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.

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING, Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; CHARLES D. WALCOTT, Geology; W. M. DAVIS, Physiography; HENRY F. OSBORN, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; C. S. MINOT, Embryology, Histology; H. P. BOW-DITCH, Physiology; J. S. BILLINGS, Hygiene; WILLIAM H. WELCH, Pathology; J. MCKEEN CATTELL, Psychology.

FRIDAY, DECEMBER 19, 1902.

CONTENTS;

The Academy of Sciences: PROFESSOR J. MC-KEN CATTELL 965 The Annual Address of the President of the Royal Society 974 The Carnegie Institution. 978 Scientific Books: 878 Spiller on the Mind of Man: PROFESSOR 978 Scientific Books: 878 Spiller on the Mind of Man: PROFESSOR 980 Socientific Journals and Articles. 980 Scientific Journals and Articles. 982 Societies and Academies: The American Association for the Advancement of Science. The Geological Society of Washington: F. A. LUCAS. The Research Club of the University of Michigan: FREDERICK C. New COMBE 983 Discussion and Correspondence: 776 The Carnegie Institution: PROFESSOR S. E. MEZES, CHARLES H. STERNBERG, ROSWELL H. JOHNSON, PROFESSOR W. A. NOYES. The Onondaga Lake Squids: DE. JOHN M. CLARKE. The Fossil Tree Bridge in the Arizona Petrified Forest: PROFESSOR HENRY 987 Shorter Articles: Mendel's Principles of Heredity and the Maturation of the Germ-cells: PROFESSOR 991 The Enlargement of the Naples Station: PRo-FESSOR T. H. MORGAN. 993 Notes on Inorganic Chemistry: 993 Notes on Inorganic C	Policy of the Smithsonian Institution	961
The Annual Address of the President of the Royal Society 974 The Carnegie Institution 978 Scientific Books:	The Academy of Sciences: PROFESSOR J. MC-	
The Annual Address of the President of the Royal Society 974 The Carnegie Institution 978 Scientific Books:	KEEN CATTELL	965
The Carnegie Institution 978 Scientific Books:	The Annual Address of the President of the	
The Carnegie Institution 978 Scientific Books:	Royal Society	974
Spiller on the Mind of Man: PROFESSOR JOSEPH JASTROW. Archiv für Protisten- kunde: G. N. C	The Carnegie Institution	978
kunde: G. N. C	Scientific Books:	
kunde: G. N. C	Spiller on the Mind of Man: Professor	
kunde: G. N. C	JOSEPH JASTROW. Archiv für Protisten-	
 Scientific Journals and Articles	kunde! G. N. C.	980
 Societies and Academies:— The American Association for the Advancement of Science. The Geological Society of Washington: ALFRED H. BROOKS. The Biological Society of Washington: F. A. LUCAS. The Research Club of the University of Michigan: FREDERICK C. NEW COMBE	Scientific Journals and Articles	982
ment of Science. The Geological Society of Washington: ALFRED H. BROOKS. The Biological Society of Washington: F. A. LUCAS. The Research Club of the Uni- versity of Michigan: FREDERICK C. NEW- COMBE	Societies and Academies:—	
of Washington: ALFRED H. BROOKS. The Biological Society of Washington: F. A. LUCAS. The Research Club of the Uni- versity of Michigan: FREDERICK C. NEW- COMBE		
Biological Society of Washington: F. A. LUCAS. The Research Club of the Uni- versity of Michigan: FREDERICK C. NEW- COMBE	ment of Science. The Geological Society	
LUCAS. The Research Club of the University of Michigan: FREDERICK C. NEW- COMBE	of Washington: Alfred H. BROOKS. The	
LUCAS. The Research Club of the University of Michigan: FREDERICK C. NEW- COMBE	Biological Society of Washington: F. A.	
COMBE	LUCAS. The Research Club of the Uni-	
COMBE	versity of Michigan: FREDERICK C. NEW-	
The Carnegie Institution: PROFESSOR S. E. MEZES, CHARLES H. STERNBERG, ROSWELL H. JOHNSON, PROFESSOR W. A. NOYES. The Onondaga Lake Squids: DR. JOHN M. CLARKE. The Fossil Tree Bridge in the Arizona Petrified Forest: PROFESSOR HENRY F. OSBORN	сомве	983
