# THE SCIENTIFIC MONTHLY

## EDITED BY J. McKEEN CATTELL

### CONTENTS FOR JANUARY

THE BOTANICAL GARDEN AT RIO DE JANEIRO. DR. F. LAMSON-SCRIBNER.

IF THE BLIND LEAD THE BLIND? ARTHUR LOVERIDGE.

WHAT IS A PATENT OR PROPRIETARY MEDICINE? ROBERT P. FISCHELIS.

"MIKES"-A BOTANICAL ENIGMA. REGINALD D. FORBES.

PIONEERS IN THE STUDY OF VIRUS DISEASES OF PLANTS. DR. MELVILLE T. COOK.

THE FAT OF THE LAND. DR. B. W. KUNKEL.

COMMENTS ON CURRENT SCIENCE. SCIENCE SERVICE.

THE TRANSMUTATION OF HEAVY ELEMENTS. THE LATE LORD RUTHERFORD OF NELSON.

ELECTRON DIFFRACTION AND SURFACE STRUCTURE. Dr. G. I. Finch.

THE NEW YORK STATE MUSEUM. Dr. C. Stuart Gager.

SCIENCE AND DEMOCRACY. J. McKeen Cattell.

THE PROGRESS OF SCIENCE:

Science Speaks at Indianapolis; Symposium on Biophysics; The Centenary of the New York State Museum; The Work of Professor Szent-Györgyi, Recipient of the Nobel Prize in Physiology and Medicine; Retirement of Dr. Townsend from the Directorship of the New York Aquarium.

## CONTENTS FOR NOVEMBER

THE PROGRESS OF PHYSICS. THE LATE LORD RAYLEIGH.

THE UNITY OF MATHEMATICS. DR. JAMES BYRNIE SHAW.

NATIONAL TRENDS IN NOBEL PRIZE AWARDS. HARRISON HALE.

THE BRAIN FROM FISH TO MAN. II. DR. FREDERICK TILNEY.

THE CAUSES OF AUTUMN COLORATION. PROFESSOR H. F. ROBERTS.

STATE INTERVENTION IN AGRICULTURE. Dr. J. M. Caie.

TALAMANCA. RALPH E. DANFORTH.

FROM FANCIES TO FACTS IN DIAGNOSTIC MEDI-CINE. Dr. J. HEYWARD GIBBES.

THE MAYA COUNTRY IN YUCATAN. Dr. A. S. Pearse.

THE PROGRESS OF SCIENCE:

Father and Son as Presidents of the British Association; University Presidents Who Have Been Psychologists; Science in Palestine.

#### CONTENTS FOR DECEMBER

OUR SAMPLE OF THE UNIVERSE. DR. EDWIN P. HUBBLE.

THE PANAMA CANAL: SOME GEOGRAPHIC INFLUENCES. Dr. W. O. Blanchard.

FISHES AND RINGS. DR. E. W. GUDGER.

HOW THE TAXONOMIST NAMES THE ANIMALS. Dr. Z. P. Metcalf.

MUTUALLY INTERPRETATIVE RELATION BETWEEN HUMAN AND AVIAN NATURAL HISTORY. PROFESSOR WM. E. RITTER.

THE FARADAY-WHEWELL CORRESPONDENCE CONCERNING ELECTROCHEMICAL TERMS. DR. RALPH E. OESPER and Max Speter.

THE PROBLEM OF THE CITY. DR. KARL KEKONI.

CAN WE BE SOCIALLY INTELLIGENT? DR. MAX SCHOEN.

GROUP THEORY FOR THE MILLION. Professor G. A.  $_{\rm Miller}$ 

THE PROGRESS OF SCIENCE:

Rutherford; Rochester Meeting of the National Academy of Science and the Presentation of the Comstock Prize to Professor Lawrence; Indianapolis Meeting of the American Association for the Advancement of Science; The Laura Bridgman Centenary; Dedication of a Monument to Peary at His Birthplace.

INDEX TO VOLUME XLV.

# THE SCIENCE PRESS

GRAND CENTRAL TERMINAL, NEW YORK CITY

::

Yearly Subscription \$5.00

::

Single Copies 50 cents