

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, MARCH 26, 1897.

CONTENTS:

<i>The Forest Reservation Policy</i> : B. E. FERNOW . . .	489
<i>Experiments upon Metabolism in the Human Body, under the Direction of the United States Department of Agriculture</i>	493
<i>An Induction Coil Method for X-Rays</i> : CHARLES L. NORTON, RALPH R. LAWRENCE.....	496
<i>The New York State Science Teachers' Association (II.), including Addresses by Ralph S. Tarr and Richard E. Dodge</i> : FRANKLIN W. BARROWS..	498
<i>Current Notes on Physiography</i> :— <i>Tennessee Valley Region, Alabama; The Preglacial Kanawha Again; Stages of Appalachian Erosion; Baltzer on the Diluvial Aar Glacier</i> : W. M. DAVIS.....	507
<i>Current Notes on Meteorology</i> :— <i>The Teaching of Climatology in Medical Schools; Sunstroke Weather of August, 1896; Deforestation and Rainfall</i> : R. DEC. WARD.....	508
<i>Current Notes on Anthropology</i> :— <i>The European 'Quaternary' Man; The African Dwarfs</i> : D. G. BRINTON.....	509
<i>Scientific Notes and News</i> :— <i>A Bill for the Suppression of Science, Literature and Art; General</i>	510
<i>University and Educational News</i>	514
<i>Discussion and Correspondence</i> :— <i>The Former Extension of Ice in Greenland</i> : R. S. TARR, T. C. CHAMBERLIN. <i>History of Elementary Mathematics</i> : FLORIAN CAJOBI.....	515
<i>Scientific Literature</i> :— <i>Creighton's Microscopic Researches on the Formative Property of Glycogen</i> : R. H. CHITTENDEN. <i>Barnes' Analytical Keys to the Genera and Species of North American Mosses</i> : GEO. F. ATKINSON..	517
<i>Scientific Journals</i> :— <i>Journal of Geology</i> : H. F. B. <i>American Chemical Journal</i> : J. ELLIOTT GILPIN. <i>The Astrophysical Journal</i>	519
<i>Societies and Academies</i> :— <i>Torrey Botanical Club</i> : EDWARD S. BURGESS.	

Science Club of the University of Wisconsin. W. S. MARSHALL. *The Academy of Science of St. Louis*: WM. TRELEASE. *Science Club of Northwestern University*: THOMAS F. HOLGATE..... 523
New Books.....524

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.

THE FOREST RESERVATION POLICY.

ON March 3, 1891, the Congress of the United States enacted into law a new and important policy, namely, that the government should own and hold in perpetuity certain lands other than those needed for its immediate purposes or those set aside for parks.

This departure from the accepted policy of the past, according to which the public domain is held by the government only until it can be disposed of to actual settlers, was based upon the perception that a forest cover on slopes and mountains must be maintained to regulate the flow of streams, to prevent erosion and thereby to maintain favorable conditions in the plains below.

Enormous devastation of the public timber by theft and fire has gone on for decades, through absence of any care and through lack of any rational system in the manner of permitting the utilization of the wood material by the resident population. For the last 25 years every Secretary of the Interior, every Commissioner of the General Land Office, has pointed out this deplorable condition and has asked for legisla-

Science

5 (117)

Science 5 (117), 489-524.

ARTICLE TOOLS

<http://science.sciencemag.org/content/5/117.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.