

AAAS Officers, Committees, and Representatives for 1971

Officers of the Association and its three regional divisions, members of the Editorial Board of *Science* and of AAAS committees, and representatives to other organizations for the year 1971 are listed below. Terms of election or appointment expire on 14 January immediately following the year given in parentheses.

General Officers

Retiring President and Chairman of the Board of Directors: Athelstan Spilhaus, Woodrow Wilson International Center for Scholars, Smithsonian Institution, Washington, D.C.

President: Mina Rees, City University of New York, New York

President-Elect: Glenn T. Seaborg, U.S. Atomic Energy Commission, Washington, D.C.

Other Members of the Board of Directors

David Blackwell (1972), University of California, Berkeley

Richard H. Bolt (1972), Bolt Beranek and Newman, Inc., Cambridge, Massachusetts

Lewis M. Branscomb (1973), National Bureau of Standards, Washington, D.C.

Barry Commoner (1974), Washington University, St. Louis, Missouri

Caryl P. Haskins (1974), Carnegie Institution of Washington, Washington, D.C.

Phyllis V. Parkins (1973), BioSciences Information Service, Philadelphia, Pennsylvania

Leonard M. Rieser (1971), Dartmouth College, Hanover, New Hampshire

Kenneth V. Thimann (1971), University of California, Santa Cruz

William T. Golden, ex officio, 40 Wall Street, New York

William Bevan, ex officio, AAAS

Vice Presidents and Section Chairmen

Mathematics: Henry O. Pollak, Bell Telephone Laboratories, Murray Hill, New Jersey

Physics: Gaylord P. Harnwell, University of Pennsylvania, Philadelphia

Chemistry: Charles C. Price, University of Pennsylvania, Philadelphia

Astronomy: Laurence W. Fredrick, University of Virginia, Charlottesville

Geology and Geography: Ellis L. Yochelson, U.S. Geological Survey, c/o U.S. National Museum, Washington, D.C.

Biological Sciences: George Sprugel, Jr., Illinois Natural History Survey, Urbana

Anthropology: Ward Goodenough, University of Pennsylvania, Philadelphia

Psychology: James E. Deese, Johns Hopkins University, Baltimore, Maryland

Social and Economic Sciences: Daniel P. Moynihan, Harvard University, Cambridge, Massachusetts

History and Philosophy of Science: Cyril Smith, Massachusetts Institute of Technology, Cambridge

Engineering: Newman A. Hall, National Academy of Engineering, Washington, D.C.

Medical Sciences: George B. Koelle, University of Pennsylvania, Philadelphia

Dentistry: Henry W. Scherp, National Institute of Dental Research, Bethesda, Maryland

Pharmaceutical Sciences: Wallace L. Guess, University of Texas, Austin

Agriculture: Matthias Stelly, American Society of Agronomy, Madison, Wisconsin

Industrial Science: Burton V. Dean, Case Western Reserve University, Cleveland, Ohio

Education: J. David Lockard, University of Maryland, College Park

Information and Communication: Edward L. Brady, National Bureau of Standards, Washington, D.C.

Statistics: Elizabeth Scott, University of California, Berkeley

Atmospheric and Hydrospheric Sciences: Thomas F. Malone, The Travelers, Hartford, Connecticut

Vice Presidents-Elect

Mathematics: John W. Tukey, Princeton University, Princeton, New Jersey

Physics: Herbert Friedman, U.S. Naval Research Laboratory, Washington, D.C.

Chemistry: Martin Paul, National Academy of Sciences, Washington, D.C.

Astronomy: George B. Field, University of California, Berkeley

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

Biological Sciences: Ian Sussex, Yale University, New Haven, Connecticut

Psychology: Dale B. Harris, Pennsylvania State University, University Park

History and Philosophy of Science: Everett Mendelsohn, Harvard University, Cambridge, Massachusetts

Medical Sciences: Robert W. Berliner, National Institutes of Health, Bethesda, Maryland

Dentistry: Joseph L. Henry, Howard University College of Dentistry, Washington, D.C.

