

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; C. E. BESSEY, N. L. BRITTON, Botany; HENRY F. OSBORN, General Biology; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; J. MCKEEN CATTELL, Psychology; DANIEL G. BRINTON, J. W. POWELL, Anthropology.

FRIDAY, OCTOBER 28, 1898.

CONTENTS:

<i>Address of the President before the British Association for the Advancement of Science, Bristol, 1898</i> (L.): SIR WILLIAM CROOKES.....	561
<i>Variations in the Rate of Agricultural Productions and One of their Causes:</i> JOHN HYDE	575
<i>On the Reappearance of the Tile-fish (<i>Lopholatilus chamaeleonticeps</i>):</i> PROFESSOR H. C. BUMPUS.....	576
<i>Seriation Curves of the Cephalic Index:</i> DR. WILLIAM Z. RIPLEY	578
<i>The International Conference on Terrestrial Magnetism:</i> C. A. SCHOTT.....	582
<i>The Tenth Annual Meeting of the Association of Economic Entomologists:</i> C. L. MARLATT.....	584
<i>Notes on Inorganic Chemistry:</i> J. L. H.....	585
<i>Botanical Notes:—</i>	
<i>A Study of Toadstools; A Southern Fern far from Home; The Function of Bloom; A Tiny Pine Tree:</i> PROFESSOR CHARLES E. BESSEY.....	587
<i>Current Notes on Anthropology:—</i>	
<i>Botanical Knowledge of the Ancient Aztecs; Sexual Dimorphism in Man; Heredity; A Contrast:</i> PROFESSOR D. G. BRINTON	588
<i>Scientific Notes and News:—</i>	
<i>The Conference on an International Catalogue of Scientific Literature; General.....</i>	589
<i>University and Educational News.....</i>	594
<i>Discussion and Correspondence:—</i>	
<i>A Rule for Finding the Day of the Week:</i> EDWARD L. STABLER. <i>An Apple Canker:</i> W. PADDOCK. <i>Wampum Belts:</i> W. M. BEAUCHAMP.....	594
<i>Scientific Literature:—</i>	
<i>Detmer's Plant Physiology:</i> PROFESSOR J. C. ARTHUR. <i>Classen's Quantitative Chemical Analysis by Electrolysis; Oettel's Electro-chemical Experiments and Exercises in Electro-chemistry:</i> H. C. J.....	597
<i>Scientific Journals.....</i>	599
<i>New Books.....</i>	600

ADDRESS OF THE PRESIDENT BEFORE THE
BRITISH ASSOCIATION FOR THE AD-
VANCEMENT OF SCIENCE, BRIS-
TOL, 1898.

I.

FOR the third time in its history the British Association meets in your City of Bristol. The first meeting was held under the presidency of the Marquis of Lansdowne in 1836, the second under the presidency of Sir John Hawkshaw in 1875. Formerly the President unrolled to the meeting a panorama of the year's progress in physical and biological sciences. To-day the President usually restricts himself to specialities connected with his own work or deals with questions which for the time are uppermost. To be President of the British Association is undoubtedly a great honor. It is also a great opportunity and a great responsibility; for I know that, on the wings of the press, my words, be they worthy or not, will be carried to all points of the compass. I propose first to deal with the important question of the supply of bread to the inhabitants of these islands, then to touch on subjects to which my life work has been more or less devoted. I shall not attempt any general survey of the sciences; these, so far as the progress in them demands attention, will be more fitly brought before you in the different sections, either in the addresses of the presidents or in communications from members.

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