

# THE TECH

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## CROSS COUNTRY RACE TOMORROW

**Technology's Prospects for Victory Better Than Ever Before**

### GREAT ENTHUSIASM

**Two Hundred Students Cheer Team as it Leaves for Princeton**

With a rousing sendoff by more than 200, the cross-country team left the Back Bay station at 6:04 o'clock last evening on its journey to the intercollegiate run at Princeton. Led by Carl W. Gram 1909, president of the Athletic Association, the crowd cheered from 5:30 o'clock until the train passed out of the station.

The team, each individual member, and Capt. Ellis and Coach Kanaly were cheered again and again. "Dear old M. I. T.," "The Cardinal and The Gray" were sung and resung, and all joined in the singing of the "Stein Song" with bared heads.

The seven men taken were Capt. R. Ellis 1909, H. H. Howland 1909, J. F. McCarthy 1909, C. P. Eldred 1911, L. O. Mills 1910, J. N. Stephenson 1909, and E. Jacobs 1910. Manager K. D. Fernstrom 1910, and Coach Frank Kanaly accompanied the team.

Just before the train pulled out, Coach Kanaly said, "The fellows have been doing remarkably good work this season and the times made in the trials and practice runs would indicate that Tech has the fastest team this year it has ever had. Had this team been running at Princeton last year I feel sure we would have secured at least third place."

The men have already run two hard races as a team and have been training together since the middle of October. This has made a wonderful difference in the "esprit de corps" of the team. All are in the best of physical condition and though they have the proper amount of confidence in their ability as a result of the recent races they are not swell-headed about it. Coach Kanaly has given the men a great deal of careful attention and they have followed his instructions to the letter. Ridsdale Ellis has proved himself an ideal captain, putting whole-souled interest and energy into the work. He has inspired the men with an enthusiasm not often shown by Tech men. Besides this there is a certain determination on the part of every man to run till he drops and the chances are that the majority of the team will finish in better position than the first Tech man to cross the line last year. Putting Howland, who has more than a fighting chance for first place, in a class by himself, the rest of the team is remarkably well balanced and should finish at least with not more than fifteen men between the first and last of them.

Four of the team, Ellis, Howland, McCarthy and Stephenson, have already

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## CAPT. GRAM PRESIDENT

At the meeting of the M. I. T. A. A., Thursday afternoon Carl Gram 1909, was unanimously elected president of the association. K. D. Fernstrom 1910, was elected vice-president. P. D. White 1911, was elected secretary-treasurer. For the undergraduate representatives on the Advisory Council the following were elected: H. E. Whitaker 1909, R. Ellis 1909, and J. Avery 1910.

It was decided that there should be no eligibility rules barring men from competing on Tech teams who have formerly been on other college teams.

The A. A. then discussed athletic fees and also varsity baseball. Kelly was appointed to take charge of the latter question temporarily and to receive names of persons interested in varsity baseball.

## SHOW DINNER IS TOMORROW NIGHT

**Francis-Joslin-Prof. Jackson H. S. Webster and others to be Present**

### GOOD LIST OF STUNTS

**Songs and Dances by Stars of a Number of Past Shows**

Preparations are now nearly completed for the big Tech Show dinner tomorrow night. Coach Francis is coming on from New York to speak, and the dinner promises in every way to be another big success. Although the Show Dinner has the reputation of being the best, and of drawing the largest crowd of any similar affair, the management expects to excel all previous efforts. This will be made possible by the facilities of the new Union.

An especially attractive list of stunts has been picked for tomorrow night. Among these are included Tetaurovigno's song Tesora Mio, from last year's show. Belden and Count, as Helen Sealythe and Capt. Shakewell, will give their song and dance. Jacobs as Marjorie Starling, and Hield as Fred Wilmerdede, will sing "Pouring Tea," from "Over the Garden Wall," and Hield will render the title song of the piece. "The Freshman" will be represented by Schofield, who will do some of his old stunts.

It is hoped that Rinker Kibbey will be able to attend, as he has made a hit in former shows.

Besides Francis, Professor Jackson and E. Webster, president-elect of the Alumni Association, are to be present. Joslin will explain the object of the show, for the benefit of new students, and will speak of the rules governing the poster and management competitions. For the first time, the envelope containing the name of the successful author will be opened, and his name and the name of the show will be made public.

The poster competition will begin immediately after the Show is announced. Francis will meet all the men who intend to do any work on the lyrics at the Show office, Saturday afternoon.

Everyone who enjoys music and a good time should be at the Dinner tomorrow night. From 6:30 until the last song, there will be something doing every minute. The freshmen especially should go and get in touch with the biggest social activity in the Institute, The Tech Show. In order that the management may know how many plates to order, they desire all who are going to get tickets as soon as possible.

### GLEE CLUB CONCERT

More than fifty men made the trip with the musical clubs to Newtonville, Mass., last night, on the occasion of the first concert given this year. The concert was a grand success, several features introduced by the Glee Club, meeting with the special approval of the audience.