Pharmaceutical Sciences: Linwood F. Tice, Philadelphia College of Pharmacy and Science, Philadelphia

Education: Lloyd K. Johnson, U.S. Office of Education, Washington, D.C.

Statistics: W. Duane Evans, Cornell University, Ithaca, New York

Atmospheric and Hydrospheric Sciences: John A. Knauss, University of Rhode Island, Kingston

Administrative Officers

Executive Officer

William Bevan, AAAS

Treasurer

William T. Golden, 40 Wall Street, New York

Staff

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 Managing Editor of *Science*: Robert V. Ormes
 Meeting Editor: Walter G. Berl
 Meeting Manager: D. W. Thornhill
 Business Manager: Hans Nussbaum
 Director of Education: John R. Mayor
 Acting Deputy Director of Education: Richard G. Netzel
 Director, Science Library Program: Hilary J. Deason
 Membership Recruitment: Leonard Wray

Secretaries of Sections

Mathematics: F. A. Ficken (1972), New York University, Bronx
 Physics: Albert M. Stone (1971), Johns Hopkins University Applied Physics Laboratory, Silver Spring, Maryland
 Chemistry: Leo Schubert (1972), American University, Washington, D.C.
 Astronomy: Arlo U. Landolt (1973), Louisiana State University, Baton Rouge
 Geology and Geography: William E. Benson (1972), National Science Foundation, Washington, D.C.
 Biological Sciences: Richard J. Goss (1973), Brown University, Providence, Rhode Island
 Anthropology: Anthony Leeds (1973), University of Texas, Austin
 Psychology: William D. Garvey (1972), Johns Hopkins University, Baltimore, Maryland
 Social and Economic Sciences: Harvey Sapolsky (1973), Massachusetts Institute of Technology, Cambridge
 History and Philosophy of Science: Raymond J. Seeger (1973), AAAS
 Engineering: Raynor L. Duncombe (1972), U.S. Naval Observatory, Washington, D.C.
 Medical Sciences: F. Douglas Lawrason (1972), University of Texas Southwestern Medical School, Dallas
 Dentistry: Sholom Pearlman (1974), University of Colorado Medical Center, Denver
 Pharmaceutical Sciences: John Aultian (1974), University of Tennessee Medical Units, Memphis
 Agriculture: Michael A. Farrell (1972), 420 Adams Avenue, State College, Pennsylvania
 Industrial Science: Jordan Lewis (1972), Battelle Development Corporation, Columbus, Ohio
 Education: Phillip R. Fordyce

(1971), Florida State University, Tallahassee

Information and Communication: Scott Adams (1971), National Academy of Sciences, Washington, D.C.

Statistics: Ezra Glaser (1973), U.S. Office of Education, Washington, D.C.

Atmospheric and Hydrospheric Sciences: Louis J. Battan (1972), University of Arizona, Tucson

Officers of the Divisions

Alaska Division

President: Laurence Irving, University of Alaska, College

Retiring President: T. Neil Davis, University of Alaska, College

Secretary: Irma Duncan, Arctic Health Research Center, College, Alaska

Council Representatives: Irma Duncan and David R. Klein, University of Alaska, College

Pacific Division

President: George E. Lindsay, California Academy of Sciences, San Francisco

President-Elect: Roy A. Young, Oregon State University, Corvallis

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

Council Representatives: Theodore L. Jahn and Robert C. Miller

Southwestern and

Rocky Mountain Division

President: Loren D. Potter, University of New Mexico, Albuquerque

President-Elect: John R. Lacher, University of Colorado, Boulder

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

Council Representatives: Marlowe G. Anderson and Loren D. Potter

Editorial Board of Science

Philip H. Abelson, AAAS, chairman
 Alfred Brown (1972), Celanese Re-

search Corporation, Summit, New Jersey

James F. Crow (1972), University of Wisconsin, Madison

Thomas Eisner (1971), Cornell University, Ithaca, New York

Amitai Etzioni (1971), Columbia University, New York

Emil W. Haury (1971), University of Arizona, Tucson

Daniel E. Koshland, Jr. (1971), University of California, Berkeley

Thomas Kuhn (1972), Princeton University, Princeton, New Jersey

Neal E. Miller (1971), Rockefeller University, New York

Elliott W. Montroll (1972), University of Rochester, Rochester, New York

Bruce Murray (1971), California Institute of Technology, Pasadena

John R. Pierce (1971), Bell Telephone Laboratories, Murray Hill, New Jersey

Frank Press (1972), Massachusetts Institute of Technology, Cambridge

Frank W. Putnam (1972), Indiana University, Bloomington

Walter O. Roberts (1972), National Center for Atmospheric Research, Boulder, Colorado

