

# 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; J. LE CONTE, Geology; W. M. DAVIS, Physiography; O. C. MARSH, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; HENRY F. OSBORN, General Biology; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; J. MCKEEN CATTELL, Psychology; DANIEL G. BRINTON, J. W. POWELL, Anthropology.

FRIDAY, DECEMBER 23, 1898.

ZOOLOGY AND THE PHILOSOPHY OF EVOLUTION.\*

## CONTENTS:

<i>Zoology and the Philosophy of Evolution</i> : PROFESSOR W. K. BROOKS.....	881
<i>Fermentation without Living Cells and Synthetic Protein</i> : DR. H. W. WILEY.....	893
<i>The 'Feeling of Being Stared At'</i> : PROFESSOR E. B. TITCHENER.....	895
<i>What is Sciurus variegatus Erleben?</i> E. W. NELSON.....	897
<i>Notes on Physics</i> :—	
<i>Transformer Design; Underground Electric Currents in New York City; High-Voltage Power Transmission</i> : W. S. F.....	898
<i>Notes on Inorganic Chemistry</i> : J. L. H.....	899
<i>Current Notes on Anthropology</i> :—	
<i>Russian Ethnography; Argentine Ethnography; The Ethnological Survey of Canada</i> : PROFESSOR D. G. BRINTON.....	901
<i>Scientific Notes and News</i> .....	902
<i>University and Educational News</i> .....	905
<i>Discussion and Correspondence</i> :—	
<i>Anlage or Proton?</i> : PROFESSOR CHARLES SEDGWICK MINOT. <i>Is the Beach Pea Food or Poison?</i> : JOHN MURDOCH.....	906
<i>Scientific Literature</i> :—	
<i>Encyklopaedie der Mathematischen Wissenschaften</i> : PROFESSOR GEORGE BRUCE HALSTED. <i>Darwin on The Tides</i> : R. S. W. <i>Gage's Elements of Physics</i> : W. LE CONTE STEVENS. <i>Van't Hoff's Leçons de chimie physique</i> : PROFESSOR HARRY C. JONES. <i>Moore's Laboratory Directions for Beginners in Bacteriology</i> : DR. WM. H. PARK. <i>General</i> .....	907
<i>Scientific Journals</i> .....	916
<i>Societies and Academies</i> :—	
<i>Entomological Society of Washington</i> : DR. L. O. HOWARD. <i>Biological Society of Washington</i> : F. A. LUCAS. <i>The New York Section of the American Chemical Society</i> : DR. DURAND WOODMAN. <i>Section of Psychology and Anthropology of the New York Academy of Sciences</i> : C. B. BLISS. <i>Students' Club and Geological Conference of Harvard University</i> : J. M. BOUTWELL. <i>The Academy of Science of St. Louis</i> : PROFESSOR WILLIAM TRELEASE.....	917
<i>New Books</i> .....	920

"I have nothing to say to any Philosophy of Evolution. \* \* \* Attempts to construct such a philosophy may be useful, but in my judgment they are premature."—HUXLEY: 'Collected Essays,' V.

THE facts given in the last two lectures seem to show that we cannot expect much from the 'Lamarckian factors,' even if they should prove to be factors; and while this impression may be wrong, it seems to be the rational frame of mind until it has proved wrong.

He who follows the current literature of zoology finds that many writers assure him, in effect, that the years which Darwin and Wallace gave to hard labor on the problem of species were thrown away, since all they tried to find out by hard work might have been deduced from the Philosophy of Evolution.

We were warned, long ago, that "whoever, unable to doubt and eager to affirm, shall establish principles, and, according to the unmoved truth of these, shall reject or receive others, \* \* \* he shall exchange things for words, reason for insanity, the world for a fable, and shall be incapable of interpreting."

In 'philosophy' current history is sometimes ancient history, and the ardent dis-

\* One of a course of lectures on the Foundations of Zoology as delivered in Columbia University, December, 1898.

# Science

**8 (208)**

*Science* **8** (208), 881-920.

**ARTICLE TOOLS**

<http://science.sciencemag.org/content/8/208.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.