

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. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; WILLIAM H. WELCH, Pathology; J. McKEEN CATTELL, Psychology.

FRIDAY, OCTOBER 17, 1902.

THE CARNEGIE INSTITUTION.

CONTENTS:

<i>The Carnegie Institution:</i> DR. W. J. HOLLAND, PROFESSOR CHARLES E. BESSEY, PROFESSOR THEO. D. A. COCKERELL, PROFESSOR W. F. GANONG, PROFESSOR E. B. TITCHENER, DR. W J MCGEE.....	601
<i>Professional Schools and the Length of the College Course:</i> PRESIDENT NICHOLAS MURRAY BUTLER.....	613
<i>The Address of the President of the British Association for the Advancement of Science, III.:</i> PROFESSOR JAMES DEWAR.....	621
<i>Scientific Books:—</i>	
<i>Notes on Naval Progress:</i> PROFESSOR R. H. THURSTON	631
<i>Scientific Journals and Articles.....</i>	632
<i>Shorter Articles:—</i>	
<i>On the Structure of the Nucleus:</i> PROFESSOR C. BARUS.....	636
<i>Current Notes on Physiography:—</i>	
<i>Rivers of Southern Indiana; Rivers of South Wales; Dissection of Laccoliths:</i> PROFESSOR W. M. DAVIS.....	636
<i>Scientific Notes and News.....</i>	637
<i>University and Educational News.....</i>	639

TO THE EDITOR OF SCIENCE: I certainly appreciate your kind letter inviting me to join with you and others in publicly discussing in the columns of SCIENCE the question of the endowment of scientific research with special reference to the possibilities which are wrapped up in Mr. Carnegie's recent gift to the institution in Washington. Without such an invitation coming from you I should have hesitated to give utterance to any of the thoughts which naturally have arisen in my mind in this connection. I feel delicacy in making suggestions touching matters in reference to which my opinion has not been solicited. But when the editor of SCIENCE asks me to speak I cannot refuse to comply with his request.

There is but one truly scientific mind in the universe, whose vision sweeps from Sol to Alecyone, which notes the sparrows as they fall, and numbers the hairs of our heads. Every effort of the human intellect to ascertain the unknown as to the whole of things is an effort to apprehend the thought which lies in the great Synthetic Mind. As a philosopher I have long ago been taught the folly of calling anything great or anything little which Infinite Wisdom has planned and called into being. Nothing knowable is in certain aspects fundamentally more important than