Maxine F. Singer (1971), National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland

Standing Committees

AAAS Meetings

S. Fred Singer, U.S. Department of the Interior, Washington, D.C., chairman

Wallace Givens, Argonne National Laboratory, Argonne, Illinois

Gerald Holton, Harvard University, Cambridge, Massachusetts

Margaret Mead, American Museum of Natural History, New York

David Prowitt, Communications Consortium, Inc., Washington, D.C.

Walter O. Roberts, National Center for Atmospheric Research, Boulder, Colorado

Athelstan Spilhaus, Woodrow Wilson International Center for Scholars, Smithsonian Institution, Washington, D.C.

Walter Sullivan, *New York Times*

Charles Weiner, American Institute of Physics, New York

Warren M. Washington, Youth Council Representative, National Center for Atmospheric Research, Boulder, Colorado

William Bevan, ex officio, AAAS

Walter G. Berl, staff representative, AAAS

Richard Trumbull, staff representative, AAAS

Council Affairs

Glenn T. Seaborg (1972), U.S. Atomic Energy Commission, chairman

John E. Cantlon (1973), Michigan State University, East Lansing

David E. Davis (1972), North Carolina State University, Raleigh

Merrill M. Flood (1971), Merrill Flood and Associates, Santa Monica, California

Ward H. Goodenough (1973), University of Pennsylvania, Philadelphia

Stanley Marshall (1972), Florida State University, Tallahassee

Mina Rees (1971), City University of New York, New York

S. Fred Singer (1973), U.S. Department of the Interior, Washington, D.C.

George Sprugel, Jr. (1972), Illinois Natural History Survey, Urbana

Gordon K. Teal (1971), Texas Instruments, Inc., Dallas

Frank Bradshaw Wood (1971), University of Florida, Gainesville

William Bevan, ex officio, AAAS, secretary

Executive Committee of the

Board of Directors

Athelstan Spilhaus, chairman

William Bevan

Richard H. Bolt

William T. Golden

Mina Rees

Glenn T. Seaborg

Investment and Finance

J. Woodward Redmond (1974), J. Woodward Redmond and Company, Washington, D.C., chairman

Kermit Gordon (1972), Brookings Institution, Washington, D.C.

Robert N. Kreidler (1971), Sloan Foundation, New York

Harold Linder (1973), 1901 24th Street, NW, Washington, D.C.

Marvin G. Schorr (1973), Technical Operations, Inc., Burlington, Massachusetts

William T. Golden, ex officio, 40 Wall Street, New York

William Bevan, ex officio, AAAS

Hans Nussbaum, staff representative, AAAS

Nominations and Elections

Mina Rees (1971), City University of New York, New York, chairman

David Blackwell (1971), University of California, Berkeley

S. Charles Kendeigh (1972), University of Illinois, Champaign

Glenn T. Seaborg (1972), U.S. Atomic Energy Commission, Washington, D.C.

Kenneth C. Spengler (1972), American Meteorological Society, Boston, Massachusetts

Ileen E. Stewart (1971), National Institutes of Health, Bethesda, Maryland

W. Gordon Whaley (1971), University of Texas, Austin

Public Understanding of Science

Gerard Piel (1973), *Scientific American*, New York, chairman

Ralph Bolgiano, Jr. (1973), Cornell University, Ithaca, New York

Loren C. Eiseley (1973), University of Pennsylvania, Philadelphia

Amitai Etzioni (1973), Columbia University, New York

William T. Golden (1971), 40 Wall Street, New York

Gerald Holton (1972), Harvard University, Cambridge, Massachusetts

Seymour S. Kety (1971), Massachusetts General Hospital, Boston

Robert B. Livingston (1973), University of California at San Diego, La Jolla

Ruth Moore (1972), 860 Lakeshore Drive, Chicago, Illinois

Lloyd N. Morrisett (1973), Markle Foundation, New York

Lewis M. Branscomb, ex officio Board representative, National Bureau of Standards, Washington, D.C.

