

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. OSBOEN, 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; WILLIAM H. WELCH, Pathology; J. McKEEN CATTELL, Psychology.

FRIDAY, MAY 8, 1903.

CONTENTS:

<i>The Endowment of Astronomical Research:</i> PROFESSOR EDWARD C. PICKERING.....	721
<i>The Nature of Nerve Irritability and of Chemical and Electrical Stimulation, II.:</i> PROFESSOR A. P. MATHEWS.....	729
<i>Stremmatograph Tests:</i> DR. P. H. DUDLEY..	733
<i>Scientific Books:—</i>	
<i>Treadwell's Analytical Chemistry:</i> H. L. W.	
<i>Pearl's Movements and Reactions of Fresh-water Planarians:</i> DR. ROBERT YERKES.	
<i>Pratt's Course in Invertebrate Zoology:</i> PROFESSOR H. S. JENNINGS.....	736
<i>Societies and Academies:—</i>	
<i>Geological Society of Washington:</i> W. C. MENDENHALL. <i>The Society for Experimental Biology and Medicine:</i> DR. WILLIAM J. GIES. <i>New York Academy of Sciences: Section of Biology:</i> M. A. BIGELOW; <i>Section of Astronomy, Physics and Chemistry:</i> DR. S. A. MITCHELL. <i>Columbia University Geological Journal Club:</i> H. W. SHIMER. <i>Northeastern Section of the American Chemical Society:</i> ARTHUR M. COMEY. <i>Psychological Club of Cornell University..</i>	739
<i>Discussion and Correspondence:—</i>	
<i>Walbaum and Binomialism:</i> DR. THEO. GILL. <i>The New Mexico Normal University:</i> PROFESSOR T. D. A. COCKERELL.....	744
<i>Shorter Articles:—</i>	
<i>The Use of Pneumatic Tools in the Preparation of Fossils:</i> E. S. RIGGS. <i>Transferring Thermometric Readings:</i> S. W. DUDLEY. <i>Discovery of Dental Grooves and Teeth in the Type of Bantanodon (Sauranodon) Marsh:</i> CHARLES W. GILMORE. <i>The Bitter-rot Fungus:</i> DR. HERMANN VON SCHRENK, PERLEY SPAULDING	747
<i>Quotations:—</i>	
<i>The Index Medicus; The Presidency at the University of Virginia.....</i>	751
<i>Current Notes on Meteorology:—</i>	
<i>General Circulation of the Atmosphere:</i> PROFESSOR R. DE C. WARD.....	752

<i>The Light of Nova Gemmorum:</i> PROFESSOR EDWARD C. PICKERING.....	753
<i>Brain-weight, Cranial Capacity and the Form of the Head, and their Relations to the Mental Powers of Man:</i> DR. E. A. SPITZKA.	753
<i>The St. Louis Congress of Arts and Sciences.</i>	754
<i>Scientific Notes and News.....</i>	756
<i>University and Educational News.....</i>	759

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.

THE ENDOWMENT OF ASTRONOMICAL RESEARCH.

THE unexampled prosperity of the United States, during the past few years, has given it the industrial supremacy of the world in many departments. A similar advance is to be expected in its scientific progress, especially in astronomy, if equal skill is shown in organization and development. The vast fortunes now being accumulated must, during the next few years, lead to gifts and endowments on a scale unparalleled in the past. It is not an easy matter to make large gifts wisely, and probably many of the most brilliant men in the country, having amassed large fortunes, are now trying to decide how they can bestow them to the best advantage. To establish a university of the highest grade a large sum of money is required. For instance, Harvard for many years has had an annual income exceeding a million dollars. To duplicate

Science

17 (436)

Science 17 (436), 721-760.

ARTICLE TOOLS

<http://science.sciencemag.org/content/17/436.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.