

THIS WEEK

Boston Stock Company
IN SPECIAL ARMISTICE WEEK ATTRACTION
"Three Faces East"
GREATEST SECRET SERVICE-MYSTERY PLAY EVER PLAYED
ST. JAMES THEATRE HUNTINGTON AND MASS. AVES.
Phone Back Bay 202
POPULAR STOCK PRICES—Matinees 2.15. Nothing higher than 75c.
Evenings 8.15. Nothing higher than \$1.00.

**CORPORATION XV RUNS TRIP
TO BOSTON STOCK EXCHANGE**

Corporation XV plans to run a trip for Senior members to the Boston Stock Exchange, this week Wednesday, November 16, under the personal direction of Mr. S. B. Pearmain who will explain operations of the exchange and answer any questions that may come up.

The trip will be made up of two groups of 29 men each. It is estimated that it will take an hour and a half to make the trip. The first group will leave the main lobby at 1:30 o'clock sharp, and the second will leave promptly at 2:05 o'clock.

Make Plans for Big Smoker

Plans are being completed for a membership drive among the upper classmen, as the officers of the corporation feel that there are many of these students who wish to receive the benefits and privileges of membership, the smokers, movies, dividends and talks by leading financial authorities.

The big smoker that is being planned for the latter part of this month is to present certain special features which are expected to be in the nature of a surprise. Members are asked to watch for further announcements regarding the smoker, which are to be made soon.

Choose Committee Members

The Corporation board expects to choose the members of the various standing committees within the next few weeks. As these positions are filled to a large extent by competition, Juniors and Sophomores who wish to work on these committees are asked to see one of the following officers as soon as they can: R. H. Brown '22, W. W. Bainbridge, Jr., '22, E. A. Ash '22, L. B. Laird '22, M. S. Burroughs '22, or W. B. Murdock '23.

SPORTING GOODS

Just Across The River
H. ANGUS CONNERS
88 Mass. Avenue
Near Commonwealth Ave.

**TIREX
PORTABLE CORD**



Tirex will increase portable tool efficiency by reducing cord troubles and renewals to a minimum.

It stays on the job from four to five times as long as any fabric covered cord on the market.

May we send you a sample?

SIMPLEX WIRE & CABLE CO.

MANUFACTURERS
201 DEVONSHIRE ST. BOSTON 9
CHICAGO SAN FRANCISCO

**FORMER SEC. OF COMMERCE
ADDRESSES UPPER CLASSMEN**

In an hour address full of first-hand facts and reminiscences, the Hon. William C. Redfield, secretary of commerce and labor in the Wilson cabinet, detailed the scientific services of the government to a group of upper classmen Saturday morning. He urged Technology men to consider the infinite variety of scientific work offered in the various government services to every type of engineer and worker in pure science.

"Not only do the scientific services of the government embrace an unlimited range of subjects in pure and applied science, but they act as the best preparation for an entrance into the ranks of big business. The big business interests yearly draw out of government service scores of young men who have proved proficient in their special fields. This loss to the government is gradually being overcome by a general increase in salaries.

No Politics in the Services

"In connection with this," continued Mr. Redfield, "let me say that in all my experience with the scientific services of the government I never came across any playing of politics. The Civil Service eliminates this and besides the type of man in charge of these services is concerned only with the real worth of applicants."

Mr. Redfield prefaced his remarks by saying that although he himself was not an engineer he had served as president, vice-president, treasurer and director in many engineering and construction companies and had been forced to study the principles of engineering the better to carry on his duties as executive.

"Let me congratulate you young men," he continued, "in being attached to a profession that has such a deep element of romance in it. This is, I think, especially exemplified in research.

The Romance of Research

"To me it seems like lifting a darkened veil which separates our ken from greater things. In research you are continually working in the light of past and present knowledge to pierce through the black wall of the unknown. The research departments of the government offer facilities in every branch of pure and applied science.

"The value of research was especially valuable during the war. In this connection let me tell you that the total time between the first rough drawing for the Liberty motor and the first explosion of the completed model was exactly 31 days.

"I do not mean to stress the research side of the scientific services of the government. The various fields of applied engineering offer a variety and a thoroughness that is unparalleled. Perhaps the best example is that of the geodetic service, where the men may be taken from lighthouse construction to charting the currents of the Pacific, or ordered to the navigating deck of Navy or other government ships after having completed a survey of the Rocky Mountains.