Richard L. Haedrich, Youth Council representative, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts

William Bevan, ex officio, AAAS

Richard Trumbull, staff representative, AAAS

Publications

Thomas Park (1972), University of Chicago, Chicago, Illinois, chairman

Carroll G. Bowen (1973), Franklin Book Programs, New York

Donald H. Miller (1975), *Scientific American*, New York

J. R. Porter (1974), University of Iowa College of Medicine, Iowa City

Mina Rees (1971), City University of New York, New York

William Bevan, ex officio, AAAS

Philip H. Abelson, staff representative, AAAS

Richard Trumbull, staff representative, AAAS

Science in the Promotion of Human Welfare

Walter Modell (1972), Cornell University Medical College, New York, chairman

Robert M. Adams (1971), University of Chicago, Chicago, Illinois

James D. Ebert (1971), Carnegie Institution of Washington, Baltimore, Maryland

John C. McKinney (1973), Duke University, Durham, North Carolina

Margaret MacVicar (1973), Massachusetts Institute of Technology, Cambridge

W. Wayne Meinke (1973), National Bureau of Standards, Washington, D.C.

Martin Meyerson (1971), University of Pennsylvania, Philadelphia

John R. Platt (1971), University of Michigan, Ann Arbor

James E. Young (1972), Massachusetts Institute of Technology, Cambridge

Richard H. Bolt, ex officio Board representative, Bolt Beranek and Newman, Inc., Cambridge, Massachusetts

Linda Harris, Youth Council representative, Rouse Company, Columbia, Maryland

William Bevan, ex officio, AAAS

Richard Trumbull, staff representative, AAAS

Special Committees

AAAS-Newcomb Cleveland Prize, Judges

Austin H. Riesen (1971), University of California, Riverside, chairman

Leila Bram (1973), Office of Naval Research, Washington, D.C.

Sanborn C. Brown (1971), Massachusetts Institute of Technology, Cambridge

Michael D. Coe (1972), Yale University, New Haven, Connecticut

Richard J. Goss (1973), Brown University, Providence, Rhode Island

John R. Pierce (1972), Bell Telephone Laboratories, Murray Hill, New Jersey

Lawrence B. Slobodkin (1971), State University of New York, Stony Brook

J. T. Wilson (1972), University of Toronto, Clarkson, Ontario

Richard Trumbull, staff representative, AAAS

AAAS Socio-Psychological Prize

Daniel P. Moynihan, Harvard University, Cambridge, Massachusetts

Harvey Sapolsky, Massachusetts Institute of Technology, Cambridge

William Bevan, AAAS

AAAS-Westinghouse Science Writing Awards, Managing Committee

Richard Trumbull, AAAS, administrator

Matt Clark, *Newsweek*, New York

Harry R. Gail, Westinghouse Electric Corporation, Pittsburgh, Pennsylvania

Tom Phares, Westinghouse Electric Corporation, Pittsburgh, Pennsylvania

William Small, *Biomedical News*, Falls Church, Virginia

Grayce A. Finger, AAAS

Arid Lands

Harold E. Dregne (1972), Texas Technological College, Lubbock, chairman

Carl N. Hodges (1971), Environmental Research Laboratory, Tucson, Arizona

M. M. Kelso (1973), University of Arizona, Tucson

D. F. Peterson (1972), Utah State University, Logan

Terah L. Smiley (1971), University of Arizona, Tucson

Richard B. Woodbury (1973), University of Massachusetts, Amherst

Commission on Population and Reproduction Control

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Crawford S. Holling, University of British Columbia, Vancouver

John R. Platt, University of Michigan, Ann Arbor

Michael Scriven, University of California, Berkeley

S. Fred Singer, U.S. Department of the Interior, Washington, D.C.

Caryl P. Haskins, ex officio Board representative, Carnegie Institution of Washington, Washington, D.C.

