

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, DECEMBER 26, 1902.

THE SCIENTIFIC ASPECT OF MODERN MEDICINE.*

THE origin and development of medical science are contemporaneous with the origin and development of mankind. So long as man has been, so long has been disease; and whenever man has suffered, man has tried to heal. The foundations of medicine lie deep in that soil of common knowledge from which arose all the sciences, and throughout its history it has freely absorbed the discoveries of them all. From the first it has been, and it must ever remain, their common meeting-place. In proportion as its spirit and its methods have been scientific it has progressed toward ultimate perfection. Yet, notwithstanding the importance of science to medicine, from first to last medicine has been permeated by the pernicious influence of empiricism. A wise man once said that all true science begins with empiricism, and medical science is a striking example of this fact. But it made an early effort to free itself. The most brilliant epoch of Grecian history is marked no more immortally by the wisdom of Socrates, the histories of Herodotus, the tragedies of Æschylus, and the art of Phidias, than by the medicine of Hippocrates and his followers, for this represents the first re-

* An address delivered before the School of Medicine at the quarto-centennial celebration of the University of Colorado, November 14, 1902.

CONTENTS:

| | |
|---|------|
| <i>The Scientific Aspect of Modern Medicine:</i> PROFESSOR FREDERIC S. LEE..... | 1001 |
| <i>Histories and Bibliographies of Physics:</i> PROFESSOR C. R. MANN..... | 1016 |
| <i>University Registration Statistics:</i> RUDOLPH TOMBO, JR..... | 1021 |
| <i>New Departures in the Bibliographical Work of the Concilium Bibliographicum.....</i> | 1023 |
| <i>Societies and Academies:—</i> | |
| <i>The American Association for the Advance- ment of Science. The Geological Society of Washington:</i> ALFRED H. BROOKS. <i>North Eastern Section of the American Chemical Society:</i> ARTHUR M. COMEY. <i>The New Eng- land Association of Chemistry Teachers. Columbia University Geological Journal Club:</i> H. W. SHIMER. <i>Boston Society of Natural History:</i> GLOVER M. ALLEN..... | 1027 |
| <i>Discussion and Correspondence:—</i> | |
| <i>The Stratigraphic Position of the Judith River Beds:</i> T. W. STANTON. <i>The Prickles of Xanthoxylum:</i> ALFRED REHDER. <i>Natural History in England:</i> PROFESSOR E. B. TITCHENER. <i>Tree Trunks found with Mastodon Remains:</i> REGINALD GORDON. <i>The Carnegie Institution:</i> A. L. HERRERA..... | 1031 |
| <i>Shorter Articles:—</i> | |
| <i>The First Use of Mammals and Mammal- ians:</i> DR. THEO. GILL. <i>The Starting Point for Generic Nomenclature in Botany:</i> C. L. SHEAR. <i>Mosquito Development and Hiber- nation:</i> J. W. DUPREE, H. A. MORGAN. | 1034 |
| <i>The Convocation of Scientific Societies.....</i> | 1038 |
| <i>Scientific Notes and News.....</i> | 1038 |
| <i>University and Educational News.....</i> | 1040 |

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.

Science

16 (417)

Science **16** (417), 1001-1040.

ARTICLE TOOLS

<http://science.sciencemag.org/content/16/417.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.