

AAAS Officers, Committees, and Representatives for 1962

The following persons are serving as officers, as members of the indicated committees, and as representatives to other organizations for the year 1962. The dates in parentheses indicate the year of expiration of terms of election or appointment.

General Officers

Retiring President and Chairman of the Board of Directors: Thomas Park (1962), University of Chicago

President: Paul M. Gross (1963), Duke University

President-Elect: Alan T. Waterman (1964), National Science Foundation

Other Members of the Board of Directors

Harrison Brown (1963), California Institute of Technology

Henry Eyring (1965), University of Utah

H. Bentley Glass (1962), Johns Hopkins University

Margaret Mead (1962), American Museum of Natural History

Don K. Price (1964), Harvard University

Mina Rees (1964), City University of New York

Alfred S. Romer (1963), Harvard University

William W. Rubey (1965), University of California, Los Angeles

Paul A. Scherer (ex officio), National Science Foundation

Dael Wolffe (ex officio), AAAS

Vice Presidents and

Chairmen of the Sections

Mathematics: H. Frederic Bohnenblust, California Institute of Technology

Physics: Marsh W. White, Osmond Laboratory, Pennsylvania State University

Chemistry: Richard H. Wilhelm, Princeton University

Astronomy: Frank K. Edmondson, Goethe Link Observatory, Indiana University

Geology and Geography: Guy-Harold Smith, Ohio State University

Zoological Sciences: Ernst W. Caspari, University of Rochester

Botanical Sciences: John N. Couch, University of North Carolina

Anthropology: William S. Laughlin, University of Wisconsin

Psychology: Arthur W. Melton, University of Michigan

Social and Economic Sciences: Simon S. Kuznets, Harvard University

History and Philosophy of Science: Gerald Holton, Harvard University

Engineering: Clarence E. Davies,



Henry Eyring

United Engineering Center Project, New York, N.Y.

Medical Sciences: DeWitt Stetten, Jr., National Institute of Arthritis and Metabolic Diseases, Bethesda, Md.

Dentistry: Ned B. Williams, University of Pennsylvania School of Dentistry

Pharmaceutical Sciences: John Aultian, University of Texas

Agriculture: George W. Irving, Jr., Agricultural Research Service, Washington, D.C.

Industrial Science: Henry F. Dever, Minneapolis-Honeywell Regulator Company, Minneapolis

Education: Kenneth E. Anderson, University of Kansas

Information and Communication: George L. Seielstad, Johns Hopkins University Applied Physics Laboratory, Silver Spring, Md.

Administrative Officers

Executive Officer: Dael Wolffe

Treasurer: Paul A. Scherer

Associate Administrative Secretary: Raymond L. Taylor

Editor: Graham DuShane

Business Manager: Hans Nussbaum

Director of Education: John R. Mayor

Director, Science Library Program: Hilary J. Deason

Director of studies on the public understanding of science: Edward G. Sherburne, Jr.

Secretaries of the Sections

Mathematics: Wallace Givens (1964), Northwestern University

Physics: Stanley S. Ballard (1963), University of Florida

Chemistry: S. L. Meisel (1964), Socony Mobil Oil Company, Paulsboro, N.J.

Astronomy: Frank Bradshaw Wood (1965), Flower and Cook Observatory, University of Pennsylvania

Geology and Geography: Richard H. Mahard (1964), Denison University

Zoological Sciences: David W. Bishop (1965), Carnegie Institution of Washington, Baltimore

Botanical Sciences: Harriet B. Creighton (1963), Wellesley College

Anthropology: Eleanor Leacock (1965), Bank Street College of Education, Brooklyn, N.Y.

Psychology: Frank W. Finger (1963), University of Virginia

Social and Economic Sciences: Donald P. Ray (1962), National Institute of Social and Behavioral Science, 863 Benjamin Franklin Station, Washington 4, D.C.

History and Philosophy of Science: N. Russell Hanson (1965), Indiana University

Engineering: Leroy K. Wheelock (1964), Engineers Joint Council, New York, N.Y.