Commission on Science Education

John A. Moore (1972), University of California, Riverside, chairman

Burton H. Colvin (1971), Boeing Scientific Research Laboratories, Seattle, Washington, vice chairman

Helen S. Astin (1972), University Research Corporation, Washington, D.C.

Albert V. Baez (1971), Carmel Valley, California

Elise Boulding (1972), University of Colorado, Boulder

Elof Axel Carlson (1973), State University of New York, Stony Brook

Johnnie T. Dennis (1972), 1427 Boyer Avenue, Walla Walla, Washington

Lloyd A. Ferguson (1973), University of Chicago School of Medicine, Chicago, Illinois

Robert Glaser (1971), University of Pittsburgh, Pittsburgh, Pennsylvania

Harold G. Liebherr (1971), Nicolet High School, Milwaukee, Wisconsin

Deborah P. Wolfe (1972), Queens College, Flushing, New York

Leonard M. Rieser, ex officio Board representative, Dartmouth College, Hanover, New Hampshire

Alan McGowan, Youth Council representative, Washington University, St. Louis, Missouri

John R. Mayor, ex officio, AAAS

Richard G. Netzel, ex officio, AAAS

William Bevan, ex officio, AAAS

Richard Trumbull, staff representative, AAAS

Environmental Alterations

Barry Commoner (1973), Washington University, St. Louis, Missouri, chairman

T. C. Byerly (1971), United States Department of Agriculture, Washington, D.C.

John E. Cantlon (1971), Michigan State University, East Lansing

William M. Capron (1972), Harvard University, Cambridge, Massachusetts

H. Jack Geiger (1973), Tufts University School of Medicine, Boston, Massachusetts

Jacob E. Goldman (1971), Xerox Corporation, Rochester, New York

Oscar Harkavy (1973), Ford Foundation, New York

Walter Modell (1972), Cornell University Medical College, New York

Jack P. Ruina (1971), Massachusetts Institute of Technology, Cambridge

Arthur M. Squires (1972), City College of the City University of New York, New York

Donald W. Aitken, Youth Council representative, San Jose State College, San Jose, California

William Bevan, ex officio, AAAS

Richard Trumbull, staff representative, AAAS

Governance

Leonard M. Reiser, Dartmouth College, Hanover, New Hampshire, chairman

David Blackwell, University of California, Berkeley

Merrill M. Flood, Merrill Flood and Associates, Santa Monica, California

Lorin A. Riggs, Brown University, Providence, Rhode Island

Kenneth V. Thimann, University of California, Santa Cruz

Frank Bradshaw Wood, University of Florida, Gainesville

Mack Lipkin, Jr., Youth Council representative, 405 Barclay Road, Chapel Hill, North Carolina

William Bevan, ex officio, AAAS

Richard Trumbull, staff representative, AAAS

Minorities in Science

Edward P. Dozier, University of Arizona, Tucson

Carter L. Marshall, Mount Sinai School of Medicine, New York

David D. Potter, Harvard Medical School, Boston, Massachusetts

David A. Sanchez, University of California, Los Angeles

(others to be appointed)

Youth Council

Warren M. Washington, National Center for Atmospheric Research, Boulder, Colorado, chairman

Donald Aitken, San Jose State College, San Jose, California

Richard Haedrich, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts

Linda Harris, Rouse Company, Columbia, Maryland

Mack Lipkin, Jr., 405 Barclay Road, Chapel Hill, North Carolina

Alan H. McGowan, Washington University, St. Louis, Missouri

Committees To Be Appointed

AAAS Socio-Psychological Prize, Judges

AAAS-Westinghouse Science Writing Awards, Screening Committee

AAAS-Westinghouse Science Writing Awards, Judges

Scientific Freedom and Responsibility

Representatives

American Association for Accreditation of Laboratory Animal Care

William T. Kabisch (1971), Southern Illinois University School of Medicine, Springfield

American National Standards Institute Sectional Committees on Abbreviations and on Letter Symbols (Y1 and Y10)

Everett Fuller, National Bureau of Standards, Washington, D.C.

