

## AAAS Council Meeting, 1986

**T**HE AAAS Council held its 1986 meeting on 29 May in the Wyndham A Room of the Franklin Plaza Hotel, Philadelphia, with 50 of its 82 members in attendance. President-Elect Lawrence Bogorad presided.

### Executive Officer's Report

William D. Carey called attention to his annual report in *Science* (7 February 1986) and noted that the journal continues to prosper financially, editorially, and artistically. The Association's popular magazine, *Science* 86, now in its seventh year, recently garnered one more in a series of awards for editorial excellence. However, it shares with other quasi-popular science magazines a marked decline in advertising revenue, despite its high circulation rate of 739,000. The AAAS Board of Directors is examining the alternatives available to the Association in responding to the advertising shortfall.

The 1986 budget presented to the Council showed a deficit of \$1.85 million, the result of several factors in addition to the advertising downturn: postal increases for nonprofit organizations, declining interest rates, and purchase of office automation equipment. AAAS is taking steps to overcome these reverses. On the bright side, Mr. Carey pointed out that less than 2 percent of AAAS income is linked to federal funds, thereby limiting exposure to the Gramm-Rudman-Hollings deficit-cutting legislation, and that corporations and foundations have been generous in their grant support of many AAAS program activities.

In conclusion, he reminded

the Council of his intention to retire as AAAS Executive Officer. The Board of Directors is continuing its search for his successor.

### Elections

Election of the following Section Secretaries, who took office on 31 May, was announced:

Section A (Mathematics): Lynn Arthur Steen (reelection)

Section J (Psychology): William N. Dember (reelection)

Section K (Social, Economic, and Political Sciences): William R. Freudenburg

Section M (Engineering): W. Edward Lear (reelection)

Section N (Medical Sciences): Henry Blackburn

Results of the 1985 general and electorate elections were published in the 3 January 1986 issue of *Science*.

### Affiliation

The Council was informed of the withdrawal from affiliation of the American Academy of Optometry, the American Education Research Association, and the Torrey Botanical Club.

As new affiliates, the Council elected the following organizations: American Academy of Otolaryngology-Head and Neck Surgery, American Association of Physicists in Medicine, Association of Ground Water Scientists and Engineers, Council of Biology Editors, International Association for Impact Assessment, Native American Science Education Association, Society for Computer Simulation, Society for the Scientific Study of Sex, and Soil Science Society of America.

The Council amended Criterion 3 in the list of criteria for affiliation of other organizations with the AAAS ("It [the applying organization] does not discriminate in its membership on the basis of race, creed, color, sex, or national origin."), as follows:

It [the applying organization] is committed to the principle of equal opportunity as stated below:

The American Association for the Advancement of Science is formally committed to the principle of equal opportunity for all persons, without regard to irrelevant considerations of sex, race, creed, color, handicap, national origin, or age. It practices this principle in the selection and promotion of its employees and by opening its membership to all who are interested; by encouraging its nominating committees to nominate women, minority, and handicapped scientists and engineers for elective positions; and by attempting to increase the participation of women, minority, and handicapped scientists and engineers in all of its activities.

The Board of Directors recognizes that complex social, economic, and political forces have combined in the past to discourage women, minority, and handicapped persons from entering the sciences and engineering, and to deny those who do enter equal access to positions of respect and authority. It is the Board's conviction that if each professional association would take all measures within its power to counteract these historic forces, the cause of truly equal opportunity for everyone in the scientific and engineering professions would be significantly advanced. The Board urges the affiliated organizations to join with the Association in this endeavor. [Statement adopted by the AAAS Board of Directors, January 1974; revised October 1977]

### Fellowship

As Fellows of the Association, the Council elected 276 members who had been proposed for that honor by the Steering Groups of the 21 AAAS Section Committees and by groups of three Fellows. A list of their names accompanies this report.

### Establishment of Section Y (General Interest in Science and Engineering)

In October 1985, the Council approved by mail ballot a change in the name of Section X from "General" to "Societal Impacts of Science and Engineering." To ac-

commodate the interests of a number of Section X members who had opposed the change, as well as affiliated academies of science and other members, the Council voted to establish a new Section Y (General Interest in Science and Engineering) and to amend Bylaw Articles I and III accordingly. This brings the number of AAAS Sections to 22.

### Method of Selecting Section Secretaries

The AAAS Constitution provides that the Secretary of each Section "shall be elected by his or her Section Committee for a term of four years."

Two separate proposals for a change in the method of selecting Section Secretaries were presented for the Council's considerations:

1) Election by those Section officials who are elected by the Electorate (the Retiring Section Chairperson, the Section Chairperson-Elect, the four Members-at-Large of the Section Committee, the Council delegate(s), and the members of the Electorate's Nominating Committee).