## NEW APPLICATION OF VIOLET RAYS

**Induction Coil With Thirty Inch Spark Furnishes Light for Process**

### SKIN DISEASES CURED

**Dr. Kalmus Effects Remarkable Cure on Patient whose Disease Baffles the Profession**

Attention has recently been called to the chemical effects of ultraviolet light by a rather remarkable cure which has been effected by Dr. Kalmus of the Physics Department of this Institute. The patient treated was suffering from a large, open maturing sore on the shoulder, the diagnoses of which was disagreed upon by the physicians in attendance. However, they decided that it was of the nature and the form of lupus. The sore was unaffected by the ordinary forms of treatment available in this vicinity, including the X-rays and surgery, and the sore was gradually increasing in size. Dr. Kalmus brought about a complete cure, however, by the prolonged action of the ultraviolet light falling on the diseased part of the shoulder. Another case is at present being treated which was brought from one of the Boston hospitals where it was pronounced incurable, but the improvement under the ultraviolet treatment is going on rapidly.

The source of light used is the spark of a large induction coil capable of giving a thirty-inch spark. The electrical circuit is so arranged that the energy is condensed into a spark only a half inch long, and also in such a manner that only a very little heat and consequently a very large amount of light is given off.

In Copenhagen, lupus is being cured by the "Finsen Ray," which is ultraviolet light from an arc, quite different from the spark described above. This form of treatment has not come into general use in this country, although there are many cases which would doubtless yield to it and for which very little has been done by other known means.

These results have led to extending the effects of the ultraviolet rays on chemical reactions, in which Dr. Kalmus is being assisted by Dr. Sidis and Dr. Nelson of this city. The work now in progress consists in determining the effect which occurs on varying the metals between the spark produced, on varying the constants of the electrical circuit, and in determining the wave length of the light which causes these effects and the chemistry of the changes brought about.

### E. H. S. TO REORGANIZE

Yesterday noon 40 English High School graduates gathered and selected a committee to reorganize the old E. H. S. Club, which disbanded three years ago.

This committee consists of Trenthardt 1909, Jones 1910, Van Syckle 1911, and H. D. Kemp 1912. Another meeting is to be held Tuesday noon in Rogers building.

## "BANANA LAND" SUBJECT TONIGHT

**Illustrated Talk on Jamaica to be Given at Union Entertainment**

### GIVEN BY G. E. PUTMAN

**Improvement in Singing Made in Past Week to be Feature of Gathering**

At the "Union night" entertainment this week, George E. B. Putnam, editor of the Boot and Shoe Recorder, will speak on "What I Saw in Banana-land." The subject concerns the island of Jamaica, and Mr. Putnam is eminently well fitted to lecture on it.

He has made two trips to the island and with camera and note book has spent many months getting interesting and unique pictures and stories of this beautiful land of summer.

His second trip was made immediately after the Kingston earthquake, and one of the most interesting parts of Mr. Putnam's picture display will be that which includes views showing that city, first in all its beauty and life, and then lying in ruins after the shock.

The whole talk is full of humor, with here and there a touch of pathos, for Mr. Putnam has looked at his people, not with the cut and dried ideals of the lecturer, but with the larger and enthusiastic eye of the genial American business man on a holiday in new lands.

During the past week, organized singing has been going on daily at the Union, in the lunch hour, and already a marked improvement has been noticed in the singing. It is hoped that many of the men who have been practicing thus will be at the entertainment tonight to help out in the singing, both before and after Mr. Putnam's talk.

As usual, there will be light refreshments served afterwards for a small sum to those who desire them, but there will be no entrance charge to the entertainment, which is open to the whole Institute, and which it is hoped will be largely attended so that "Union Night" may be put at once on a permanent and successful basis.

### BOXES FOR GRINDS

Grind boxes for Technique have been placed in Rogers corridor, directly beneath Technique board, in Eng. A corridor and in the Union, near the cigar counter.

A prize of five dollars will be awarded to the one who hands in the best collection of grinds. The idea of the boxes is to create the habit of writing and dropping good jokes in the boxes immediately after they have occurred.

### CATHOLIC CLUB

Joseph O'Neil, president of the Federal Trust Company, spoke of the arduous character and excellent opportunities for public office holding at the Catholic Club meeting, Tuesday.

Raycroft Walsh 1912, was elected the freshman representative on the executive committee of the club.

### CALENDAR

FRIDAY, NOV. 20.

4:00 P. M.—Lyric Competition, Room B, Union.  
4:15 P. M.—Mandolin Club rehearsals.  
6:30 P. M.—Bible Class at the Union.

SATURDAY, NOV. 21.

2:00 P. M.—Mechanical Engineering Society leaves for the Charlestown Navy Yard.  
7:00 P. M.—Tech Show dinner at Union.

SUNDAY, NOV. 22.

6:30 P. M.—Y. M. C. A. at the Union.

### BULLETINS FROM PRINCETON

The Tech has made complete arrangements to have the results of the intercollegiate cross-country race at Princeton tomorrow telephoned here directly after the finish and these will be announced in the social room of the Union as soon as received. As much difficulty might be encountered in getting open wire at such a busy time arrangements have been pushed in advance and The Tech is assured by the telephone company that the news will be received without delay. The race is scheduled to start at 3 P. M., so that, barring accidents, the bulletins will be read at the Union at 4:45 P. M.