

# 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, AUGUST 11, 1905.

BIOLOGY AND MATHEMATICS.<sup>1</sup>

## CONTENTS.

*Biology and Mathematics:* PROFESSOR GEORGE  
BRUCE HALSTED..... 161

*The Admission of Students to College by Cer-  
tificate:* PRESIDENT GEORGE E. MACLEAN.. 167

### Scientific Books:—

*Ames's Text-book of General Physics:* PRO-  
FESSOR W. LE CONTE STEVENS. *Aldrich's*  
*Catalogue of North American Diptera:*  
CHARLES T. BRUES..... 175

*Scientific Journals and Articles*..... 177

### Discussion and Correspondence:—

*The Needs of Scientific Men:* T. D. A. COCK-  
ERELL. *The Editorship of the Engineering*  
*and Mining Journal:* R. T. H..... 178

### Special Articles:—

*A Footnote to the Ancestral History of the*  
*Vertebrate Brain:* PROFESSOR WILLIAM A.  
LOCY. *The Importance of Investigations of*  
*Seedling Stages:* J. A. HARRIS..... 180

### Current Notes on Meteorology:—

*Cyclonic and Anticyclonic Temperatures;*  
*Meteorology at Colorado College; Neolithic*  
*Dew-Ponds; Pilot Charts of North Atlantic*  
*and North Pacific Oceans; Suicide and the*  
*Weather:* PROFESSOR R. DEC. WARD..... 186

*Recent Vertebrate Paleontology:* H. F. O..... 188

*Scientific Notes and News*..... 189

*University and Educational News*..... 191

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

THAT which is most characteristic of the present epoch in the history of man is undoubtedly the vast and beneficent growth of science.

In things apart from science, other races at times long past may be compared to the most civilized people of to-day.

The lyric poetry of Sappho has never been equaled. The epic flavor of Homer, even after translation, comes down to us unsurpassed through the ages.

Dante, the voice of ten silent centuries, may wait another ten centuries before his medieval miracle of song finds its peer.

The Apollo Belvidere, the Venus of Milo, the Laocoon, are the glory of antique, the despair of modern sculpture. To mention oratory to a schoolboy is to recall Demosthenes and Cicero, even if he has never pictured Caesar, that greatest of the sons of men, quelling the mutinous soldiery by his first word, or with outstretched arm, in Egypt's palace window, holding enthralled his raging enemies, gaining precious moments, *time*, the only thing he needed to enable him to crush them under his dominant intellect.

There is no need for multiplying examples. The one thing that gives the present generation its predominance is science.

All criticisms of life made before science had taken its present place, or attempting to ignore its prominence, are obsolete, as are of necessity any systems founded on pre-scientific or anti-scientific conceptions.

<sup>1</sup> Address before the Ohio Academy of Science.