

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, 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, JUNE 12, 1896.

CONTENTS:

<i>Weismann on Germinal Selection:</i>	E. G. CONKLIN..853
<i>The Smeeth Separating Apparatus:</i>	J. S. DILLER..857
<i>Current Notes on Physiography:—</i>	
<i>Valleys of the Ozark Plateau; Coastal Desert of Peru; Lakes in the Sahara near Timbuktú; Physiography of Montenegro:</i>	W. M. DAVIS.....858
<i>Current Notes on Meteorology:—</i>	
<i>International Cloud Stations; Illustrations of Cloud Types; The St. Louis, Mo., Tornado of May 27th; Climate of the Falkland Islands:</i>	R. DE C. WARD..860
<i>Current Notes on Anthropology:—</i>	
<i>Racial Elements in Assam; The Tupi Linguistic Stock:</i>	D. G. BRINTON.....861
<i>Scientific Notes and News:—</i>	
<i>The Colors Named in Literature; General.....</i>	861
<i>University and Educational News.....</i>	865
<i>Discussion and Correspondence:—</i>	
<i>Professor Bigelow's Solar Magnetic Work:</i>	M. VARIATION OF GLACIERS: HARRY FIELDING REID.
<i>Life Habits of Phrynosoma:</i>	R. W. SHUFELDT.
<i>Bows and Arrows of Central Brazil:</i>	O. T. MASON..866
<i>Scientific Literature:—</i>	
<i>Fossil Plants of the Wealden:</i>	LESTER F. WARD.
<i>Lesley's Summary Description of the Geology of Pennsylvania:</i>	JOHN J. STEVENSON.
<i>Meteorological Reprints:</i>	R. DE C. WARD.....869
<i>Scientific Journals:—</i>	
<i>Psyche.....</i>	878
<i>Societies and Academies:—</i>	
<i>Biological Society of Washington:</i>	F. A. LUCAS.
<i>Geological Society of Washington:</i>	W. F. MORSELL.
<i>Academy of Natural Sciences of Philadelphia:</i>	EDW. J. NOLAN.....878
<i>New Books.....</i>	880

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.

WEISMANN ON GERMINAL SELECTION.

THIS last contribution of Prof. Weismann to his system of inheritance and evolution hypotheses was presented to the International Congress of Zoölogists at Leyden last September. It was published in German at the beginning of the current year, and has just appeared in English as No. 19 of the Religion of Science Series (Open Court Publishing Co., Chicago).

It is evident from many expressions throughout the paper that Prof. Weismann considers this one of the most important of all his contributions on the evolution problem, and even those who cannot accept this most advanced and in some respects most speculative of all his hypotheses will nevertheless be inclined to regard the paper as important in marking some fundamental changes in Weismann's position.

During the long continued discussion between Weismann, Spencer and others there was a feeling in certain quarters that something was wrong with the methods employed and that the deadlock of opinion could not be broken by inductive reasoning alone. Weismann's present paper, however, gives evidence that many of the objections raised by his opponents have taken deep hold upon him, and have, in fact, convinced him that his former position was untenable. "The real aim of the present essay," says Weismann, "is to rehabilitate the principle of selection. If I should suc-