

# THE TECH

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TUESDAY, NOV. 28, 1911

### IN CHARGE OF TUESDAY ISSUE.

EDITOR—Pastene, A. J., 1913.  
 Associates—Adams, B. E., 1915; Eisenberg, S., 1915; Smith, C. L., 1914.

The Undergraduates certainly showed up strong on the cheering game at the Cross-Country race at Froogline Saturday morning. The cheering was well placed and helped the team materially. Five more points and the team would have finished in third place, and that is surely as much as the most optimistic could expect. If the men will show as much spirit in their support of the Hockey and Basketball teams all will be well.

The Orchestra has been officially recognized by the Institute Committee and have settled their difficulties with the Musical Clubs in regard to the Winter Concert, so that it seems that now it is just up to the individual members to get together and show their appreciation for what has been done for them by giving Technology one of the best Orchestras ever. If the men get together and attend the rehearsals conscientiously, and if the men who play, and are not now connected with the Orchestra, will come out and show what they are worth, we will surely be able to point with praise to our Orchestra.

### COMMUNICATION.

The Editor of THE TECH:  
 There are gathered in the Union, between the hours of one and two at noon, about two hundred men. After eating in the dining room and outside cafés these students, who have been busy for four hours in recitations, lectures and the like, come to the living room for a little recreation. Here recreation is a misnomer. It consists of arranging themselves quietly, neatly, upon the green cushioned seats along the wall and disporting decorously with unobjective small-talk, and timid and infantile banter. Some are languidly puffing at young "spikes," and some are not. Some try to look cheerful and others try to act bored, usually the "spiked" contingent. Those who are seated remain seated, for seats are at a premium. The others, must perforce drape themselves gracefully over chair arms or decorate the floor. No one is at ease but the three men in the centre of the

## AERO CLUB MEETING YESTERDAY AFTERNOON

Excellent Talk by F. W. Caldwell On "The Efficiency of Propellers."

An important meeting of the Aero Club was held yesterday at 4.15 o'clock, in Rogers. The attendance was probably the smallest at any meeting this year, there being but twelve members present. After the usual secretary's report Mr. Caldwell gave a short talk on the "Efficiency of Propellers."

Mr. Caldwell emphasized a few points in the construction of propellers which gave the maximum efficiency to a certain limit. The head resistance increases very rapidly, and for this reason the propeller must not be too large, as an increase in diameter also means an increase in thickness and weight. The thickness of the blades is determined by the strength.

The pitch of the screw has been investigated by experts for years, and it involves very great complications. A percentage of 15 for the total slip means the maximum efficiency of the propeller. The only difficulty is to find the diameter of the propeller which will give this maximum efficiency. Mr. Caldwell gave an excellent talk on this topic, and it was appreciated by all the members present.

It was voted unanimously that only those who showed their interest by regular attendance at the meetings should be retained as members. On December 7 the American Society of Mechanical Engineers will hold a meeting and a talk will be given on "The High Speed of Gas Engines." The Aero Club has been invited to be present at this meeting.

The next meeting will be held two weeks from Monday, on December 18th. Luzerne Custer will give a talk on the "Various Methods for Testing Propellers," and also some of his own personal and daring experiences in balloon races in his home town in Ohio. Mr. Custer is the inventor of the statoscope, an instrument for recording the rise or fall in a balloon, and his talk will undoubtedly be of great interest to all.

### COMMUNICATION.

(Continued from Page 2.)

floor space, who are hilariously discussing some imaginary debauch, or who are indulging in horse-play. Some atmosphere, eh? And it is usually hazy with cigarette smoke

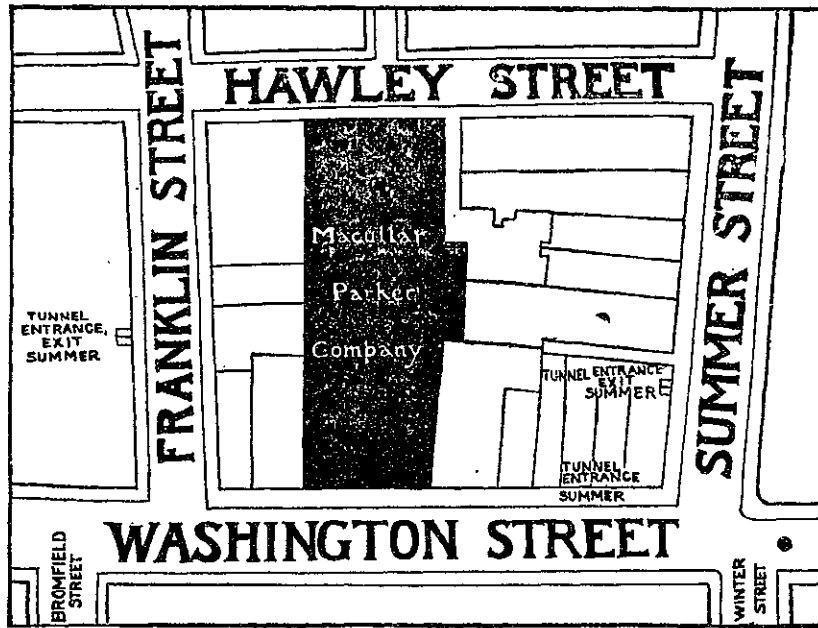
Soon some one will gravitate to the piano and give a rendition of some ragtime or a demoralization of some opera. About three men will appear politely interested, the three leaning against the post beside the piano. At about 2 o'clock the crowd thins out and is soon gone. Recreation? Not at all,—only passiveness, dormancy.

A remedy,—huh? Sure!  
 Why doesn't some live pianist come on the scene, swing himself down before the piano and play something we all know? Not your abominable rag or your stale symphony in harmonic mechanical motion. Let him make the old piano sing a Tech song,—"The Cardinal and the Gray," "Retrospection," "The Dear Old M. I. T." Why not? Why not have the fellows singing the songs that have meant so much to so many loyal men and true, men who have studied, endured and accomplished? The phrases and tunes will send a thrill through the spine of many a man—will stiffen it in anticipation of the afternoon's work, and will provide in our crowded Union a convenient and undeveloped medium for the promulgation of good fellowship. The first man who will play the songs that sound so good to us will receive the gratitude of the "good fellows" and those who want to be.

"Empe," '14.

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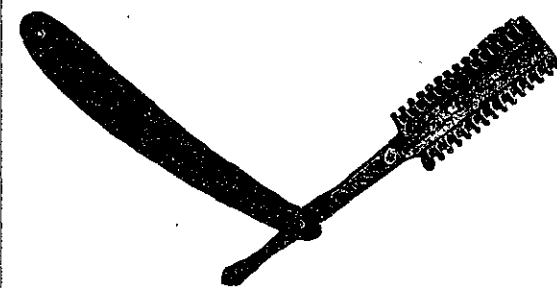
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