2) Appointment by the Section's Steering Group (the Retiring Section Chairperson, the Section Chairperson-Elect, the Section Secretary, and the four Members-at-Large of the Section Committee).

The Committee on Council Affairs recommended, and the Council concurred, that comments on these proposals be collected from the Sections and that the matter be taken up again at the February 1987 Council meeting. Further details will be published in a fall issue of *Science*.

### Resolutions

Two resolutions were adopted by the Council, as follows:

1) *Reestablishment of an Ethics Advisory Board, U.S. Department of Health and Human Services*, submitted by the AAAS Committee on Scientific Freedom and Responsibility:

Whereas the Ethics Advisory Board of the U.S. Department of Health and Human Services has not been in operation since 1980, and

Whereas serious ethical concerns continue to arise in current and proposed areas of biological, biomedical, and behavioral research, including:

- Reproductive biology;
- Research involving children;
- Research involving the mentally impaired, including the demented elderly, or others where the

issue of informed consent becomes problematic;

- Research on aggression;
  - Issues of confidentiality and access to research information, and
- Whereas certain types of research proposals in these areas by law cannot be funded in the absence of review and approval by an Ethics Advisory Board in the U.S. Department of Health and Human Services [see for example 45 CSF Subpart B, Section 46.204 and Subpart D, Section 46.407 (b)], and

Whereas the scientific community, policy-makers, and the public at large benefit greatly from national advisory panels which interpret and apply existing policies to specific research proposals which may be problematic or controversial,

Be it resolved that the American Association for the Advancement of Science strongly urges the Secretary of Health and Human Services to authorize the reestablishment of an Ethics Advisory Board, and

Be it further resolved that the Asso-

ciation urges the Secretary to solicit nominations for Board members from professional and scientific societies as well as other informed and interested organizations, and

Be it further resolved that AAAS encourage its affiliated societies to add their support to the establishment of an Ethics Advisory Board.

2) *Gramm-Rudman-Hollings Emergency Deficit Reduction Act of 1985*, submitted by Gordon H. Rovelstad, Chairperson of

## AAAS Members Elected as Fellows, 29 May 1986

Niv Ahituv  
Alfred V. Aho  
John W. Algeo  
Robert H. Andrew  
John M. Arnold  
Norman Austern  
John David Axtell  
R. Clifton Bailey  
John S. Ball  
William A. Bassett  
O. A. Battista  
Charles P. Bean  
Ruth Rogan Benerito  
John E. Bercaw  
Gerald S. Berenson  
Claire M. Berg  
Theodore W. Berger  
Stephen D. Berry  
Norbert M. Bikales  
Olle L. Bjorkman  
Bruno A. Boley  
Daniel B. Botkin  
David G. Boulware  
Albert H. Boyd  
Louis Jefferson Boyd  
Ronald Breslow  
Gene M. Brown  
R. Harold Brown  
Douglas L. Brutlag  
Nancy L. Bucher  
John M. Burns  
Nigel Calder  
Martyn M. Caldwell  
William F. Campbell  
Sidney M. Cantor  
John E. Castle  
Chuan F. Chen  
Aram V. Chobanian  
Prabhakara Velagapudi Choudary  
Camden A. Coberly  
Daniel M. Cohen  
John Janeway Conger  
John D. Corbett  
Eugene E. Covert  
Vincent Cristofalo  
Paul T. Cunningham  
Peter Dallos  
Samuel Danishefsky  
James W. Deardorff  
Anthony J. DeCasper  
Pierre Dejours  
Diana Deutsch  
Dena F. Dincauze  
James J. Doheny  
Russell F. Doolittle

John J. Dorning  
Mildred S. Dresselhaus  
Don E. Dumond  
R. Bruce Dunlap  
James R. Durig  
C. Theodore Dyrness  
Sylvia A. Earle  
Philip Eugene Eaton  
David W. Ehrenfeld  
Boyd G. Ellis  
Jerry W. Elwood  
J. Merritt Emlen  
Robert H. Eustis  
David L. Featherman  
George Feher  
Marcus Feldman  
Michael E. Fisher  
H. A. Fitzhugh  
Hermann Flohn  
Ralph William Fogleman  
Don Charles Fowles  
Phyllis A. Fox  
Robert Fox  
Judy R. Franz  
John Fried  
Joyce B. Friedman  
William Fulkerson  
Geraldine F. Gauthier  
Leslie A. Geddes  
Carl W. Gehrs  
John Gergely  
Richard J. Goldstein  
Mary Lowe Good  
Howard M. Goodman  
John R. Goss  
Kurt Gottfried  
Lee T. Grady  
Ellen R. Grass  
Donald M. Gray  
Ann M. Graybiel  
Elias Greenbaum  
Alan Dale Grinnell  
M. Grant Gross  
Warren James Haas  
Robert Johns Haggerty  
Erwin L. Hahn  
Gordon A. Hamilton  
Willard D. Hartman  
George Rogers Hawkes  
Leonard Hayflick  
Dennis Hedgecock  
Ellen J. Henderson  
Rolf H. Herber  
Colin O. Hermans  
Eric Herz  
Robert R. Hessler