MEZES, CHARLES H. STERNBERG, ROSWELL H. JOHNSON, PROFESSOR W. A. NOYES. The Onondaga Lake Squids: DR. JOHN M. CLARKE. The Fossil Tree Bridge in the Arizona Petrified Forest: PROFESSOR HENRY F. OSBORN	Discussion and Correspondence:—	
H. JOHNSON, PROFESSOR W. A. NOYES. The Onondaga Lake Squids: DR. JOHN M. CLARKE. The Fossil Tree Bridge in the Arizona Petrified Forest: PROFESSOR HENRY F. OSBORN	The Carnegie Institution: Professor S. E.	
Onondaga Lake Squids: DR. JOHN M. CLARKE. The Fossil Tree Bridge in the Arizona Petrified Forest: PROFESSOB HENRY F. OSBORN		
CLARKE. The Fossil Tree Bridge in the Arizona Petrified Forest: PROFESSOB HENRY F. OSBORN	H. JOHNSON, PROFESSOR W. A. NOYES. The	
Arizona Petrified Forest: PROFESSOB HENRY 987 Shorter Articles:		
F. OSBORN		
 Shorter Articles:— Mendel's Principles of Heredity and the Maturation of the Germ-cells: PROFESSOR EDMUND B. WILSON	Arizona Petrified Forest: PROFESSOB HENRY	
Mendel's Principles of Heredity and the Maturation of the Germ-cells: PROFESSOR EDMUND B. WILSON		987
 EDMUND B. WILSON	Shorter Articles:—	
 EDMUND B. WILSON	Mendel's Principles of Heredity and the	
 EDMUND B. WILSON	Maturation of the Germ-cells: Professor	
FESSOR T. H. MORGAN	Edmund B. Wilson	991
FESSOR T. H. MORGAN	The Enlargement of the Naples Station: PRO-	÷
The Telluric Distribution of the Elements; The Nature of Alloys; The Training of Technical Chemists in England: J. L. H 994 Current Notes on Physicgraphy:— Northeast Labrador; Physical Geography of New York: New Man of Switzerland:	FESSOR T. H. MORGAN	993
The Nature of Alloys; The Training of Technical Chemists in England: J. L. H 994 Current Notes on Physicgraphy:— Northeast Labrador; Physical Geography of New York: New Man of Switzerland:	Notes on Inorganic Chemistry:—	
Technical Chemists in England: J. L. H 994 Current Notes on Physiography:— Northeast Labrador; Physical Geography of New York: New Man of Switzerland:		
Current Notes on Physiography:— Northeast Labrador; Physical Geography of New York: New Map of Switzerland:	The Nature of Alloys; The Training of	
Northeast Labrador; Physical Geography of New York: New Map of Switzerland:		994
of New York: New Map of Switzerland:	Unrent Notes on Physiography:-	
of New York; New Map of Surtzerland: PROFESSOR W. M. DAVIS,	Northeast Labrador; Physical Geography	
Scientific Notes and News	Downgoon W. M. Dawyg	0.05
Sciencific noises and news	RUFESSUK W. M. DAVIS.	999
University and Educational News 1000	Iniversity and Educational News	990 1000

POLICY OF THE SMITHSONIAN INSTITUTION.

IN our issue of November 21, we commented on certain recent proceedings of the Smithsonian Institution having an important bearing on the question of its policy. We now return to the subject, in order to review the question at issue from a more comprehensive standpoint.

The Smithsonian Institution should be regarded as a sacred trust confided to our government by a foreigner for a specific purpose. We are bound to administer this trust in accordance with the expressed will of the donor, who defined it as 'an institution for the increase and diffusion of knowledge among men.' A point of fundamental importance which should not be overlooked is that the bequest was not made to second the efforts of our government to increase and diffuse knowledge, but to found an institution which should itself do so. Questions to be considered are: What are the funds available for these purposes and how are they used to increase and diffuse knowledge? We summarize from the last annual report the following