Scientific Manpower Commission

Wallace R. Brode (1973), American Chemical Society, Washington, D.C.

M. H. Trytten (1972), National Academy of Sciences, Washington, D.C.

American Council on Education

Mark H. Ingraham, University of Wisconsin, Madison

John R. Mayor, AAAS

American National Standards Institute Committee N44

Russell Morgan, Johns Hopkins University, Baltimore, Maryland

Hawaiian Botanical Gardens

Foundation, Inc.

John N. Couch, University of North Carolina, Chapel Hill

U.S. National Commission for UNESCO

Arthur K. Solomon (1971), Harvard Medical School, Boston, Massachusetts

Marine Biological Committee of Review

H. Burr Steinbach, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts

National Council for Accreditation of Teacher Education

Arnold B. Grobman (1971), Rutgers University, New Brunswick, New Jersey

Science Service Board of Trustees

Wallace R. Brode (1972), American Chemical Society, Washington, D.C.

Bowen C. Dees (1973), Franklin Institute, Philadelphia, Pennsylvania

Athelstan Spilhaus (1971), Woodrow Wilson International Center for Scholars, Smithsonian Institution, Washington, D.C.

Looking Backward—Chicago AAAS Annual Meeting

Walter G. Berl, *Meeting Editor*

Soon after the conclusion of an annual meeting of the AAAS it is customary to report on its successes and to mention some of its disappointments. This year it seems worthwhile to cast a wider net, to analyze the effort over a longer time span and to fit it into the framework of the meeting objectives.

The central, basic, and primary goal of the Meetings is to present, in full public view, annual reports on the state of science and to submit these verbal reports to as wide an audience as possible. To do justice to this task requires that no less than three broad areas be covered: (i) reports on advances in *all* the fields of science and of technology, (ii) discussions of the consequences of new discoveries and developments on other human endeavors, and (iii) concern with goals and with values.

Is it possible to carry out to these difficult aims? Can one supplement the many technical meetings that encourage specialization and depth, and those that concentrate on one topic or a few topics, with a meeting dedicated to

breadth of coverage, to the interaction among scientific fields, and to interchanges with practitioners in fields outside of science?

It is best to let the record speak. Three dozen symposia, a number that could easily be doubled or tripled, held at AAAS Meetings during the last 3 years are listed as examples of a superb effort in filling this matrix.

Discussions within and among Disciplines

Current Problems in Cosmology (1969)
Interstellar Molecules and Chemistry (1970)

Elementary Particles and Symmetry (1970)

Mathematical Logic (1969)

Latest Results of the Deep-Sea Drilling Project (1970)

The Use of Space by Animals and Man (1968)

Separation and Depression (1970)

Education of the Infant and Young Child (1969)

Chemistry of Learning and Memory (1970)

Teaching of Science (1970)

Climate and Man (1969)

Lake Restoration (1970)

Discussions of the Consequences of New Developments

Effects of the Large-Scale Use of Defoliants in Vietnam (1970)

Biology and Sociology of Violence (1969)

Advances in Human Genetics and Their Impact on Society (1970)

Mood Behavior and Drugs (1970)

Genetic Technology; Some Public Considerations (1968)

Brain and Language (1969)

Power Generation and Environmental Change (1969)

Unanticipated Environmental Hazards (1968)

Global Effect of Environmental Pollution (1969)

Is Population Growth Responsible for the Environmental Crisis? (1970)

Innovation (1969)

Urbanization in Arid Lands (1970)

Discussion of Goals and Values

The Identity and Dignity of Man (1969)

Science and the Future of Man (1969)

Human Settlements and Environmental Design (1969)

Reducing the Environmental Impact of a Growing Population (1970)

Is There an Optimum Level of Population? (1969)

Scientific Organization—War-Peace Issues (1970)

Technology and Values (1968)

Physics and the Explanation of Life (1969)

Technology Assessment and Human Possibilities (1969)

Problems in the Meaning of Death (1970)

Is There a Generation Gap in Science? (1970)

Science and Music (1969)

Clearly, not all contributions, coming from an almost bewildering variety of sources, meet this extraordinary level