CONTENTS

The American Association for the Advancement of Science:
General Reports of the Nashville Meeting ............ 77
The Council Roll ........................................ 85
The Roll of the Executive Committee .................. 88
Legislative and Executive Proceedings ................ 88
Resolutions on the Public Welfare ..................... 91
The Annual Conference of Section and Society Secretaries .................................................. 91
Report of the Treasurer ................................... 91
Financial Report of the Permanent Secretary ....... 93
Report of the Committee on the Place of Science in Education ................................................. 95
Grants for Research ........................................ 96
Officers for 1928 .......................................... 97
Future Annual Meetings .................................. 98
Special Notes .............................................. 99

Scientific Events:
New Buildings for the Physical Sciences at the University of Chicago; The Pure Science Fund at Princeton University; The U. S. Coast and Geodetic Survey; The Institute of Chemistry .................. 99

Scientific Notes and News ................................ 101
University and Educational Notes .................... 103

Discussion and Correspondence:

SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. McKeen Cattell and published every Friday by

THE SCIENCE PRESS
New York City: Grand Central Terminal.
Lancaster, Pa. Garrison, N. Y.
Annual Subscription, $6.00. Single Copies, 15 Cts.

SCIENCE is the official organ of the American Association for the Advancement of Science. Information regarding membership in the Association may be secured from the office of the permanent secretary, in the Smithsonian Institution Building, Washington, D. C.
Entered as second-class matter July 18, 1923, at the Post Office at Lancaster, Pa., under the Act of March 8, 1879.

Scientific Books:
Dakin's Elements of General Zoology: DR. HUBERT LYMAN CLARK ........................................ 105

Scientific Apparatus and Laboratory Methods:

Special Articles:
Reflection of Light from the Surfaces of Leaves:
Professor CHARLES A. SHULL ............................ 107

Science News ................................................ x

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

GENERAL REPORTS OF THE SECOND NASHVILLE MEETING OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE AND ASSOCIATED SOCIETIES

General Features

In convocation week, from December 26 to December 31, was held at Nashville, Tennessee, the eighty-fourth meeting of the American Association for the Advancement of Science, the annual meeting for the association year 1927–28. This was the second Nashville meeting, the association having met in that city once before, in August, 1877. The sessions of the association and the associated societies were well accommodated mainly in the buildings of Vanderbilt University, the George Peabody College for Teachers and the Ward-Belmont College for Women.

President A. A. Noyes, eminent leader in chemical research and in chemical instruction, director of the Gates Chemical Laboratory of the California Institute of Technology, Pasadena, presided at the meeting and took part in many sessions. The retiring president, DR. L. H. Bailey, well-known author and editor of articles and standard books on botany, horticulture and rural life, was unable to be present, because of convalescence from a serious illness, but he sent a note of greeting, which was read at the opening session.

Fourteen sections of the American Association appeared in the program of this meeting and thirty-five independent organizations of science workers met