Medical Sciences: Oscar Touster (1964), Vanderbilt University School of Medicine

Dentistry: Reidar F. Sognaes (1962), University of California School of Dentistry, Los Angeles

Pharmaceutical Sciences: John E. Christian (1962), Purdue University School of Pharmacy

Agriculture: Howard B. Sprague (1965), Pennsylvania State University

Industrial Science: Allen T. Bonnell (1964), Drexel Institute of Technology

Education: Herbert A. Smith (1963), University of Kansas

Information and Communication: Phyllis V. Parkins (1965), *Biological Abstracts*, Philadelphia

Statistics: Morris B. Ullman (1965), 7604 Cayuga Avenue, Bethesda, Md.

Officers of the Alaska Division

President: James W. Brooks, Alaska Department of Fish and Game, Juneau

President-Elect: Allan H. Mick, Agricultural Experiment Station, Palmer

Secretary: Anne Sosnkowski, Alaska Historical Museum, Juneau

Executive Secretary: George Dahlgren, Jr., University of Alaska, College

Council Representative: Victor P. Hessler, University of Alaska, College

Officers of the Pacific Division

President: Melvin Calvin, University of California, Berkeley

President-Elect: John P. Tully, Pacific Biological Station, Nanaimo, B.C.

Retiring President: W. A. Clemens, University of British Columbia, Vancouver

Secretary: Robert C. Miller, California Academy of Sciences, San Francisco

Council Representative: Robert C. Miller

Officers of the Southwestern and Rocky Mountain Division

President: Anton H. Berkman, Texas Western College

President-Elect: Edwin R. Helwig, University of Colorado

Executive Secretary: Marlowe G. Anderson, New Mexico State University, University Park

Council Representative: Marlowe G. Anderson

Editorial Board

Graham DuShane, AAAS, chairman
Konrad B. Krauskopf (1963), Stanford University

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

Philip M. Morse (1965), Massachusetts Institute of Technology

H. Burr Steinbach (1963), University of Chicago

William L. Straus, Jr. (1963), Johns Hopkins Medical School

Edward L. Tatum (1962), Rockefeller Institute

Standing Committees

AAAS Cooperative Committee on the Teaching of Science and Mathematics

Thornton L. Page, Wesleyan University, chairman

Wayne Taylor, Michigan State University, vice-chairman

Bernard B. Watson, Research Analysis Corporation, Bethesda, Md., secretary

C. L. Agre, Augsburg College, Minneapolis, Minn.

J. W. Buchta, University of Minnesota

John W. Cell, North Carolina State College

H. S. Fowler, Pennsylvania State University

Alfred B. Garrett, Ohio State University

J. Donald Henderson, University of North Dakota

Arthur L. Howland, Northwestern University

Phillip S. Jones, University of Michigan

Ralph W. Lefler, American Institute of Physics, New York, N.Y.

Harry F. Lewis, Institute of Paper Chemistry, Appleton, Wis.

George G. Mallinson, Western Michigan University

John R. Mayor, AAAS

Fred H. Norris, University of Tennessee

H. Vernon Price, University High School, Iowa City

W. E. Restemeyer, University of Cincinnati

Allyn Waterman, Williams College

Emery L. Will, State University Teachers College, Oneonta, N.Y.

Theodore Woodward, 4207 Hewett Avenue, Silver Spring, Md.

Dael Wolfle, AAAS, ex officio

AAAS Meetings

Philip H. Abelson (1964), Carnegie Institution of Washington, Washington, D.C., chairman

Allen T. Bonnell (1962), Drexel Institute of Technology

Horace R. Byers (1963), University of Chicago

Stanley A. Cain (1962), University of Michigan

Frank Fremont-Smith (1962), AIBS Interdisciplinary Conference Program, New York, N.Y.

David R. Goddard (1963), University of Pennsylvania

Philip Handler (1964), Duke University Medical Center

Robert Jastrow (1964), Institute for Space Studies, New York, N.Y.

Gerard Piel (1963), *Scientific American*, New York, N.Y.

Dael Wolfle, AAAS, ex officio

Raymond L. Taylor, AAAS, staff representative

Affiliation

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

Paul E. Klopsteg (1966), 828 Apple Tree Lane, Glenview, Ill.

Luna B. Leopold (1965), U.S. Geological Survey, Washington, D.C.