The Air Engineer Needed

"In my opinion the rarest engineer is the air engineer—the engineer trained in the control of the atmosphere. But I do not wish to leave you with the idea that the standard branches of engineering are overcrowded or exhausted. The "grid-iron" surveys of the United States are far from being completed; far-distant India is better surveyed than the United States, and only too many ships are lost yearly because of the lack of proper current charts of the Pacific ocean.

Mr. Redfield was enthusiastically cheered by the student body and left to make a tour of the various departments of the Institute.

**FIRST PRACTICE IN
"Y" TANK HELD TODAY**

**Swimmers Out For Varsity
and Freshmen Teams to
Have First Try Outs**

SUTHERLAND TO COACH SQUAD

The first practice of both the varsity and freshmen swimming teams will be held at 4:30 o'clock today in the Boston Y. M. C. A. tank. Over seventy men are expected to report; and among these a good number of last year's veterans will be found.

Coach Sutherland has returned to the Institute, after an absence of a year, to take charge of the Technology squad in an attempt to turn out a championship team for the coming season. Last year's relay is rather depleted with only one man, H. C. Palmer '23, back, but these vacancies are expected to be quickly filled from the list of candidates out. Especial interest is being taken by the managers in the manner in which the Sophomore candidates will show up after their very credible performance on the freshmen team last season.

The "Y" tank has been secured after much difficulty for practice at 5 o'clock on Mondays and Fridays, and at 4 o'clock on Wednesdays. The men out today will be given blanks to fill out giving their names, addresses, and events which they particularly want to try for.

All candidates will be given a very short tryout, but nothing at all definite will be decided until the men have had time to get back into form, and the coach has been able to develop the proper racing technique in the less experienced men. Due to the fact that the varsity and freshmen schedules do not begin until the start of the second term, Coach Sutherland will have plenty of time to develop both teams. It is pointed out however, that much importance lies in the attendance for the next five weeks. Only by the ideas formed at the different practices, will the coach be able to pick the team, Manager E. H. Miller '23, says.

**PRIZES ARE AWARDED IN
ENGLISH ESSAY CONTESTS**

The Tech Engineering News, co-operating with Professor A. T. Robinson, is now able to announce a prize essay competition in Professor Robinson's course in The Engineering Field, known as E 58. Realizing the necessity of an engineer having a fluent and clear command of the English language, the late Robert A. Boit has left a sum of money "to stimulate the students' interest in the best use of the English language." The first prize is \$50 and the second \$25. Every man taking the course becomes, because of his enrollment, a competitor. All essays are to be submitted to Professor Robinson before the last of November.

The essays will be turned over to the Editorial Board of the Tech Engineering News for selection, and the best ten will be given to a committee of business men and engineers for final decision. T. E. N. has arranged to publish the prize winning essays.

The rules of the contest are simple. The essays must relate to some phase of business or engineering, or to some topic covered by a lecture of the course. In judging the papers preference will be given to those which relate to the author's experience or future prospects. Since Mr. Boit wished to stimulate the correct use of English, considerable emphasis will be laid on grammatical construction and literary technique.

**ELECTION OF FRESHMEN CLASS
OFFICERS IS NOVEMBER 18**

The election of the officers of the class of 1925 will take place on Friday, November 18, from 9 to 5 o'clock in room 3-115. The officers to be elected are president, vice-president, secretary, treasurer, two members of the Institute Committee, and two members of the executive committee. H. J. Horn, Jr., '22, chairman of the Elections Committee will have charge of the elections.

A list of the men eligible for nomination and for voting will be posted on the main bulletin board for one week commencing Tuesday, November 8. Men whose names do not appear on this list and believe themselves eligible to vote should apply in writing to Horn. His address is 4 Ames Street, Cambridge.

Nomination blanks must be typewritten. The nominee's name, the signatures of ten sponsors, and the signed acceptance of nominee must all be included in the blank. Any further information may be obtained from Horn.

**MANY SLOW TIMES AT
HANDICAP TRACK MEET
(Continued from Page 1.)**

out by the fame of the weight thrower who entered Technology from the Hill School, but he has transferred to Princeton, so the call for weight men becomes imperative.

The events were run off in regular intercollegiate order. Both of the hurdle events were shortened up; 140 yard low hurdles and 80 yard high hurdles were run instead of the customary 220 yards and 120 yards.

Summary:

80 yd. High Hurdles—First, C. R. Miller '23, scr.; second, R. W. Ambach '24, 3 yds.; third, H. L. Houghton '24, 3 yds.; fourth, C. C. Marble '25, 3 yds. Time 12 sec.

100 yd. Dash—First, H. O. Tappan '23, 3 yds.; second, E. Heap '23, scr.; third, L. F. Porter '24, 2 yds.; fourth, C. L. Norton, 4 yds. Time 10 2/5 sec.

