

the social consequences of scientific progress, and is seeking appropriate ways to aid scientists in analyzing and meeting these responsibilities. The Board offers to try to find funds to help hold symposia or conferences for the purpose of exploring various features of the social impact of science, as suggested by the committee, and in making available to the public the reports and discussions of such sessions."

Future Council Meetings

In order to give members of the Council greater responsibility for the planning of Council meetings, Council voted to extend the functions of that committee; to ask the President to name the committee members, well in advance of the annual meeting; to rename the committee as the Council Agenda and Resolutions Committee; to instruct the committee to solicit, coordinate, and circulate suggestions of Council members relating to the proper and desirable activities of the Council, the Board, or the Association; and to arrange for the circulation of summaries of background facts and opinions on these proposals to the Council in advance of the annual meeting.

The President asked Council for advice about the scheduling of Council meetings, pointing out that since the election of the president-elect and members of the Board is now handled by mail ballot, it is no longer necessary to devote a substantial portion of the first Council session to balloting for these offices. After discussion of the possibil-

ity of holding only one Council session and after defeat of a motion that Council hold two sessions on the same or succeeding days, it was agreed to continue the present system of holding two sessions, with one relatively early and the other toward the end of the period covered by the annual meeting.

Finances

The Executive Officer described briefly the budget that had been approved by the Board of Directors for 1958. It is presented in the accompanying tables. He also announced that preliminary estimates of 1957 income and expense indicated that the two would be approximately in balance instead of showing the deficit that was expected when the budget was approved, a year earlier.

During 1957 the Association received the following gifts and grants: \$113,960 from the National Science Foundation for the expenses of distributing traveling libraries of science books to 216 high schools throughout the United States; \$10,000 from the National Science Foundation for the Gordon Research Conferences; \$5100 from the National Science Foundation to pay expenses of a conference of representatives of academies of science to consider problems of fostering the work of junior academies of science; \$4000 from the National Science Foundation for the costs of holding a series of colloquia for scientists in the Washington, D.C., community; \$100,000 from the Carnegie Corporation as the third and final por-

tion of the grant to support the Science Teaching Improvement Program; \$20,000 from the Ford Foundation toward the expenses of a study of the effect on tax revenue and contributions of changes in income tax provisions designed to increase voluntary contributions; \$5000 from the Ford Foundation for the cost of a series of small conferences and discussions of actions that should be taken to stimulate research in the behavioral sciences; and approximately \$9000 from various sources as contributions to the expenses of the New York and Indianapolis meetings, for the Association's building fund, and for other purposes.

Membership figures indicate that the total membership increased by 3000 during the year. In reporting membership figures, special attention was given to an effort to determine the effects that might be attributable to the increase in dues and to the merger of *Science* and *The Scientific Monthly*, both of which became effective on the first of January 1958. Active resignations as of 19 December 1957 totaled 640 in comparison with 537 as of 31 December 1956. The increase in resignations was approximately equal as between members who subscribed to *Science* and those who subscribed to *The Scientific Monthly*. Much more than offsetting the increase in resignations was the fact that the number of members who, as of mid-December, had not yet paid dues for the following calendar year was 1500 smaller at the end of 1957 than it had been at the end of 1956. These figures indicate that the Association suffered no material loss from the dues and publication changes.

AAAS Officers, Committees, and Representatives for 1958

The following persons are serving as officers, as members of the indicated committees, and as representatives to other organizations for the year 1958. The dates in parentheses indicate the year of expiration of terms of election or appointment.

General Officers

President: Wallace R. Brode (1959), Department of State

President-Elect: Paul E. Klopsteg (1960), National Science Foundation

Retiring President and Chairman of the Board of Directors: Laurence H. Snyder (1958), University of Oklahoma

Other Members of the Board of Directors

Chauncey D. Leake (1958), Ohio State University

Margaret Mead (1958), American Museum of Natural History

Paul M. Gross (1959), Duke University

George R. Harrison (1959), Massachusetts Institute of Technology

Mina S. Rees (1960), Hunter College

Alan T. Waterman (1960), National Science Foundation

Thomas Park (1961), University of Chicago

William W. Rubey (1961), U.S. Geological Survey, Washington, D.C.

Paul A. Scherer (ex officio), Carnegie Institution of Washington

Dael Wolfe (ex officio), AAAS

Vice Presidents and Chairmen of the Sections

A Mathematics: G. A. Hedlund, Yale University

B Physics: Robert Bruce Lindsay, Brown University

C Chemistry: F. O. Rice, Catholic University

D Astronomy: Dirk Brouwer, Yale University

E Geology and Geography: Byron N. Cooper, Virginia Polytechnic Institute
F Zoological Sciences: Harold H. Plough, Amherst College

G Botanical Sciences: Oswald Tippo, Yale University

H Anthropology: A. Irving Hallowell, University of Pennsylvania

I Psychology: B. F. Skinner, Harvard University

K Social and Economic Sciences: Joseph J. Spengler, Duke University

L History and Philosophy of Science: Carl B. Boyer, Brooklyn College

M Engineering: Clarence E. Davies, 32 West 40th Street, New York

N Medical Sciences: Gordon K. Moe, New York State College of Medicine, Syracuse

Nd Dentistry: George C. Paffenbarger, National Bureau of Standards

Np Pharmacy: George F. Archambault, U.S. Public Health Service, Washington, D.C.

