THE TECH

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FRIDAY, OCTOBER 10, 1913.

Aside from the entertainment and instruction afforded by the weekly T. C. A. talks, they fill one other need in the life of the Tech man who makes the best use of them: they teach him to think. The speakers, for the most part, are not the narrow type of men who confine themselves to imparting information; they aim rather to give to more men the benefits of par- ticipating in the act of thinking; it is perhaps the greatest of all the benefits which we store away as in the gray matter of our brains. Each one of us, if he stops to think, knows that we acquire of exercising the power we acquire of exercising the ability to pick out such objectionable obstacles to the material to be ground and to carry them upward until removed by a suitable scraper. In the improved types, the inside magnets are wound with aluminum wire insulated by the oxide, so that the coils are heat and moisture proof and the device is very reliable. Such magnetic separators are recommended for cocoa or bone mills, chemical works, coal crushers, sugar refineries and grain mills, as well as in the textile industries.

MANDOLIN TRIALS
Next Rehearsal Thursday—New Men Report Then
The following men were present at the try-out for the Mandolin Club yesterday and will report at the first rehearsal next Thursday, October 16, at 4:15 o'clock in the Union: W. H. Beadle, E. P. Brooks, P. V. Cristal, W. B. Ford, R. K. Peabody, F. L. Ford, R. T. Friesas, F. E. Glen, R. E. Haylett, H. J. Holtor, D. O. Hooger, R. T. King, D. C. K. Liu, C. S. Mcllwain, S. E. Piza, A. Simonsen, R. B. Stringfield, A. R. Stumba, C. J. Ward, F. E. Stern. Any men who formerly belonged to the club, but who were not present at the trials are expected next Thursday. Any new men who were unable to come to the trials should make an effort to be on hand at the first rehearsal.

1916 RELAY PRACTICE
More Men Needed to Strengthen Team—Fifteen Out Yesterday
The 1916 Relay Team is fast getting in form under the management of Capt. Dean and Coach Kanally. Fifteen men showed up for practice on the Field yesterday afternoon. They were: Gneglo, Loomis, C. S. Reed, Hone, Hayes, Dean, Page, Goldstein, and Liber's old team; and the new candidates were Burgh, Laurson, Gannon, Fitch, Hart, Weir, and Childs.

Captain Dean wants all men who have any idea of wanting to show up for practice immediately, as the 1917 team is showing up well. As yet Kittredge and Conkling's old team has not turned out, and it is hoped that they will soon come out for practice.

ENGINEERING AND SCIENTIFIC NOTES

According to Mr. E. H. Page, an English aeronautical designer, for machines of equal span, cross section, etc., the monoplane has about 15 per cent more lift than the biplane with equal speeds. The monoplane has a slightly less re- sistant surface than the biplane, but what is gained in this direction is offset by the increased size of the engine and equipment. For machines having an area of one square foot the monoplane is conceded to be the most economical type, but with larger area the bi- plane leads.

A submarine telephone is to be laid between Holland and England. The length of the cable will be over one hundred miles and the total expense is conceded to be the most economi- cal type, but with larger area the bi- plane leads.

Some rather queer and yet quite beautiful forms of explosions in grinding mills are the sparks by fragments of iron caught between the rollers which line the revolving cylinders of some of the textile industries.

BOSTON BASIN GEOLOGY

Considerable interest attaches to the field work which is being carried on this season by the Geological Survey in the State of Massachusetts. The geology of the Boston Basin, including the areas known as the Boston, East Boston and Framingham quadrangles, is being ex- amined in great detail by Geologist Law- rence La Forge, and this season's work will complete his field studies necessary to the preparation of a geologic folio, including geologic and topographic maps, describing the interesting and complicated geology of this area. The publication is expected to be of high educational value, as well as of local in- terest and importance. In several other quadrangles, in the central portion of the state, geologic mapping for tints publication is in progress by Prof. B. K. Emerson. The Pleistocene geology of a portion of the state, including the Boston area, is being investigated by Frank B. Taylor.

In the eastern part of the state, through an arrangement with the Federal Bureau of Mines, studies of the near logs is being made by Charles. A. Davis, and have disclosed most interest- ing evidence of the gradual sinking or subsidence of this area still in progress. While this sinking of the past logs is of considerable geologic interest, the rate of subsidence is not known to warrant any alarm on the part of the people living in the vicinity.

THE TECH, BOSTON, MASS., OCTOBER 10, 1913.

THE CHOCOLATES
THAT ARE DIFFERENT

Holland's Dining Room
Holland's 379 Columbus Aue.
Excellent board at reasonable prices
31 Weeks
$100
10 Weeks
$90
6 Weeks
$80

THE APOLLO

There are a hundred or more varieties beckoning to you from every smoke shop but there is only one that is "Distinctively Individual"—the purest and best of tobaccos—delightful flavor is a faithful friend that is yours only by purchasing from us.

Your college chum,

All Goods Required by Students at Maclachlan's
502 Boylston Street

Drawing Instruments and Materials

Fountain Pens Text Books

GET YOUR BOOKS AT
The Old Corner Book Store, Inc.
27 AND 29 BROMFIELD STREET
BOSTON