

THE TECH

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Friday, April 16, 1909

Technique 1910 is awaited with keen expectation.

Get out your football togs again. Not for spring practice. For the Technique Rush. Get immortalized.

Pay up for Prom at once! The committee is delayed because of the fact that many men who have signed up have not turned over the necessary five dollars.

In view of the fact that last year the freshmen failed to "score" in the Technique rush, it will be interesting to see

what sort of fight 1912 will put up tomorrow. Our present freshmen have shown their prowess once most emphatically, and if we are to judge from what may be gathered from their conversation, the Technique 1910 rush will be another feather in 1912's cap, so far as the lower classmen are concerned.

Tech has a defeat to retrieve at Philadelphia next Saturday. Whether this will be done depends upon the kind of men that show up at the Field this afternoon for the trials for the team. It is up to the men at the Institute who can run some to get out and do their best to make the team, then to do as Coach Kanaly directs. If the fastest quarter-milers will go out and work, there is no reason to look for anything but a victory at the Penn relay games next week. It is high time that the men who can do things at Tech should see to it that none but the best at the Institute ever wear the cardinal and gray in any kind of a contest. Are you doing your share?

There will be no issue of The Tech on Monday, April 19, or on Wednesday, April 21. The regular Monday issue will be published tomorrow at twelve o'clock. This will be an eight-page souvenir of Junior Week, containing full particulars of all the events of the week, with pictures of the Show cast, and the prominent participants in the other affairs. Everyone should procure a copy. They will be on sale at the Technique Rush in exchange for the regular subscription ticket (No. 71) or five cents in cash.

At a meeting of the Institute Committee Wednesday afternoon, it was decided to have an advisory board appointed from the new Alumni Council to act in conjunction with the Institute Committee in deciding on student activities.

FIRE FIGHTING

(Continued from page 1.)

der containing oxygen is under a pressure of about two thousand pounds, and the pressure of the oxygen going through the tubes to the mouth is regulated by an automatic valve which keeps the pressure of oxygen to the mouth down to seventy-five pounds to the square inch. There may be attached to the back one or two cylinders, each one good for one hour's work. In case two cylinders are used, they are entirely separate from each other, each operating by a special valve. In action the oxygen passes through the rubber tube to the mouth, and after breathing, the carbonic gas given off by the lungs is forced around the other tube through the absorbing cartridges, which absorb the carbonic gas. Special appliances to the apparatus are: a sponge for cleaning the window of the helmet, a telephone to the good air outside the mine, and a special appliance which takes up the surplus of oxygen which passes through the tube, and is not used by the workman. One side of the helmet is uncovered so that while working in the mines, if any accidents happen, the workman can hear sounds of them. The further apparatus manufactured by the Draeger Apparatus Company is the special electric light for use in mine work. One light which they manufacture is a hand lamp with a storage battery as the motive power, and the other is a lamp which fits on the top of the helmet, so that wherever the miner turns the light is always flashing before him.

The last part of Mr. Mingrann's lecture was an account of the use of the oxygen apparatus in the reviving of men overcome by the after damp of mine fires and explosions, in which he told of the revival of men who had been apparently dead for at least eight hours.

M. BERTIN'S LECTURES

French Naval Architect Giving Interesting Talks

Mon. L. E. Bertin in the first of his lectures on Naval Architecture Monday emphasized the fact that hydrodynamics, unlike optics and sound, has never become a classical science. In early times the ocean was surrounded with mystery and, as this has disappeared, the interest in the study of ocean phenomena instead of increasing, has become less and less.

The question as to whether the laws of simple periodic vibrations are or are not verified by observations on water waves has received considerable attention. Measurements have been made of the height, length and period of waves in mid ocean where disturbing effects due to the shore are absent. These have agreed well with the calculated values. M. Bertin gave a mathematical discussion resulting from the superposition of simple waves of varying heights and phases. He also referred to the disputed point as to whether the energy of the waves raised by the prow of a vessel is lost energy or merely a part of the minimum work necessary to propel the ship through the water. He favored the latter view.

In his second lecture yesterday M. Bertin gave a summary of the mathematical theory of the stability of ships. He also described experiments performed on models and cited instances of shipwrecks in which the results of these experiments were confirmed. The admission of even a very small quantity of water into a ship may cause a very great increase in instability. In any case the tendency is to produce a virtual raising of the center of gravity. The most desirable arrangement from the point of view of stability is that of the Monitor, but unfortunately this does not meet the other demands of navigation.

TECH TOG SHOP

EASTER GLOVES
 EASTER SHIRTS
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 EASTER FANCY VESTS

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 A SPECIALTY.

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GLOVES

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FOWNES

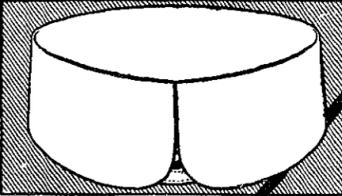
and not be right.

Miss M. F. Fisk

THE RED GLOVE SHOP

322 Boylston St., opp. Arlington

is showing a handsome shade in men's chamois gloves at \$1.50 a pair. Other makes at this price are Fownes and Dent's in the popular cape leather in handsome shades of tan.



15¢ each
2 for 25¢

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GENTLEMEN LOOK OUT FOR YOUR HEALTH.

You need a safety valve! A brain storm or a brain explosion is liable to occur at any time. You will find the needed relaxation, and relief at the

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In the vineyard, the genuine Bohemian Cafe with orchestra, grand opera and popular song soloists, with a stein of good beer, or a cold bottle and a square meal, where you will forget all about science and enjoy yourself for a while on earth, as a human being.

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