which 95 went to one man. The three highest in this election are not the marshals of the class as the general opinion at present seems to indicate. Next Monday ballots containing the names of these twenty-four will be mailed to each member of the class. Three men will be voted for, and the three standing highest will be the marshals.

The men whose votes were over twenty, but who did not make the committee are: D. Clapp and W. B. Hargraves 28, Gorton James 25, J. W. Northrop, Jr., 24, P. T. Harris, E. M. Potter, A. P. Truette, and B. S. Wolgemuth 23, W. R. Waldo 21.

PENN. CLUB HOLDS DINNER

Dr. Sharp Relates Arctic Trip Of Peary In 1891

The Pennsylvania State Club convened last evening in the Union, and after participating in an informal dinner, listened to Dr. Sharp of Brooklyn who related an account of a trip to the North with Peary in 1891. This Arctic Expedition was financed by the Academy of Natural Sciences in Philadelphia. Dr. Sharp was at that time director of the institution, and before him Peary laid his plans. It was Peary's intention to land in North Greenland and determine whether Greenland was an continent or not.

The expedition started from Brooklyn in the spring of 1891. The vessel, "The Kite," was a three-masted schooner, built of strong oak timbers, especially designed to withstand concussion from ice floes. The crow's nest at the top of the fore mast was in the form of a large cask. In this nest was the director of the ship stationed whenever the vessel was in a precarious condition, and he directed the pilot below him as to the course to pursue. At Sydney the "Kite" coaled to the

(Continued on page 2.)

HARE AND HOUNDS AT WAKEFIELD TOMORROW

Third Run Of Season Over New Course--Fast And Slow Squads

The third Hare and Hounds run is at Wakefield. The train leaves North Station at 2.14 and the round trip fare is 30 cents.

Captain Watkins laid out the course which runs about seven miles, starting from the Y. M. C. A. Almost the entire length is over good turf and meadow land, with only one stiff hill. There are no fences to raise havoc with the runners' scanty clothing, and almost no hard macadam.

Coach Kanaly and others who have been over this new course pronounce it excellent, and much like the Princeton course. For this reason, it has been suggested that the training for the Intercollegiate be done here.

The men will have the use of the showers at the Y. M. C. A. and they will undoubtedly appreciate them fully with the vivid remembrance of that icy thread of supercooled tap juice which greeted them at Needham last Saturday after the run.

The train service is also more satisfactory, although leaving from the North Station is less convenient for many.

Two squads will be run, provided enough fellows show up. This will be the first time this season that the men have been divided, but it must be done in order not to hamper the team candidates by adjusting their pace to that of the slow men.

The finish is mostly on macadamized road, although the last six hundred yards is over grass. As usual the race starts one-half mile from the finish.

Coach Kanaly was expected to go on this run, but he was prevented by a slight injury to his foot. Since track work will soon take up his entire time, he may not be able to go on any of the runs this spring.

LECTURE BEFORE CHEM. DEPT.

Dr. Whitney Describes Investigation On Incandescent Lamps

Researches connected with the incandescent lamp were discussed yesterday by Dr. Whitney as an example of scientific investigation along some specialized line of work. He told how one factory manager complained that he could not get any research men to work with the incandescent lamp because they considered it of not sufficient interest; merely a glass bulb with a vacuum and a filament; the whole thing completely determined and nothing left to find out. However, far from being true, this old point of view is exactly opposed to the actual facts. Years of research have not more than "scratched the back" of the subject of the carbon filament alone. Innumerable physical and chemical problems connected with the incandescent lamp are awaiting solution.

After the invention of the carbon lamp, the first subject to come up for investigation was the cause of deterioration, and the effect of varying conditions on the rapidity of this wearing out. It was found that the primary cause of the decrease in efficiency of the lamp was the blackening observed on the bulbs. On investigating the cause of this blackening, it was found to be due

(Continued on page 2.)

E. E. SOCIETY HEARS PROMINENT ENGINEER

P. N. Nunn Speaks At Complementary Dinner Given By Prof. Jackson

Last night the Electrical Engineering Society enjoyed a dinner at the Union at the invitation of Professor Dugald C. Jackson. There were seventy-five men present. Announcement was made at the dinner that all nominations for offices in the society must be handed in within two weeks. The committee in charge of these nominations will soon be appointed by the chair. The next meeting of the society will be held next Tuesday and will be open to all Institute men. At this time Professor H. W. Smith will give an illustrated talk on his recent trip to the South Sea Islands.