Rensis Likert (1964), University of Michigan

Paul B. Sears (1963), Yale University

Dael Wolfle, AAAS, ex officio

Raymond L. Taylor, AAAS, staff representative

Cooperation among Scientists

R. E. Gibson (1964), Johns Hopkins University Applied Physics Laboratory, Silver Spring, Md., chairman

Burton W. Adkinson (1963), National Science Foundation



Mina Rees



William W. Rubey

Richard T. Arnold (1962), Mead Johnson and Company, Evansville, Ind.
Frank Fremont-Smith (1965), American Institute of Biological Sciences Interdisciplinary Conference Program, New York, N.Y.

H. Bentley Glass, Johns Hopkins University, ex officio Board representative

Dael Wolfe, AAAS, ex officio

Council Affairs

Alan T. Waterman (1962), National Science Foundation, chairman

Stanley S. Ballard (1964), University of Florida

Allan D. Bass (1963), Vanderbilt University School of Medicine

Stanley A. Cain (1964), University of Michigan

Barry Commoner (1962), Washington University

Alfred E. Emerson (1962), University of Chicago

Charles B. Hitchcock (1962), American Geographical Society, New York, N.Y.

Warren Weaver (1963), Alfred P. Sloan Foundation

William A. Wildhack (1963), National Bureau of Standards

Frank Bradshaw Wood (1964), Flower and Cook Observatory, University of Pennsylvania

Dael Wolfe, AAAS, ex officio, secretary

Executive Committee of the Board of Directors

Thomas Park, chairman

H. Bentley Glass

Paul M. Gross

Paul A. Scherer

Alan T. Waterman

Dael Wolfe

Investment and Finance

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

Sheldon B. Akers (1966), Brookings Institution, vice chairman

Wallace R. Brode (1964), 3900 Connecticut Ave., NW, Washington, D.C.

J. E. Graf (1965), 2035 Parkside Drive, Washington, D.C.

Malvern F. Morse (1963), American Security and Trust Company

Paul A. Scherer, National Science Foundation, ex officio

Dael Wolfe, AAAS, ex officio

Hans Nussbaum, AAAS, staff representative

Nominations and Elections

Paul M. Gross (1962), Duke University, chairman

James F. Bonner (1963), California Institute of Technology

Waldo E. Smith (1962), American Geophysical Union, Washington, D.C.

Howard B. Sprague (1963), Pennsylvania State University

Alan T. Waterman (1963), National Science Foundation

Richard H. Wilhelm (1963), Princeton University

John B. Youmans (1962), American Medical Association, Chicago

Public Understanding of Science

Willard Bascom (1966), National Academy of Sciences

Victor Cohn (1962), Minneapolis Star and Tribune

Laurence M. Gould (1964), Carleton College

Richard D. Heffner (1965), Educational Television for the Metropolitan Area, Inc., New York, N.Y.

Mina Rees (1963), City University of New York

Thomas Park, University of Chicago, ex officio Board representative

Dael Wolfe, AAAS, ex officio

Edward G. Sherburne, Jr., AAAS, staff representative

Publications

H. Bentley Glass (1966), Johns Hopkins University, chairman

George R. Harrison (1965), Massachusetts Institute of Technology

Chauncey D. Leake (1964), Ohio State University

Thomas Park (1962), University of Chicago

Ralph R. Shaw (1963), Rutgers University

Dael Wolfe, AAAS, ex officio

Graham DuShane, AAAS, staff representative

Science in the Promotion of Human Welfare

Barry Commoner (1962), Washington University, chairman

Robert B. Brode (1963), University of California, Berkeley

T. C. Byerly (1962), Agricultural Research Service, Washington, D.C.

Ansley J. Coale (1964), Princeton University

Lawrence K. Frank (1963), 25 Clark Street, Belmont, Mass.

H. Jack Geiger (1962), Harvard Medical School, Boston

Walter Rosenblith (1964), Massachusetts Institute of Technology

Margaret Mead, American Museum of Natural History, ex officio Board representative

Dael Wolfe, AAAS, ex officio

Edward G. Sherburne, Jr., AAAS, staff representative

Special Committees

AAAS-Campbell Award for Vegetable Research, Judges

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

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

Iver J. Johnson (American Society of Agronomy), Caladino Farm Seeds, Inc., Wheaton, Ill.