O Agriculture: Roy D. Hockensmith, U.S. Department of Agriculture, Washington, D.C.

Q Education: Harry A. Cunningham, Kent State University

Administrative Officers

Appointed by the Board of Directors

Executive Officer: Dael Wolffe

Treasurer: Paul A. Scherer

Associate Administrative Secretary: Raymond L. Taylor

Editor: Graham DuShane

Educational Director: John R. Mayor

Secretaries of the Sections

A Mathematics: C. C. MacDuffee (1960), University of Wisconsin

B Physics: J. Howard McMillen (1959), National Science Foundation

C Chemistry: Edward F. Degering (1960), 26 Robinhood Road, Natick, Mass.

D Astronomy: Frank B. Wood (1961), University of Pennsylvania

E Geology and Geography: Frank C. Whitmore, Jr. (1960), U.S. Geological Survey, Washington, D.C.

F Zoological Sciences: Karl M. Wilbur (1961), Duke University

G Botanical Sciences: Barry Commoner (1959), Washington University, St. Louis

H Anthropology: James L. Giddings (1961), Brown University

I Psychology: Clifford T. Morgan (1960), Town Point, Cambridge, Md.

K Social and Economic Sciences: Donald P. Ray (1958), George Washington University

L History and Philosophy of Science: John W. Streeter (1961), Fels Planetarium, Franklin Institute

M Engineering: E. Paul Lange (1960),

Engineers Joint Council, New York, N.Y.

N Medical Sciences: Allan D. Bass (1960), Vanderbilt University School of Medicine

Nd Dentistry: Russell W. Bunting (1958), University of Michigan School of Dentistry

Np Pharmacy: John E. Christian (1958), Purdue University School of Pharmacy

O Agriculture: Howard B. Sprague (1961), Pennsylvania State University

P Industrial Science: Allen T. Bonnell (1960), Drexel Institute of Technology

Q Education: Herbert A. Smith (1959), University of Kansas

Officers of the Alaska Division

President: Robert Rausch, Box 960, Anchorage

Vice President: Edward L. Keithahn, Box 97, Juneau

Secretary: Mrs. Willetta B. Matsen, Box 960, Anchorage

Treasurer: Clyde J. Beers, U.S. Coast and Geodetic Survey, College

Council Representative: Victor P. Hessler, Box 497, College

Officers of the Pacific Division

President: Ian Campbell, California Institute of Technology

President-Elect: Henry Eyring, University of Utah

Retiring President: J. Murray Luck, Stanford University

Secretary: Robert C. Miller, California Academy of Sciences

Council Representative: Robert C. Miller

Officers of the Southwestern and Rocky Mountain Division

President: M. F. Stubbs, New Mexico Institute of Mining and Technology

Vice President: Albert R. Mead, University of Arizona

Executive Secretary-Treasurer: Marlowe G. Anderson, New Mexico College of Agriculture and Mechanic Arts

Council Representative: Marlowe G. Anderson

Editorial Board

Graham DuShane, AAAS, chairman
Bentley Glass (1958), Johns Hopkins University

Karl Lark-Horovitz (1959), Purdue University

Edwin M. Lerner (1964), National Institutes of Health

William L. Straus, Jr. (1963), Johns Hopkins University

Edward L. Tatum (1962), Rockefeller Institute for Medical Research

Standing Committees

AAAS Meetings

Arthur W. Galston (1959), Yale University, chairman

Ronald Bamford (1958), University of Maryland

Ellis A. Johnson (1960), Operations Research Office, Johns Hopkins University

Howard M. Phillips (1958), Alabama College

Robert C. Stephenson (1958), American Geological Institute, Washington, D.C.

Dael Wolffe, AAAS, ex officio
Raymond L. Taylor, AAAS, staff representative

Affiliation

I. Melville Stein (1962), Leeds & Northrup Company, Philadelphia, Pa., chairman

John B. Buck (1958), National Institutes of Health

Herbert Carter (1959), University of Illinois

Earl L. Green (1961), Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Me.

Luna B. Leopold (1960), U.S. Geological Survey, Washington, D.C.