G. W. Rae 1910 introduced as the first speaker of the evening Prof. Jackson, who emphasized the imperative need of thorough mastery of the ground work of engineering. The more specialized work is not so essential and should not be allowed to distract the student's attention from the fundamental studies.

The main speaker of the evening was Mr. P. N. Nunn, the engineer and designer of the first high tension transmission line in the country and now chief engineer of the Ontario Power Company at Niagara.

Mr. Nunn said that, in all his experience with Tech men, he had never yet had one who had failed. However, as the men came from the Institute they were unfamiliar with certain appliances used in most business firms. For instance, one man did not know the use of a time book; another had never before seen a vertical file drawer. In the proper keeping of records, the Institute man passes through three stages. First he gives his results verbally, then by calculation, and last graphically. Graphic methods are very useful and helpful in many cases.

There are two methods of acquiring knowledge; by theory and by practice. The man in engineering practice is apt to do things merely from habit; the college man is apt to be a trifle slow in seeing the application of his theories. Engineering work is apt to be narrowing in its effect, and the student should always strive to maintain a broad viewpoint. The knack of writing letters is very rare among engineers. It is seldom that manuscript is found really well written. Their letters are not illiterate, but sloppy and vague. An aim of the engineer should be the proper use of specific words conveying but a single idea.

It should be the desire of all engineers to differentiate themselves from their fellow-workers. Their ideals should be their hobby. A man is remembered not so much for his head as for his heart.

Mr. Nunn was unanimously elected an honorary member of the Electrical Engineering Society.

ARCH. SOCIETY SMOKER

Last night (March 24) the M. I. T. Architectural Society gave an informal smoker, to which all of the Tech Alumni of Course IV who live in or near Boston have been invited. Some of the most important architects of Boston were invited and many of them accepted. The meeting was a great success, and the men who attended had a most pleasant time. The smoker lasted from eight until about ten thirty.

SOPHOMORES NOT SUPPORTING BASEBALL

Several Promising New Men But Last Year's Team Do Not Report

After a week of active practice at the Field, only four or five of last year's team have reported for Sophomore baseball. This is particularly discouraging in view of the fact that the freshmen have a large squad of promising candidates, including several former high-school stars. The quarter part of last year's men are still in the Institute, but they seem to have lost interest in their class. The management urge all these men to come out at once since there remains but ten days before the first game of the season with Volkman at Allston on Tuesday, April 5.

A number of new men are coming out regularly, and several of these are likely to make the old men work hard for their places.

The team is fortunate in securing the services of Mr. A. J. O'Connor, of the New Bedford nine, as coach. Mr. O'Connor is a player of reputation and is working hard to bring the squad into shape for the three games with the freshmen. New bags have been bought and the diamond at the Field has been greatly improved, and will be rolled soon. Practice is held on Mondays, Wednesdays, and Saturdays at the Field between three and six o'clock. The greatest efforts have been directed toward the improvement of batting and the team promises some strong stick work later in the season.

Allen and Sloan of last year's team are showing good form in the box. Other twirlers are Hopkins, Sage, Bird, Pruyn and Jones. Jones played on Yale's college team last year.

Behind the bat, Captain Taylor is receiving the ball in excellent shape, holding all the swift ones with ease. Whittlesey, another probable candidate for the backstop position has not yet reported.

On the first bag are Lawler and Forrester. Torrey who held down this cushion last year is expected to come out in a few days.

The following list includes the candidates who have already reported, or are expected to report shortly:

Batting candidates:—V. W. Allen, J. I. Taylor, M. W. Hopkins, B. V. Reeves, V. G. Sloan, W. C. Bird, C. C. Jones, N. M. Sage, and K. Pruyn.

Infield candidates:—R. C. Foster, E. M. Tolman, G. B. Forrester, W. J. Maguire, F. T. McAvoy, B. Torrey, A. Eicher, H. O. Maxwell, and T. B. Lawler.

Outfield candidates:—H. Coulson, R. B. Stone, B. V. Reeves, M. W. Hopkins, and V. W. Allen.

CALENDAR.

Friday, March 25.
1.00—Tech Board meeting.
4.00—Crew Practice.
4.15—Gym. Team Practice.
8.00—Union Entertainment.
Mr. Gettemy, Director of the Census.
Saturday, March 26.
2.14—Hare and Hounds at North Station for Wakefield.
2.30—Combined Show Rehearsal.
3.00—Crew Practice.
3.00—1912 Baseball practice.
Monday, March 28.
3.00—1912 Baseball at Tech Field.
4.00—Crew practice.
5.00—News Board meeting.
Musical Clubs in Peabody.
Tuesday, March 29.
4.00—Crew practice.