

THE TECH.

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How many men have taken account of stock and found out just where they stand? There is plenty of time left before mid-years to pull things together, take a brace and come out in good standing at the finish. A man comes here at the Institute for a serious purpose. This aim is sometimes lost sight of in the routine grind and the press of student activities. Now—two weeks before the exams—is a good time to find yourself. Remember the duty you owe to your parents, your school, and yourself. GET BUSY.

The man who is able to work out and test the solution of problems proposed by others is a serviceable man for routine work. But the one who takes the initiative, who suggests the problem, who proposes the solution, is indispensable to progress.—Professor Frances M. Perry of Wellesley.

It is hard to lose a good man on any team; but fair play is what we want.

Conditions in the living rooms at the Union are improving. Let the good work go on.

Needless wireless interference should be punishable by law. It is hoped that Tech men will use all their influence to stamp out this evil. Rigid Federal control cannot help but retard the progress of the science as far as experiments are concerned. The local authorities should act.

The strongest suffragettes in this country are those women who devote their best energies towards the developing of their children in order to make them good citizens, and woman's first duty is to her home and children.—Mrs. Clarence H. Mackay, New York.
Sane—Safe—Sensible.

"The corpse of Course IX," says Mr. Balso in his lecture on "Business Barometers."

Not a dead one yet, but just lingering.

It is faith in something and enthusiasm for something that makes life worth looking at.—Oliver Wendell Holmes.

Have you seen Prof. Lowell's photographs of Halley's Comet and Saturn in Roger's corridor? It is worth your time to investigate.

"Wireless Telegraphy" at the Union to-night—a popular lecture on a popular subject.

Printers ink is flowing fast in the mayoralty campaign. Of course all legal citizens at Tech will do their duty at the polls.

47 degrees above to 8 degrees below zero, then back to 37 degrees above is quite a jump.

Freshman logic, at times, seems to be somewhat far fetched.

Rain! Rain! Rain!

Honesty is the best policy.

CIVIL ENGINEERING

(Continued from page 1.)

The laboratory is further equipped with a forty-eight-inch Pelton wheel, of thirty horse-power; a three-foot American impulse wheel; a Venturi meter; an eight-inch, a twelve-inch, and two forty-eight-inch weirs, and an orifice tank for measuring water; a centrifugal pump; a rotary pump; a plunger pump; a pulsometer; a three-inch water meter and others of smaller size, and a variety of mercury gauges, standard orifices, mouth-pieces, diaphragms, branches, nozzles, etc., for experiments with flowing water under all conditions. A twelve-inch turbine is arranged to be run under various conditions of head and gate opening in tests for efficiency. There is also a hydraulic ram with a two-and-one-half-inch drive-pipe and a double-acting Rife hydraulic engine. The laboratory also contains a steel weir-box, the weir having a standard crest adjustable as to length from zero to five feet, and a seconds pendulum, with chronograph for exact determination of time in experimental work.

Apparatus for comparing the wearing properties and other physical characteristics of the different pavement and road materials, and continuous-record instruments for measuring the strain in bridges and other metallic structures are also located in this laboratory.

In the Middlesex Fells, near by the city, is an observatory. It is a stone building about fifteen feet square and has the following equipment: A transit instrument of 2 1/2 inch aperture, 27-inch focus, with micrometer eye-piece for latitude observations, a chronograph, a sidereal chronometer, a magnetometer, a dip circle, an altazimuth instrument, and smaller appliances, such as level triers and mercury horizons. This observatory offers excellent advantages for instruction in geodesy and astronomy.

In connection with the Civil Engineering Department there is a collection of models illustrating bridge details, problems in stone-cutting, etc.; a collection of blue-prints, drawings, photographs and lantern-slides, and a set of full-sized models of various methods of road and pavement construction.

It is very important to mention here the library of civil engineering. That the Institute has one of the best in that line, if not the best, is the statement of everyone who knows anything about libraries. It contains about 1,100 volumes and treats of every subject in civil engineering. Works in German, French and Spanish may be found there. All periodicals of importance are taken and pamphlets and reports of engineering organizations received. In short, this library is up-to-date and complete in every detail.

A new move has been decided upon by the Republican organization in Congress. Younger and hitherto unrecognized men will hereafter be placed in charge of bills of more or less importance. The object of thus encouraging the young blood is, of course, to weaken the insurgent force, or at least to prevent it from gaining desirable recruits.

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