

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; 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.

FRIDAY, OCTOBER 23, 1896.

CONTENTS:

| | |
|---|-----|
| <i>The American Association for the Advancement of Science:—</i> | |
| <i>Address of the Vice-President before Section F. Zoology: Some questions in Nomenclature: THEODORE GILL.....</i> | 581 |
| <i>Section F, Zoology: D. S. KELLICOTT.....</i> | 601 |
| <i>The Geographical Section of the British Association: ROBERT HUGH MILL.....</i> | 606 |
| <i>Chemistry at the British Association: J. L. H.....</i> | 610 |
| <i>Relations of the Lemurs Primates and Ungulates</i> | 611 |
| <i>Current Notes on Physiography:—</i> | |
| <i>Grape-belt of Western New York; The Gorge of the Aar; Alaï and Pamir; Notes: W. M. DAVIS.....</i> | 611 |
| <i>Current Notes on Anthropology:—</i> | |
| <i>Ruins in South Africa: Antiquities of Costa Rica: D. G. BRINTON.....</i> | 613 |
| <i>Astronomical Notes: H. J.</i> | 614 |
| <i>Scientific Notes and News.....</i> | 614 |
| <i>University and Educational News.</i> | 617 |
| <i>Discussion and Correspondence:—</i> | |
| <i>Comparison between the Use of Fixed and Movable Circles in the Determination of Declinations by Meridian Circle: R. H. TUCKER</i> | 618 |
| <i>Scientific Literature:—</i> | |
| <i>LeConte's Elements of Geology: G. K. GILBERT. Ratze's History of Mankind: D. G. BRINTON....</i> | 620 |
| <i>Societies and Academies:—</i> | |
| <i>The New York Academy of Sciences: WM. HALLOCK. Academy of Natural Sciences of Philadelphia: EDWARD J. NOLAN. Torrey Botanical Club: H. H. RUSBY.....</i> | 622 |
| <i>Scientific Journals:—</i> | |
| <i>American Chemical Journal: J. ELLIOTT GILPIN.....</i> | 623 |
| <i>New Books.....</i> | 624 |

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.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

SOME QUESTIONS OF NOMENCLATURE.*

INTRODUCTION.

I HAD originally selected for the address which it is my duty and privilege to give to-day a very different subject† from that which I am now to discuss; but the renewed and lively interest which is being manifested at present in the ever-troublesome subject of nomenclature has led me to take it as my theme. I have been especially influenced, too, by the consideration that a committee was appointed at the last Zoological Congress, held at Leyden, to consider the subject, and suggestions have been asked for.‡ Of the multitudinous

* Address by Vice-President of Section F.—Zoology.

I avail myself of the opportunity to correct the proof of my address for SCIENCE, to add a few typographical corrections (not made in the proofs for the *Proceedings* of the Association) as well as some additional notes.

† Animals as Chronometers for Geology.

‡ The Third International Zoological Congress, (Leyden Sept., 1895), appointed an International Commission of five members to study the various codes of nomenclature in use in different countries. This commission is composed of Dr. Raphael Blanchard (France), Prof. Carus (Germany), Prof. Jentink (Holland), Dr. Sclater, (England), and Dr. Stiles (United States). Dr. Stiles requested the appointment of an American Advisory Committee. This Advisory Committee has now been completed and is made up as follows:

"Dr. Gill, representing the National Academy of