

# SCIENCE

A WEEKLY JOURNAL DEVOTED TO THE ADVANCEMENT OF SCIENCE, PUBLISHING THE  
OFFICIAL NOTICES AND PROCEEDINGS OF THE AMERICAN ASSOCIATION  
FOR THE ADVANCEMENT OF SCIENCE

FRIDAY, JUNE 28, 1907

AMERICAN UNIVERSITIES<sup>1</sup>

## CONTENTS

<i>American Universities</i> : PROFESSOR A. LAWRENCE LOWELL .....	985
<i>The Annual Meeting of the American Association of Museums</i> .....	996
<i>Scientific Books</i> :—	
<i>Clays, their Occurrence, Properties and Uses</i> : PROFESSOR EUGENE A. SMITH. <i>Ozapenk's Biochemie der Pflanzen</i> : DR. R. H. TRUE .....	999
<i>Scientific Journals and Articles</i> .....	1001
<i>Societies and Academies</i> :—	
<i>Section of Astronomy, Physics and Chemistry of the New York Academy of Sciences</i> : PROFESSOR WILLIAM CAMPBELL ....	1002
<i>Discussion and Correspondence</i> :—	
<i>The Clock of the U. S. Naval Observatory</i> : DR. W. S. EICHELBERGER. <i>Variation in the Corolla of Linaria vulgaris Mill.</i> : J. B. TURNER. <i>The Indian Bedbug and the Kala Azar Disease</i> : A. ARSÈNE GIRAULT .....	1003
<i>Special Articles</i> :—	
<i>The Solenodon of San Domingo; its External Characters and Habits</i> : PROFESSOR A. E. VERBILL. <i>A Note on the Hammerhead Shark and its Food</i> : E. W. GUDGER. <i>Do Offspring inherit equally from Each Parent?</i> PROFESSOR MICHAEL F. GUYER. <i>Thrusts and Recumbent Folds, a Suggestion bearing on Alpine Structure</i> : BAILEY WILLIS .....	1004
<i>Quotations</i> :—	
<i>Teachers' Salaries and Minnesota</i> .....	1011
<i>The Award of the Boyden Premium by the Franklin Institute</i> .....	1012
<i>Scientific Notes and News</i> .....	1013
<i>University and Educational News</i> .....	1015

MANY of the great industrial concerns of the present day are said to earn their dividends by means of their by-products. Not that their main work is the less essential, but that the keenness of competition has forced the managers to pay close attention to every source of revenue. If this is the case with industry it may be said with equal truth that the benefits of institutions among men often consist chiefly of their indirect effects; and I want to speak to-night of one great indirect influence for good of American universities. By an indirect effect I mean one which is not a conscious object, or at least not one of the prime conscious objects, of existence. The prime objects of a university may be grouped under four heads: (1) giving a general education to a large number of young people; (2) fitting students by a special training for the practise of a particular occupation or profession; (3) maintaining a body of scholars who add to the sum of human knowledge; and (4) recruiting the men who are to succeed them—for with a really great scholar the problem is not so much to teach him as to discover and stimulate him. Now for the attainment of these four objects various organs of the university have been established.

<sup>1</sup> Address delivered at Yale University on April 19, 1907, being the third of the annual Harvard lectures. The fund for this course of lectures was provided by an anonymous Harvard graduate. The first lecture was given in 1905 by President Eliot, and the second in 1906 by Professor George H. Palmer.

MSS. intended for publication and books, etc., intended for review should be sent to the Editor of SCIENCE, Garrison-on-Hudson, N. Y.

# Science

**25 (652)**

*Science* **25** (652), 985-1016.

**ARTICLE TOOLS**

<http://science.sciencemag.org/content/25/652.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.