

# THE TECH

## DAILY

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### TECH LOSES TO HARVARD IN HOCKEY

#### In Fast Game Harvard Scores 4 to 1--O'Brien Shot Only Tech Goal

The Technology hockey team received its first defeat yesterday afternoon at the hands of the Harvard aggregation. The final score was four to one. At one time it looked as if the game would have to be cancelled on account of snow, but the sky cleared up in a short time.

The Technology team played a fairly consistent game and passed well but they were not as fast on their feet as the Harvard men. The game was singularly free from any rough playing and at no time was any player ruled off the ice. The shooting on both sides was poor.

Technology's only score came in the first period. The forwards got going down the ice and the puck was passed to Capt. O'Hearn who scored with a fine shot. Harvard made three tallies in the first half and one in the second. Duncan scored two of these with fast shots, and Wigglesworth and Leslie secured one apiece. The Harvard men frequently tried to take forward passes and several times the puck had to be brought back and faced off. The second half of the game was played much faster than the first, and the Technology men, especially, showed more speed.

Capt. O'Hearn and Billings played good games for Tech, and Wigglesworth and Duncan for Harvard.

The line up was:

Technology.	Harvard.
O'Hearn (Capt.), f	Gardner
Stucklen, f	Duncan
R. Gould, f	Wigglesworth
Sloane, f	Leslie
A. Gould, c p	Foster
Billings, p	Huntington
Hurly (Polhemus), g	Smart

Score—Technology 1, Harvard 4. Goals—O'Hearn 1, Duncan 2, Leslie 1, Wigglesworth 1. Time of Halves—20 minutes and 15 minutes. Referee—Dr. Goodrich.

### WRITE FOR TECHNIQUE

Considerable work has been done for Technique during vacation by the various members of the board. The questions for the statisticians department have been printed and will be distributed to the Junior class to-morrow at the close of the Political Economy lecture.

The Professor's department is nearing completion, and the first installment of copy for the printer will be sent down Jan. 15th.

Very few histories have been handed in, in spite of the easy method of writing that has been started this year. All men who have any idea of writing a history must have a few pages in by next Wednesday at the latest, after which no other work will be considered. No one has handed in anything for 1910, and most of the men who promised to do something to help themselves and Technique, have not been heard from. The history editor is willing to do anything to help or advise the prospective authors.

Pictures of all athletic teams and many individuals are being made at Marceau's and the Senior Class picture will be taken on Roger's steps next Tuesday at one o'clock.

More grinds are needed and art work is always welcomed.

### 1910 CERTAIN TO BE A PROSPEROUS YEAR

#### "Business Barometers" Subject Of Interesting Lecture By Mr. Babson

Cheer up, Seniors! All indications point to the fact that the present state of business prosperity will certainly continue throughout the year 1910 at least. What is to become of the men who graduate in the next few succeeding years depends largely on the extent to which prosperity increases during this year. Too large an increase means a much more rapid approach to an inevitable period of depression.

A very interesting lecture on Business Barometers was given before the Civil Engineering Society yesterday afternoon by Mr. Roger W. Babson, '98.

Although a graduate of the Course in Civil Engineering, Mr. Babson has been engaged since leaving the Institute in statistical work. There are two distinct classes of statistics. Comparative statistics deal merely with superficial past conditions and would furnish an excellent means of guiding present business operations were market conditions to remain stable. Such statistics determine simply actual values, and indicate principally a choice between two or more possible investments. Market conditions so seldom remain stable for any length of time, however, that a more detailed study of underlying principles is necessary.

Fundamental statistics deal with fundamental conditions and in that they may be and are used to forecast future business activity, they are "Business Barometers."

A study of financial history from very early times shows that there always have been alternate periods of depression and prosperity. These, more or less regularly recurring cycles each consist of four periods: a depression, an improvement, prosperity and a decline leading to another depression. The duration of the main or major cycles is about 20 years, of the minor cycles 10 years, and of the intermediate cycles, which are, of course, small cycles within the large ones, about 5 years although often much less.

In compiling the reports which Mr. Babson issues, statistics are gathered on about twenty-five different subjects, including new building operations, bank clearances, business failures, labor, money and trade conditions, gold movements, production of gold, commodity prices, condition of crops, investment market, railroad earnings, social conditions, etc., all of which seriously affect business operations. These statistics are tabulated, combined, and reduced to a single plot, which resembles in general form a sine curve.

Mr. Babson is of the opinion that sooner or later someone is going to reorganize the corpse of the present Course IX at the Institute and substitute a live course which will teach men to be "Engineers in Financial Conditions." One of the greatest needs of modern business life is men who can interpret the statistics collected to cover the conditions in widely different business operations.

Copies of the reports which Mr. Babson issues are through his courtesy to be installed in the Civil Engineering Library, where all may have access to them.

Dr. Frederick A. Cook's original notebooks have arrived at Copenhagen, and will be examined immediately by the committee. Rector Solomonson says, however, that the investigation will not alter the committee's judgment.

### SCHOLASTIC HONORS NEARLY UNIVERSAL

#### Honors Given At Nearly All Colleges and Scientific Schools

A short time before Christmas, the Tech published an article on the Sigma Xi honorary fraternity, the discussion of which was started by Dean Burton's report to the President recommending that an honorary fraternity be established here. Since that time the Tech has sent a reporter to see what other colleges are doing about honors in scholarship.