F. F. Smith (Entomological Society of America), U.S. Department of Agriculture, Entomology Research Branch, Beltsville, Md.

F. C. Stark, Jr. (American Society 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 Newcomb Cleveland Prize, Judges

Wallace R. Brode, 3900 Connecticut Ave., NW, Washington, D.C., chairman

Th. Dobzhansky, Columbia University

Alfred E. Emerson, University of Chicago

Henry Eyring, University of Utah

William C. Krumbein, Northwestern University

Gairdner B. Moment, Goucher College

Conrad Mueller, Columbia University

Paul B. Sears, Yale University

Howard B. Sprague, Pennsylvania State University

Frank Bradshaw Wood, University of Pennsylvania

AAAS Socio-Psychological Prize

Simon S. Kuznets, Harvard University

Donald P. Ray, National Institute of Social and Behavioral Sciences, Washington, D.C.

Dael Wolfe, AAAS

AAAS-Westinghouse Science Writing Awards, Managing Committee

Edward G. Sherburne, Jr., AAAS, administrator

Jules B. Billard, *National Geographic*, Washington, D.C.

Charles N. Fry, Westinghouse Electric Corporation, Pittsburgh

Harry R. Gail, Westinghouse Electric Corporation, Pittsburgh

Nate Haseltine, *Washington Post and Times Herald*

Graham DuShane, AAAS

Hans Nussbaum, AAAS

Retirement Plan (must be composed of three staff members)

Dael Wolfe, AAAS, chairman

Hans Nussbaum, AAAS

Raymond L. Taylor, AAAS

Council Study Committees

Administration of Scientific Work

Henry M. O'Bryan, Bendix Corporation, 1730 K St., NW, Washington, D.C., chairman

Alfred E. Brown, Harris Research Laboratories, 6220 Nebraska Ave., NE, Washington, D.C.

Paul L. Day, U.S. Food and Drug Administration, Washington, D.C.

Heinz Specht, National Institutes of Health, Bethesda, Md.

Graduate Science Education and Standards

Randall M. Whaley, Wayne State University, chairman

George G. Mallinson, Western Michigan University

S. R. M. Reynolds, University of Illinois College of Medicine, Chicago

Natural Areas as Research Facilities

F. Raymond Fosberg, National Research Council, chairman

(Other members to be appointed)

Research in Small Colleges

Paul B. Sears, Yale University, chairman

Richard B. Engdahl, Battelle Memorial Institute, vice-chairman

Wilse B. Webb, University of Florida

Patrick H. Yancey, Spring Hill College, Mobile

Science in Secondary School Education

Morris Meister, Bronx Community College, New York, N.Y., chairman

George G. Mallinson, Western Michigan University

Harold Swanberg, American Medical Writers' Association, Quincy, Ill.

Nathan S. Washton, Queens College, Flushing, N.Y.

Committees To Be Appointed

AAAS Socio-Psychological Prize, Judges

AAAS-Westinghouse Science Writing Awards, Screening Committee

AAAS-Westinghouse Science Writing Awards, Judges

Representatives

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

American Standards Association

Sectional Committee on Fluid Permeation (Z59)

M. King Hubbert, Shell Oil Company, Houston

American Standards Association

Sectional Committees on Letter

Symbols and on Abbreviations for

Science and Engineering (Y1 and Y10)

Irving P. Orens, Newark College of Engineering

American Standards Association

Sectional Committee on Preferred

Practice for the Preparation of

Graphs, Charts, and Other Technical

Illustrations (Y15)

Everett T. Burton, Box 624, Route 2, Battle Creek, Mich.

American Standards Association

Sectional Committee on Use of the

Decimalized Inch (B87)

Carl F. Kayan, Columbia University

National Conference on FAO

Noble Clark, University of Wisconsin

Office of Critical Tables Advisory

Board, National Academy of Sciences

Wallace R. Brode, 3900 Connecticut Ave., NW, Washington, D.C.

Science Service Board of Trustees

Wallace R. Brode (1963), 3900 Connecticut Ave., NW, Washington, D.C.

