

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, Invertebrate Zoölogy; C. HART MERRIAM, Vertebrate Zoölogy; S. H. SCUDDER, Entomology; N. L. BRITTON, Botany; HENRY F. OSBORN, General Biology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; J. McKEEN CATTELL, Psychology; DANIEL G. BRINTON, J. W. POWELL, Anthropology; G. BROWN GOODE, Scientific Organization.

FRIDAY, MARCH 20, 1896.

VIVISECTION.*

CONTENTS:

<i>Vivisection; A Statement in behalf of Science</i>	421
<i>Certitudes and Illusions; An Illusion concerning Rest: J. W. POWELL</i>	426
<i>Scientific Notes and News:—</i>	
<i>Astronomy: H. J. Marine Organisms; General</i>	433
<i>University and Educational News</i>	437
<i>Discussion and Correspondence:—</i>	
<i>Heredity and Instinct: J. MARK BALDWIN. Instinct: WESLEY MILLS. Peculiar Abraision of Tree Trunks: PERCY M. VAN EPPS. The Puma, or Mountain Lion: MERIDEN S. HILL. Logic and the Retinal Image: W. K. BROOKS. Certitudes and Illusions: J. W. POWELL</i>	438
<i>Scientific Literature:—</i>	
<i>William's Geological Biology: W. H. D. Winge on Brazilian Carnivora: GERRIT S. MILLER, JR. Keane's Ethnology: D. G. BRINTON. Volcanic Rocks: J. B. WOODWORTH</i>	445
<i>Scientific Journals:—</i>	
<i>The Astro-physical Journal; The American Geologist</i>	450
<i>Societies and Academies:—</i>	
<i>Philosophical Society of Washington: BERNARD R. GREEN. Entomological Society of Washington; New York Academy of Sciences, Biological Section: C. L. BRISTOL. Section of Astronomy and Physics: W. HALLOCK. Boston Society of Natural History: SAMUEL HENSHAW. Academy of Natural Sciences of Philadelphia: EDW. J. NOLAN. Northwestern University Science Club: A. R. CROOK. Academy of Science of St. Louis: WILLIAM TRELEASE</i>	452

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

A STATEMENT IN BEHALF OF SCIENCE.

So long ago as the autumn of 1866 there were published in New York denunciations of the practice of making upon living animals those scientific observations and ex-

* The sciences which have to do with animal experimentation are physiology, physiological chemistry, pharmacology, medical chemistry, toxicology, morphology (including anatomy and embryology), bacteriology, pathology, medicine and surgery. These sciences are largely represented in this country by the American Physiological Society, the American Society of Morphologists, the American Anatomical Society, the American Society of Naturalists, the American Society of Physicians, and the American Society of Surgeons.

In December last the presidents of the above societies were invited to appoint members of a joint committee to sit in Philadelphia on the occasion of the annual meeting in that city of several of these associations.

The accompanying 'statement in behalf of science' was adopted by this joint committee of thirty-four members, and is now published over their signatures, with the addition of several names of persons specially qualified to speak on the subject, but not members of the committee. It sets forth the importance of animal experimentation for the advancement of medicine, and may be accepted as an authoritative expression of expert opinion on this question.

(Signed) CHARLES W. ELIOT,
President of Harvard University.

FRANCIS A. WALKER,
President of the Massachusetts Institute of Technology.

FRANK K. PADDOCK,
President of the Massachusetts Medical Society.

BOSTON, February 24, 1896.