Dael Wolffe, AAAS, ex officio
Raymond L. Taylor, AAAS, staff representative

Executive Committee of the Board of Directors

Laurence H. Snyder, chairman

Wallace R. Brode

Paul E. Klopsteg

William W. Rubey

Paul A. Scherer

Dael Wolffe

Investment and Finance

F. P. H. Siddons (1962), American Security & Trust Company, Washington, D.C., chairman

Malvern F. Morse (1958), American Security & Trust Company

Wallace R. Brode (1959), Department of State

J. E. Graf (1960), Smithsonian Institution

Sheldon B. Akers (1961), Brookings Institution

Paul A. Scherer, Carnegie Institution of Washington, ex officio

Dael Wolffe, AAAS, ex officio

Hans Nussbaum, AAAS, staff representative

Nominations

Wallace R. Brode (1958), Department of State, chairman

Karl M. Wilbur (1958), Duke University

Clinton L. Baker (1959), Southwestern College, Memphis

Edward F. Degering (1959), 26 Rob-inhood Road, Natick, Mass.

George R. Harrison (1959), Massachusetts Institute of Technology

Robert Bruce Lindsay (1959), Brown University

Public Information and Science

Paul E. Klopsteg, National Science Foundation, chairman

Roger Adams, University of Illinois
Sidney S. Negus, Medical College of Virginia

Warren Weaver, Rockefeller Foundation

Dael Wolfe, AAAS, ex officio

Publications

Thomas Park (1962), University of Chicago, chairman

Ralph R. Shaw (1958), Rutgers University

Chauncey D. Leake (1959), Ohio State University

George R. Harrison (1960), Massachusetts Institute of Technology

Paul M. Gross (1961), Duke University

Dael Wolfe, AAAS, ex officio

Graham DuShane, AAAS, staff representative

Special Committees

AAAS-Anne Frankel Rosenthal Memorial Award for Cancer Research, Judges

Warren Weaver, Rockefeller Foundation, chairman

Harry S. N. Greene (American Association for Cancer Research), Yale University School of Medicine

G. Burroughs Mider, National Cancer Institute

Richard L. Rosenthal, Richard and Hinda Rosenthal Foundation

C. Chester Stock, Sloan-Kettering Institute for Cancer Research

Harry M. Weaver, American Cancer Society

AAAS-Campbell Award for Vegetable Research, Judges

Louis P. Reitz (AAAS Section O—Agriculture), Agricultural Research Service, Beltsville, Md., chairman

G. J. Haeussler (Entomological Society of America), U.S. Agricultural Research Service, Beltsville

Sterling B. Hendricks (American Society of Plant Physiologists), Plant Industry Station, Beltsville

Iver J. Johnson (American Society of Agronomy), Iowa State College

F. C. Stark, Jr. (American Society



Mina Rees, dean of the faculty at Hunter College, New York, is a new member of the AAAS Board of Directors. [Bradford Bachrach]

for Horticultural Science), University of Maryland

G. Ledyard Stebbins, Jr. (Genetics Society of America), University of California, Davis

E. E. Wilson (American Phytopathological Society), University of California, Davis

AAAS-Ida B. Gould Memorial Award for Research on Cardiovascular Problems, Judges

Paul Dudley White, Boston, Mass., chairman

C. Sidney Burwell (Helen Hay Whitney Foundation), Harvard Medical School

Robert P. Glover (American College of Cardiology), Presbyterian Hospital, Philadelphia

Dickinson W. Richards (Life Insurance Medical Research Fund), Bellevue Hospital, New York

Richard L. Rosenthal, Richard and Hinda Rosenthal Foundation

Francis C. Wood (American Heart Association), University of Pennsylvania Hospital

J. Franklin Yeager, National Heart Institute

AAAS Research Grants

Barry Commoner, Washington University, chairman

E. Lowell Kelly, University of Michigan

Hans Nussbaum, AAAS

Laurence H. Snyder, University of Oklahoma

H. Burr Steinbach, University of Chicago

Dael Wolfe, AAAS, staff representative

AAAS Socio-Psychological Prize

Donald P. Ray, George Washington University

Joseph J. Spengler, Duke University
Dael Wolfe, AAAS

Conference on the Marine Sciences, Steering Committee

Mary Sears, Woods Hole Oceanographic Institution, chairman

Gustav Arrhenius, Scripps Institution of Oceanography

John Cushing, Santa Barbara College
Fritz Koczy, University of Miami

Gordon G. Lill, Office of Naval Research, Washington, D.C.

George S. Myers, Stanford University

Roger Revelle, Scripps Institution of Oceanography

Henry M. Stommel, Woods Hole Oceanographic Institution

Lionel A. Walford, U.S. Fish & Wildlife Service, Washington, D.C.

Council Agenda and Resolutions Committee

William A. Wildhack, National Bureau of Standards, chairman

Paul S. Dwyer, University of Michigan

George C. Paffenbarger, National Bureau of Standards

Kenneth C. Spengler, American Meteorological Society, Boston, Mass.