Two Mile Run—First, R. E. Hendrie '23, 60 yds.; second, E. B. Sandberg '25, 140 yds.; third, F. W. Bemis '25, 100 yds.; fourth, A. L. Flanders '22, scr. Time 10 min. 28 3/5 sec.

Half Mile Run—First, H. G. Burt '24, 30 yds.; second, H. W. Makepiece '25, 20 yds.; third, G. L. Bateman '25, scr.; fourth, C. J. Dipple '22, 25 yds. Time 2 min. 14 3/5 sec.

140 Yard Low Hurdles—First, A. C. Read '24, 3 yds.; second, C. Y. Chittick '22, scr.; third, A. S. King '22, scr.; fourth, W. R. Mechnenberg '25, 9 yds. Time 16 2/5 sec.

220 Yard Dash—First, L. F. Porter '24, 5 yds.; second, H. E. Banks '24, 18 yds.; third, W. B. Gurney '22, scr.; fourth, J. W. Pratt '23, 7 yds. Time 23 sec.

Pole Vault—First, P. M. Stearns '23, scr.; second, R. E. Dodd '25, 3 in. Height 10 ft. 8 in.

High Jump—First, L. M. Rice '22, 2 1/2 in.; second, E. H. McArdle '24, 2 in.; third, T. A. O'Rourke '24, 4 in.; tied for fourth, E. A. Merrill '22, scr. and H. P. Stanley '23, 3 in. Height 5 ft. 8 1/2 in.

Broad Jump—First, R. Prescott '22, scr.; second, E. H. McArdle '24, 4 in.; third, H. Bruiner '23, 5 in.; fourth, W. E. Gurney '22, 2 in. Distance 19 ft. 6 2/3 in.

Discus Throw—First, T. Nimick '24, scr.; second, J. G. Dalton '23, 5 ft.; third, H. L. Houghton '24, 5 ft. Distance 113 ft.

16-Lb. Hammer Throw—First, A. R. Tonon '22, 5 ft.; second, F. H. Osborne '22, scr. Distance 128 ft. 3 in.

16-Lb. Shotput—First, T. Nimick '24, scr.; second, A. R. Tonon '22, scr. Distance 33 ft. 10 in.

**AERONAUTICAL SOCIETY
PLANS WIND TUNNEL TRIP**

The Aeronautical Engineering Society plans a trip to the wind tunnel on Wednesday and Thursday of this week between the hours of 4 and 5. The group will start in the main lobby at 4 o'clock on both days and the trip will be conducted by Professor Warner.

Alterations on this wind tunnel have been but recently completed and are of the venturi type which is superior to the wind tunnel of rectangular cross section. The tunnel is 42 feet long and four feet in diameter. The tests were made by models which averaged 18 inches in width. The propeller is 8 feet in diameter, and the driving motor of 17 horse power. The wind speed is 60 miles per hour. As a result of the experiment it was found that by virtue of the alterations an increase of 30 miles per hour in wind velocity was obtained.

This increase in efficiency was obtained through several improvements in design. The cross section has been made circular and the taper and flare have been made more gradual. Veneer and plaster have been used in the construction, the plaster being laid on metal lath. Both of the methods are new departures in wind tunnel construction. The design of the propellers has been improved and several accessories for straightening out the flow of air formerly thought essential have been removed.

This wind tunnel is one of the oldest in the United States in the way of continuous service and has been in use since 1903. There is a new contract to use it for testing government models and it will also be used in running tests for research work, and for individuals and airplane manufacturers.

**RICHARD'S SCHOOL
OF DANCING**
30 HUNTINGTON AVE.
Private and Class Lessons
SOCIALS MONDAY AND FRIDAY EVES.
Hall to Hire
Tel. R. B. 56060

ARMISTICE BALL

WALKER MEMORIAL

NOVEMBER 11th, 1921

Formal or Uniform

Dancing 9-2

\$3.00—On Sale Monday, Main Lobby, 12-2

A really good meal is a rarity outside of your home BUT
THE TECHNOLOGY LUNCH
86 MASS. AVENUE
Can make you forget that last one you had
50c Special Lunch Every Day
Meal Tickets—\$5.50 for \$5.00



Household Cement

A handy mender for any material. Produces a firm joint, that is water-proof and transparent.

Household Cement sets quickly and makes permanent repairs.

Supplied in handy, pencil-point tubes.

E. I. DU PONT DE NEMOURS & CO., INC.

Sales Dep't. Chemical Products Division
Wilmington, Delaware