

THE TECH

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Wednesday, February 12, 1908.

INTERESTING

Of deep interest to every Tech man and every scientific student is the address delivered before the students of Purdue University by Prof. Henry H. Norris, professor of electrical engineering at Cornell University. Following is a syllabus:

Engineering consists in the industrial application of physical principles by (a) designing and constructing machines and other devices for specific purposes; (b) selecting and arranging such apparatus to produce definite commercial results with maximum efficiency.

Engineering to the individual may mean (a) a business, (b) a profession, or (c) a trade. It may be one or more of these. It should be all of them.

A technically trained engineer owes the community more than does the average citizen, as he represents a greater investment.

The community has a right to expect qualities of leadership from technical graduates. The first of these is the ability and desire to accept responsibility. An embryo leader is one who lightens the load of the people above him. He is doing this with muscle, not mind. A second element of leadership preparation is thoroughness. A third is perspective, seeing the relations of things and thoughts to each other.

The purpose of technical training is not that its recipients may make a better living or make a living more easily. At the same time, as a general rule, a high-salaried position carries with it splendid opportunities. On the other hand, many low-salaried positions afford excellent opportunities for efficient service.

Technical graduates (and others) divide themselves more or less automatically into two classes—wage earners and salaried employees.

The first puts his skill, the second, himself, into the work.

The first is paid for his labor; the second for his interest.

The first is paid for overtime; there is no overtime for the second.

The pay of the first is regulated by the unions. The second is (theoretically) paid a reasonable living salary, consistent with the expenses to which his position subjects him.

Good work on the part of wage earners is usually recognized, as the results are evident. It is not always so in the other case, as the true leader loses himself in his work.

Osborne's maximum for leaders:

1. Allow nothing to be everybody's business.

2. Make everything somebody's business.

3. Let no one interfere with another's responsibility.

4. Put in force a clear and simple system, but

5. Avoid red tape.

Things some technical graduates cannot do:

Answer a business letter by return mail.

Write a clear, brief report or letter.

Defend their own opinions.

Reason from premises to a conclusion.

Realize the obligations involved in a contract.

Inspire others to their best efforts.

WILLIAM WILMONT BOYNTON.

Died Feb. 11, 1908 at his home, 130 Oxford Street, Cambridge. His death occurred from pneumonia after an illness of seven weeks. He was a member of the Class of 1908 in the Sanitary Engineering Course. He belonged to the Phi Beta Epsilon Fraternity.

He had always been actively interested in Technology and class affairs and took part in the Tech Show in his Freshman and Sophomore years and was also a member of the 1908 Sophomore Tug-of-war Team.

He was born on Oct. 5, 1887, and prepared for the Institute at the Cambridge Latin School, from which he graduated in 1904.

Although known to comparatively few of his fellow students, he gained the respect and friendship of those who knew him best by his earnest, straight forward manner, and his upright character.

PROF. JAGGAR TO DISCUSS EVOLUTION.

(Continued from page 1.)
midway between the old and New Bogoslofs. Lieutenant Stromberg, of the revenue cutter "Perry," in July, 1906, made a sketch map showing Metcalf Cone attached to New Bogoslof, but separated by seven fathoms of water from old Bogoslof. The revenue cutter "McColloch" in July, 1907, found that Metcalf Cone had broken in two, extending itself into McColloch Peak on the south, and that the waves had again cemented the beach between the islands with continuous land. But the end was not yet. On September 1, after we had left the islands, McColloch Peak exploded, sand and dust fell one hundred miles to the eastward, and a visit by the revenue cutter in October revealed a watery lagoon at the south base of the Metcalf remnant, McColloch Peak was gone, and all of the rocks were shrouded in a heavy mantle of volcanic debris. No such extraordinary story of the growth and alteration of an island in the sea in a history that has lasted one hundred and eleven years has ever been told in the records of science before, and the changes of the last sixteen months are unique in the annals of volcanology.

In commenting on the expedition Prof. Jaggar says:—

"To review briefly the scientific work of the expedition, it is safe to say that the geological records are fully equal to what was hoped for when the voyage was planned. To study the volcanoes Makushin and Bogoslof and find out something about the older rocks of the chain were the first requirements of success, and these things were abundantly accomplished. The photographs were unexpectedly successful, considering the weather. Large collections of specimens were made for laboratory study. The visit to Bogoslof at a critical time, the discovery of the Shaler Mountains, of the granite and the elevated beaches, the determination of the north and south belts throughout the chain, characterized respectively by active volcanoes and older rocks, the bench levels containing lignite at high elevations—all of these things are large items of significance which appear from the field notes. What may develop from laboratory study remains to be determined."

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