

# 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.

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING, Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; CHARLES D. WALCOTT, Geology; W. M. DAVIS, Physiography; HENRY F. OSBORN, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; WILLIAM H. WELCH, Pathology; J. McKEEN CATTELL, Psychology.

FRIDAY, OCTOBER 31, 1902.

SOME FEATURES OF AMERICAN HIGHER  
EDUCATION.\*

## CONTENTS:

<i>Some Features of American Higher Education:</i> PRESIDENT EDMUND J. JAMES.....	681
<i>On the Position of the Northern Circumpolar Stars:</i> MILTON UDEGRAFF.....	689
<i>The Carnegie Institution:</i> PROFESSOR JOSEPH JASTROW, DR. CHARLES WARDELL STILES, PROFESSOR E. H. RICHARDS, BAILEY WIL- LIS .....	693
<i>Scientific Books:—</i> <i>Hay's Bibliography and Catalogue of the Fossil Vertebrata of North America:</i> PROFESSOR BASHFORD DEAN. <i>Hardesty on Neurological Technique:</i> PROFESSOR G. CARL HUBER.....	701
<i>Scientific Journals and Articles.....</i>	704
<i>Societies and Academies:—</i> <i>Research Club of the University of Michigan:</i> PROFESSOR FREDERICK C. NEWCOMBE..	704
<i>Discussion and Correspondence:—</i> <i>A Question of Terminology:</i> PROFESSOR DOUGLAS HOUGHTON CAMPBELL. <i>The Expansion of Gas into a Vacuum and the Kinetic Theory of Gases:</i> PETER FIREMAN.	705
<i>Shorter Articles:—</i> <i>Bacterium Truttæ, a New Species of Bacterium Pathogenic to Trout:</i> M. C. MARSH. <i>Discovery of a Musk-ox Skull (Ovibos cavifrons Leidy) in West Virginia:</i> J. B. HATCHER. <i>Exceptions to Mendel's Law:</i> W. J. SPILLMAN. <i>A Realistic Dream:</i> CHARLES A. WHITE.....	706
<i>Recent Zoopaleontology:—</i> <i>A Remarkable New Mammal from Japan; Eocene Sirenians in Egypt; Progress in the Exploration for Fossil Horses:</i> H. F. OS- BORN .....	713
<i>Scientific Notes and News.....</i>	715
<i>University and Educational News.....</i>	720

THE first characteristic, then, of our American system of higher education is the hearty cooperation of state, church and private effort in the work of founding and developing a group of institutions which taken as a whole should supply the need of higher training. And the educational welfare of the country demands that this cooperation shall continue, at least for an indefinite time to come.

We, as a people, cannot afford to let the interest of the state, of the church, or of private individuals in higher education languish or die. It is a striking testimony to the essential oneness of the American people, to the essential soundness of our educational life that all these different institutions are working consciously toward the same ends; that the fundamental qualities of American citizenship are developed in all alike and that the ideals of all these various institutions in this respect are the same. The alert, wide-awake, conscientious, devoted lover of his country and his kind, the prudent, painstaking, truth-loving scholar is the product of all alike. Another peculiarity of American universities distinguishing them from their

MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

\* From the inaugural address of Dr. Edmund J. James as president of Northwestern University, given on October 21, 1902.

# Science

**16 (409)**

*Science* **16** (409), 681-720.

**ARTICLE TOOLS**

<http://science.sciencemag.org/content/16/409.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.