

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; J. W. POWELL, Anthropology.

FRIDAY, JULY 11, 1902.

CONTENTS:

<i>American Association for the Advancement of Science:—</i>	
<i>The Pittsburgh Meeting:</i> DR. D. T. MACDOUGAL	41
<i>Applied Botany, Retrospective and Prospective:</i> DR. B. T. GALLOWAY	49
<i>Scientific Books:—</i>	
<i>Wolf's Histoire de l'Observatoire de Paris:</i> PROFESSOR GEORGE C. COMSTOCK. <i>Pammel and Weems on the Grasses of Iowa:</i> PROFESSOR W. J. BEAL. <i>Parker and Parker's Practical Zoology:</i> DR. M. A. BIGELOW	59
<i>Societies and Academies:—</i>	
<i>New York Academy of Sciences, Section of Astronomy, Physics and Chemistry:</i> DR. S. A. MITCHELL	63
<i>Scientific Journals and Articles</i>	63
<i>Discussion and Correspondence:—</i>	
<i>Force and Energy:</i> PROFESSOR CHARLES S.	

MINOT. <i>Ether Waves from Explosions:</i> PROFESSOR FRANCIS E. NIPHER. <i>Ecology:</i> W. F. GANONG. <i>The European Pond-snail:</i> DR. B. ELLSWORTH CALL. <i>Text-books:</i> J. STANFORD BROWN	64
<i>Shorter Articles:—</i>	
<i>A New Meteorite from Kansas:</i> DR. OLIVER C. FARRINGTON. <i>Notes on the Lafayette and Columbia Formations and some of their Botanical Features:</i> ROLAND M. HARPER. <i>Instinct in Song Birds:</i> WILLIAM E. D. SCOTT. <i>A New Short Method of Multiplication:</i> DR. D. N. LEHMER	67
<i>Current Notes on Meteorology:—</i>	
<i>Eclipse Meteorology; Rainfall Variations; Notes:</i> PROFESSOR R. DEC. WARD	74
<i>Memorial of Haller:</i> PROFESSORS MICHAEL FOSTER and PAUL HEGER	75
<i>Scientific Notes and News</i>	77
<i>University and Educational News</i>	79

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

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

THE fifty-first meeting, held in Pittsburgh, from June 28 to July 3, may be held to be fairly typical of the general development of the Association during the last few years, and as one which goes far toward realizing some of the more serious purposes of the organization.

The total number of members in attendance was 431, which places the meeting far up toward the head of the list, so far as this feature is to be taken into account, and the roll includes an unusual proportion of the worthiest names among American men of science. Especially large attendance in physics, chemistry, mechanics and engineering may be attributed to the opportunity afforded the members of inspecting the great number of manufacturing establishments in and about Pittsburgh, which exhibit some of the most modern and interesting examples of the applications of the branches in question. This feature

Science

16 (393)

Science **16** (393), 41-80.

ARTICLE TOOLS

<http://science.sciencemag.org/content/16/393.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. The title *Science* is a registered trademark of AAAS.

Copyright © 1902 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.