

# SCIENCE

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## CONTENTS

<i>Criticism of the Engineering Schools:</i> PROFESSOR DUGALD C. JACKSON .....	225
<i>Doctorates Conferred by American Universities</i> .....	231
<i>Scientific Notes and News</i> .....	238
<i>University and Educational News</i> .....	241
<i>Discussion and Correspondence:—</i>	
<i>Selective Fertilization and the Relation of the Chromosomes to Sex-production:</i> PROFESSOR EDMUND B. WILSON. <i>Higher Education in Pittsburgh—A Comparative Study of Salaries:</i> DR. A. W. CRAWFORD. <i>On the Origin of Flint-like Slate near Chapel Hill, N. C.:</i> H. N. EATON. <i>The Oscillations of Swinging Bodies:</i> PROFESSOR B. O. PEIRCE	242
<i>Scientific Books:—</i>	
<i>Eaton's Birds of New York:</i> DR. J. A. ALLEN. <i>Lacroix's Mineralogie de la France et de ses Colonies:</i> WALDEMAR T. SCHALLER. <i>Buckman on Yorkshire Type Ammonites:</i> T. W. STANTON .....	247
<i>Special Articles:—</i>	
<i>The Increased Permeability of Sea Urchin Eggs following Fertilization:</i> PROFESSOR E. P. LYON and L. F. SHACKELL. <i>A Peculiar Heat Phenomenon:</i> F. R. WATSON. <i>Microseisms:</i> DR. OTTO KLOTZ .....	249
<i>Societies and Academies:—</i>	
<i>The Iowa Academy of Science:</i> L. D. ROSS. <i>The Botanical Society of Washington:</i> W. W. STOCKBERGER .....	254

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## CRITICISM OF THE ENGINEERING SCHOOLS<sup>1</sup>

FRANCIS BACON said in the introduction to his "Maxims of the Law":

I hold every man a debtor to his profession; from the which as men, of course, do seek to receive countenance and profit, so ought of duty to endeavor themselves by way of amends to be a help and ornament thereunto.

This quotation is so enriched by age that it can be constantly quoted without attracting the charge of being trite; and its meaning is particularly apposite to my subject. I press it upon your attention the more willingly because teachers and professional men generally are given to overlooking the importance of its precept. An engineering school has a hard duty, for it must teach science and business, humanity and common sense, and withal it must give its students professional ideals. The present is a period of discussion and adjustment of the relationships of engineering courses to the preparatory schools and to the so-called liberal college courses. Various of our universities are setting up requirements for entrance into their engineering courses which include a part of the subjects leading more particularly to the bachelor of arts degree; and one of our greatest universities has made the possession of a bachelor of arts or equivalent degree the prime requirement of entrance into the studies of its engineering school, and has called its school a "graduate school of engineering." The adopted name for that school seems to me a misnomer, for the major portion of its teach-

<sup>1</sup> Lecture before the Stevens Engineering Society, November 23, 1909.

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