Nearly every university, college, and technical school of importance offers some tangible reward for exceptional work in scholastic lines. At different colleges different systems are in force, and at some several different systems are employed simultaneously. Honorary fraternities also are frequent, particularly in the West and Middle West.

At Harvard, for instance, there is a most elaborate system of prizes and honors. There are a large number of prizes, many of money, offered to those of especial ability in a certain subject. The winner is decided by competition. Honor lists are printed in the catalogue each year of the students who have done creditable work in each course. The marks A and B are honor marks. Degrees are given "cum laude" (with honor) "magna cum laude" (with great honor) and "summa cum laude" (with highest honor).

Moreover, special honorary parts in the commencement exercises, as valedictorian and salutatorian are given to the students of highest rank in the class. Phi Beta Kappa, an honorary academic fraternity, has a chapter there, admission to which depends on excellence of general standing, and only a limited number are admitted.

There is hardly any college that does not have some of these honors or their equivalent. Princeton, for example, gives general and special prizes. General prizes for excellence in general scholarship, and special prizes for exceptional work in one course. The University of Maine, following the English custom, has honor courses, which are harder than the common courses, and the successful completion of which is an honor. In addition they give commencement honors and honors for general excellence in scholarship. Nearly all of the colleges print honor lists. This is the custom at Yale, Williams, Wesleyan, Tufts, Amherst, Brown and many others.

Nor are technical and scientific schools behind in this respect. The Alabama Polytechnic Institute and the Rose Polytechnic Institute print honor lists in the catalogue, in addition to which Rose Polytechnic offers medals. The Polytechnic Institute of Brooklyn makes honorable mention of those who have done exceptional work, and offers prizes, and special honors for excellence in one subject. This list of colleges is not meant to be complete, merely representative.

Concerning honorary fraternities, there are two especially which are for engineering and scientific students, Tau Beta Pi and Sigma Xi. The aims of these two fraternities are somewhat different, but admission to each depends on general excellence of scholarship. Tau Beta Pi, of which Prof. Moore is the president, aims to broaden out the engineer and cultivate the literary as well as the scientific side. It was founded at Lehigh in 1885 and has about twenty-two chapters at different

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### LOSS OF WENTWORTH HANDICAPS TECH FIVE

#### Tufts Easily Defeats M. I. T. In Basket-Ball--Second Team Wins

In a game full of excitement and rough playing from the start the veteran Tufts team defeated the Technology team at Medford last night. The final score was nineteen to eight in favor of Tufts. During the entire game the Tufts men showed the better teamwork and excelled in passing and shooting. The Tech men played a rough game but this did not seem to give them the advantage. They were crippled by the absence of P. M. Wentworth, who is probably the best player on the team. Avery who took his place at short notice was unable to play fast enough to make up for this loss, although he played a consistent game. There was a large crowd present who cheered every good play.

Tech started off with a rush and the first few minutes of the game were played with top speed with the ball flying back and forth from one end of the gym to the other. The first score came when Capt. Parker shot a beautiful goal on a free try after a Medford man's foul. The only other Technology score in the first half was a field goal by Hargraves. Tufts secured nine points in the first half—six by field goals and three by free tries.

In the second half Johnston shot two goals after some good passing by the Tech forwards. Tufts, however, played steadily and succeeded in rolling up ten points. There was much rough work in this half, Bennis being responsible for a good deal of it, and numerous fouls were called—eight of them on Tech men. Parker was the whole team for Technology while Kimball and Atwood excelled for Tufts. The line up was:

TECH.	TUFTS.
Hargraves (Darling) r.f.	Knight (Dickinson)
	Kimball
	Johnston, l.f.
	Parker (Capt.), c.
	Atwood (Fisher)
	Bennis (Ell), r.g.
	Wallace
	Avery (Crocker), l.g.
	Hatch (Capt.)

Score—Technology 8, Tufts 19. Referee—F. Ingalls of Brown. Goals by Knight 2, Hargraves 1, Atwood 3, Johnston 2, Dickinson 1. Fouls shot by—Parker 2, Kimball 7. Fouls called on—Wallace, Hargraves 3, Avery 3, Bennis 2, Kimball 2, Hatch, Darling, Parker. Time of Halves—20 minutes.

The Technology second team easily defeated the Tufts second team by superior playing. The game was fairly fast and was marked by the good shooting and consistent blocking of Pettigill.

Score—Tech 2nd 25, Tufts 2nd 2. Goals by—Pettigill 4, Ritchie, Wentworth, Mather 3, Cahill, Stone 2.

From an informal canvas among the doubtful Boston wards, it appears that James J. Storrow will probably be our new mayor. His followers expect him to receive 25 per cent. of the Democratic vote, 65 per cent. of the unenrolled, and 75 per cent. of the Republican vote.

### CALENDAR.

Friday, Jan. 7.

1:00—1913 Class Meeting in H. H.  
8:00—Lecture on Wireless Telegraphy at Union.

Saturday, Jan. 8.

Basket-Ball. Tech vs. Lowell Textile at Tech Gym.  
2:30—Hockey, Tech vs. Brae-Burn at Brae Burn.