courts, government and the rest; each must be enabled to give what he best can and to receive what he most needs. And, as I said twenty-two years ago—before that "infant industry" eugenics had begun its career—in my address as president before this association:

> We not only hold the clay in our hands to mould to honor or dishonor, but we also have the ultimate decision as to what material we shall use. The physicist can turn his pig-iron into steel, and so can we ours; but he can not alter the quantities of gold and iron in his world, whereas we can in ours. Our responsibility is, indeed, very great.

J. MCKEEN CATTELL

NOTES

THE portrait by Henry Ulke of Joseph Henry, first secretary of the Smithsonian Institution, has been transferred by a senate resolution, from the Capitol to the Smithsonian Institution, where it has been hung in the National Gallery of Art, in the new building of the National Museum.

DR. ALEXANDER GRAHAM BELL, inventor of the telephone, was awarded the Civic Forum Gold Medal for distinguished public service in New York on March 21. The presentation address was made by Dr. John H. Finley, state commissioner of education. Dr. Bell is the third recipient of the medal. It was awarded to Major General George W. Goethals in 1914, and to Thomas A. Edison in 1915.

DR. WILLIAM H. WELCH was the guest of honor at the tenth annual banquet of the Æsculapian Club, Philadelphia, on February 6.

THE portrait of Professor R. D. Salisbury, planned for by his former students, was presented to the University of Chicago on the afternoon of February 8.

THE Adams prize at Cambridge has been awarded to J. H. Jeans, M.A., sometime fellow of Trinity, for an essay on "Some Problems of Cosmogony and Stellar Dynamics." No election has been made to the Isaac Newton Studentship.

PROFESSOR A. N. WHITEHEAD has been elected president of the British Mathematical Society.

THE membership of the Botanical Committee of the National Research Council has just been completed, as follows: From the National Academy, J. M. Coulter (chairman), D. H. Campbell, R. A. Harper; from the American Association for the Advancement of Science (Committee of One Hundred), George T. Moore, B. E. Livingston, L. R. Jones; from the Botanical Society of America, Erwin F. Smith, Edward M. East and H. H. Bartlett.

DR. FABIAN FRANKLIN, associate editor of the New York *Evening Post* since October, 1909, has resigned. Dr. Franklin was professor of mathematics in the Johns Hopkins University from 1879 to 1895.

DR. ROBERT GRANT AITKEN, astronomer in the Lick Observatory, has been granted by the University of California four months' leave of absence to go to the Atlantic coast to complete arrangements for the publication of his work on the double stars.

PROFESSOR WALDEMAR LINDGREN, of the Massachusetts Institute of Technology, has gone to Chile in connection with geological work on some of the copper properties.

DR. JOSEPH A. BLAKE, formerly professor of surgery in Columbia University, who has rendered distinguished services at Neuilly and at Ris-Orangis, has accepted an invitation from the French government to become head of the great Doyen Hospital.

DR. CHARLES D. WALCOTT, secretary of the Smithsonian Institution, has been elected chairman, and Dr. S. W. Stratton, of the Bureau of Standards, secretary of the military committee of the National Research Council.

SCIENTIFIC BOOKS

CYTOLOGY, GENETICS AND EVOLUTION

Cytology, Genetics and Evolution. By twelve authors. Philadelphia: University of Pennsylvania Press. 168 pages, 19 figures. 1941.

THIS little book represents a survey of the subject as a part of the bicentennial celebration of the founding of the University of Pennsylvania. The papers are grouped into four departments, with three in each group: Chromosomes and Heredity, Cytogenetics and Evolution, Cytology and Genetics of Protozoa and Physiology of the Nucleus. The contributors and their subjects run as follows with a brief summary quoted in each case:

Demerec, M. "Nature of the Gene." "Thus an attractive possibility is open for speculation that each salivary band may consist of a single molecule, which is repeated a great many times, the length of the molecule determining the width of the band."

Metz, Charles W. "Chromosome Structure." "No one knows just what a chromosome is or how it is constituted."

Schrader, Franz. "The Sex-chromosomes, Heteropycnosis and its Bearing on Some General Questions of Chromosome Behavior." "The evidence from a wide range of cases strongly indicates that during a certain period of the meiotic prophase there is a defi-