

SCIENCE

VOL. LXII DECEMBER 4, 1925 No. 1614

CHANDLER: THE TEACHER AND THE CHEMIST¹

CONTENTS

<i>Chandler: The Teacher and the Chemist</i> : PROFESSOR M. I. PUPIN	499
<i>Chandler and the Columbia School of Mines</i> : DEAN GEORGE B. PEGRAM	501
<i>Scientific Events:</i>	
<i>The Science Exhibition at the Kansas City Meeting of the American Association; Meetings of Section F (Zoology) at Kansas City; Grants of the Carnegie Corporation; Testimonial to Dr. James F. Norris</i>	503
<i>Scientific Notes and News</i>	506
<i>University and Educational Notes</i>	509
<i>Discussion and Correspondence:</i>	
<i>A New United States Weed</i> : DR. PAUL C. STANDLEY. <i>The Primary Foodplant of the Melon Aphid</i> : DR. EDITH M. PATCH. <i>Illiteracy in the College</i> : PROFESSOR T. D. A. COCKERELL. <i>The Purpurin Method of Localizing Calcium</i> : PROFESSOR A. B. MACALLUM	509
<i>Scientific Books:</i>	
<i>Bailey's Chemistry of Wheat Flour</i> : DR. H. W. WILEY	511
<i>Scientific Apparatus and Laboratory Methods:</i>	
<i>A Rapid Method for Demonstrating the Effects of Plants on a Culture Solution</i> : PROFESSOR P. L. HIBBARD	515
<i>Special Articles:</i>	
<i>Note on Magnetic Declination</i> : L. S. TAYLOR. <i>Arca Patricia Sowerby, a Miocene Fossil from the Dominican Republic</i> : WENDELL P. WOODRING	516
<i>The National Academy of Sciences:</i>	
<i>Abstracts of papers presented at the Madison meeting</i>	519
<i>Science News</i>	x

SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. McKeen Cattell and published every Friday by

THE SCIENCE PRESS

Lancaster, Pa. Garrison, N. Y.
New York City: Grand Central Terminal.
Annual Subscription, \$6.00. Single Copies, 15 Cts.

SCIENCE is the official organ of the American Association for the Advancement of Science. Information regarding membership in the association may be secured from the office of the permanent secretary, in the Smithsonian Institution Building, Washington, D. C.

Entered as second-class matter July 18, 1925, at the Post Office at Lancaster, Pa., under the Act of March 8, 1879.

THE history of Charles Frederick Chandler's life is an essential part of the history of chemistry and chemical engineering in the United States during the last sixty years. In the early fifties, when young Chandler entered the Lawrence Scientific School at Harvard, chemical science in England and in this country was practically a monopoly of the druggists. Those were the days when the druggists in England were called chemists, and the name has persisted down to the present day. Young Chandler had to leave the Lawrence Scientific School and go to Professor Woehler, of Göttingen, in order to study the science of chemistry. Neither Harvard nor any other college in the United States was equipped in those days for training students in chemistry. When Chandler returned in 1857, decorated with a Göttingen Ph.D. degree, nobody seemed anxious to engage his services. He finally found some odd jobs with the oil men of New Bedford, analyzing their whale oil. His old friend, Professor Joy, of Union College, needed his assistance in the college laboratory, but the trustees were unwilling to appropriate a salary for an assistant in chemistry after they had appropriated five hundred dollars for a janitor of the chemical laboratory. The young doctor of philosophy took the vacant position of janitor. The privilege of giving scientific assistance to the professor of chemistry attracted him to the position of janitor. Nothing can describe better the state of the chemical science in this country in those days than this beginning of Chandler's scientific career. Nothing can describe better the latent energy of the young doctor of chemistry than his willingness to start his career as a janitor.

Who can tell to-day how long Chandler would have had to stay as janitor at Union College, if Professor Joy had not been called to Columbia College in 1857? But Joy stepped out of Union College and the trustees advanced Chandler from janitor to professor. Chandler's biography, entitled "From Janitor to Professor," would furnish a story of eminent value to the history of American science. Chandler soon outgrew his position at Union College and joined his old friend Professor Joy at Columbia College, where

¹ Address delivered at a Memorial Meeting, November 16, 1925, in honor of the late Charles Frederick Chandler.

Science

62 (1614)

Science **62** (1614), x-524.

ARTICLE TOOLS

<http://science.sciencemag.org/content/62/1614.citation>

PERMISSIONS

<http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.