William W. Rubey (1962), University of California, Los Angeles

Douglas M. Whitaker (1964), Rockefeller Institute

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

Tracy M. Sonneborn, Indiana University

Council of Old World Archaeology

Richard K. Beardsley, University of Michigan

*Instrument Society of America
Committee on Research and
Development*

Jesse W. Beams, University of Virginia

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

Duane Roller, Harvey Mudd College

Scientific Manpower Commission

Wallace R. Brode (1965), 3900 Connecticut Ave., NW, Washington, D.C.

M. H. Trytten (1963), National Academy of Sciences

*U.S. National Commission for
UNESCO*

S. S. Wilks, Princeton University

New Section on Communication

Phyllis V. Parkins

Communication of information between scientists and between scientists and interested laymen stems back to the earliest beginnings of scientific societies and organized teaching. From the time of the founding of the Association in 1848, with its emphasis on interdisciplinary contacts, there have been AAAS members and groups of scientists with a particular interest in communication. The problems of writing, editing, and citing scientific papers existed a century ago. As the sciences expanded and as scientific societies proliferated and split into increasingly specialized organizations, as journals increased, and as the flood of scientific contributions multiplied, the problems of communication, storage, and retrieval of data and of concepts became acute.

Articles on the subject in *Science* and papers at AAAS meetings are too numerous to cite, but a time is approaching when the situation will become critical. At the meeting of the AAAS in Philadelphia in 1951 there were two sessions on Soviet science, arranged by Conway Zirkle, and a general symposium of three sessions, "Operation knowledge," organized by William F. Hewitt, Jr. This latter program was co-sponsored by seven AAAS sections, by the American Library Association and

the Special Libraries Association, and by the chemical literature division of the American Chemical Society. At the St. Louis meeting of 1952 an informal conference on scientific editorial problems was organized by Marian Fine-man, then chief of the editorial branch, Technical Operations, Dugway Proving Ground, Utah. Six excellent papers were read and discussed. The conference became a recurrent event at the Association's annual meeting. Consistent with a broadening of the scope of the conference was the change of name to the Conference on Scientific Communication, after 1957, when George Seielstad became chairman of the steering committee. The 9th conference, in New York, in December 1960, was devoted to a four-session symposium, "The sciences in Communist China." This was a distinguished program, sponsored jointly with the AAAS as a whole and co-sponsored by ten societies and institutes and by the National Science Foundation, which had made possible the associated large translation and microfilming project.

The intensifying interest in, and need for, scientific information and communication continued. At least ten of the AAAS affiliates were concerned in these areas, and there were other organizations in this field, it was thought, that might seek affiliation with the Association. In the spring of 1961 it was sug-

gested to Chauncey Leake that perhaps the time was ripe for the founding of an AAAS section on information and communication. It was pointed out that the AAAS was an organization singularly fitted to bring together the diverse societies and interests in this rapidly growing and complex field. Dr. Leake received the suggestion with enthusiasm; it was considered by the AAAS Board of Directors, which unanimously voted to recommend approval of the new section to the Council of the Association.

Representatives of societies thought to be particularly interested and a few key people from federal agencies especially interested in information and communication were invited to participate in a planning and organizing session in Washington on 8 October 1961. Those present agreed that programs of the new section should be planned with the primary objective of interesting scientists and communication specialists in each other's problems, to their mutual advantage.

Dr. Leake offered his plan for an afternoon program at the AAAS meeting in Denver, at what probably would be the last session of the Conference on Scientific Communication and the inauguration of the new section.

The AAAS Council unanimously approved the recommendation of the Board of Directors to establish the Association's 19th section, on information and communication (Section T).

At a luncheon given on 30 December for those interested in communication, Dr. Leake informally outlined the background and goals of the new section. Later, to the larger group assembled for the afternoon session, he announced the Board's appointment of Phyllis V. Parkins (of *Biological Abstracts*) as section secretary. He presented the name of George L. Seielstad (Applied Physics Laboratory, Johns Hopkins), who had been chairman of the former Conference on Scientific Communica-

The author is assistant director for editorial affairs, *Biological Abstracts*, Philadelphia, Pa.