Management and Business Operations

Mark H. Ingraham, University of Wisconsin, chairman

George J. Beal, Rockefeller Foundation (retired)

F. P. H. Siddons, American Security & Trust Company

Paul A. Scherer, Carnegie Institution of Washington, ex officio

Dael Wolfe, AAAS, ex officio

Popular Science Books

Harrison Brown, California Institute of Technology

Barry Commoner, Washington University

E. U. Condon, Washington University

Kirtley F. Mather, Harvard University

Dael Wolfe, AAAS, ex officio

Retirement Plan (must be composed of three staff members)

Dael Wolfe, AAAS, chairman

Hans Nussbaum, AAAS

Raymond L. Taylor, AAAS

Social Aspects of Science

Chauncey D. Leake, Ohio State University, chairman

T. C. Byerly, U.S. Department of Agriculture, Washington, D.C.

Barry Commoner, Washington University

H. Jack Geiger, 11100 Euclid Avenue, Cleveland

Lawrence Kubie, 7½ East 81st Street, New York

Margaret Mead, American Museum of Natural History

Robert K. Merton, Columbia University

Ward Pigman, University of Alabama Medical Center

Stuart A. Rice, Stuart A. Rice Associates, Washington, D.C.

David D. Rutstein, Harvard Medical School

Dael Wolfe, AAAS, ex officio

Source Books in the History of Science

Gregory D. Walcott, Long Island University, chairman

Harlow Shapley, Harvard University

Edmund W. Sinnott, Yale University

Committees To Be Appointed

AAAS Newcomb Cleveland Prize, Judges

AAAS Socio-Psychological Prize, Judges

Theobald Smith Award in the Medical Sciences, Judges

Representatives

AAAS Cooperative Committee on the Teaching of Science and Mathematics (representative of the Board of Directors)

Alfred B. Garrett, Ohio State University

American Standards Association Sectional Committee on Letter Symbols and Abbreviations for Science and Engineering

Irving P. Orens, Newark College of Engineering

Advisory Council on Medical Education
Lowell T. Coggeshall, University of Chicago

American Council on Education
Mark H. Ingraham, University of Wisconsin

John R. Mayor, AAAS

Committee on the Kimber Genetics Award of the National Academy of Sciences

I. Michael Lerner, University of California, Berkeley

Council of National Organizations of the Adult Education Association of the United States

John A. Behnke, Ronald Press Company

Council of Old World Archeology
Richard K. Beardsley, University of Michigan

Instrument Society of America Committee on Research and Development

Jesse W. Beams, University of Virginia

Joint Commission on Mental Illness and Health

Ernst Mayr, Museum of Comparative Zoology, Harvard College

National Conference on FAO
Noble Clark, University of Wisconsin

Science Service Board of Trustees
Karl Lark-Horovitz (1958), Purdue University

William W. Rubey (1959), U.S. Geological Survey, Washington, D.C.

Wallace R. Brode (1960), Department of State

Scientific Manpower Commission

Detlev W. Bronk, Rockefeller Institute for Medical Research

(Wallace R. Brode, alternate)

M. H. Trytten, National Academy of Sciences

U.S. Committee on ISO Technical Committee 37—Terminology

Duane Roller, Harvey Mudd College

U.S. National Commission for UNESCO

I. I. Rabi, Columbia University

AAAS Membership

1) <i>Changes during 1957</i>	
New members elected	6,875
Losses	
Deaths	417
Resignations	1,353
Dropped for non-payment of dues	2,096
Total loss	3,866
Net increase during 1957	3,009
2) <i>Totals as of 31 December 1957</i>	
Paid through December 1957	32,618
Paid through March 1958	1,168
Paid through June 1958	13,975
Paid through September 1958	2,715
Life and emeritus members	962
Total in good standing	51,438
In arrears	3,123
	54,561
New for 1958	1,166
Total membership	55,727

Indianapolis Meeting in Retrospect

Raymond L. Taylor

Throughout its long history, the American Association for the Advancement of Science, now in its 110th year, has been concerned not only with the ever increas-

ing number of scientific contributions but also with the impact of science on society. The principal advances of science and its applications have been reported

and assessed in *Science* and other AAAS publications. The annual meeting also has reflected the major trends of scientific thought and, directly or indirectly, matters of import in the nation and the world. This was especially apparent at the fourth Indianapolis meeting. The date, 1957, doubtless will be remembered for man's first successfully launched artificial satellites; viewed in perspective, the 124th AAAS meeting, held only a month or two after sputniks I and II, was indicative of the scientific and technological aspects of an eventful year.

In earlier reports it has been noted that no two scientific meetings are ever alike even when sponsored by the same organization or held in the same locale. This is particularly obvious with the diversified annual convention of the Asso-