John G. Hildebrand  
William B. Hillig  
James S. House  
Ronald R. Hoy  
William G. Iacono  
James R. Ison  
Edward G. Jefferson  
J. Richard Jennings  
Martin C. Jischke  
Russel C. Jones  
Peter C. Jurs  
Isaac R. Kaplan  
Stanley B. Kater  
Solomon H. Katz  
Larry Kevan  
Daniel J. Kevles  
Ashok K. Khare  
Claude Klee  
Ole J. Kleppa  
Eric Klinger  
C. Gregory Knight  
Katherine L. Knight  
Karl J. Kramer  
Lynn T. Landmesser  
Herbert Gaines Langford  
Linwood L. Lee, Jr.  
Thomas H. Lee  
Estella B. Leopold  
Rita G. Lerner  
Harvey F. Lodish  
Lawrence A. Loeb  
Frederic M. Lord  
Gloria B. Lubkin  
Joseph J. Maio  
Thomas Maniatis  
Edwin P. Marks  
Yvonne C. Martin  
Ursula B. Marvin  
Luigi Gaetano Marzilli  
Edward Joseph Massaro  
Everette L. May  
Alexander R. McBirney  
James J. McCarthy  
Gary C. McDonald  
Bruce S. McEwen  
Alan McGowan  
Donald B. McIntyre  
Wilbur L. Meier, Jr.  
Andrew N. Meltzoff  
Matthew Meselson  
Edward H. Michelson  
William Frederick Miller  
Nawin C. Mishra  
Ralph Mitchell  
Kivie Moldave  
Thomas W. Moloney

Daniel E. Morse  
Douglass H. Morse  
Karen W. Morse  
Robert Allan Neal  
Sidney D. Nelson  
Edward P. Ney  
Nils J. Nilsson  
Laurence H. Nobles  
John D. O'Connor  
M. J. Ohanian  
Jack E. Oliver  
Robert A. Olson  
Ralph Seal Paffenbarger, Jr.  
Robert T. Paine, Jr.  
Barry A. Palevitz  
Howard B. Palmer  
Peter A. Parsons  
James L. Patton  
Glenn Paulson  
Beverly Ann Pawson  
Roger S. Payne  
Elizabeth Peelle  
Robert G. Petersdorf  
David M. Peterson  
Raymond L. Pickholtz  
Gerald C. Pomraning  
Philip S. Portoghese  
Samuel H. Preston  
Roy A. Rappaport  
Ned S. Raun  
Daniel H. Rich  
Herman E. Ries, Jr.  
Peter Robinson  
Robert W. Romig  
Joel L. Rosenbaum  
Robert J. Rubin  
Michael Ruse  
Glen A. Russell  
Vernon W. Ruttan  
Fred E. Saalfeld  
George W. Salt  
Frederick Sanders  
William McCoy Sangster  
Kenneth F. Schaffner  
Frederick Scheuren  
Dietrich Schneider  
Stephen H. Schneider  
Lawrence Edwin Schrader  
Alan Schriesheim  
Neena B. Schwartz  
Kenneth P. Sebens  
Bassam Z. Shakhshiri  
Harry L. Shipman  
Beatrice Shube  
Oliver Smithies

William Peter Smotherman  
George A. Snow  
Thomas R. Soderstrom  
Elizabeth K. Stage  
Peter J. Stang  
Jane Stewart  
John W. Strohbehn  
William C. Sturtevant  
Roger Kent Summit  
Francis X. Sutton  
Frank H. Talbot  
Harvey Tananbaum  
Jason M. Tanzer  
Edward Taub  
Ladislav Tauc  
Olga Taussky-Todd  
James E. Tavares  
Robert S. Taylor  
Joseph J. Tecce  
Albert H. Teich  
James Wardrop Telford  
Howard M. Temin  
Timothy J. Teyler  
Herbert D. Thier  
Richard W. Thorington, Jr.  
John G. Topliss  
Kenneth M. Towe  
Arthur D. F. Toy  
Laurence M. Trafton  
George W. Tressel  
A. Forrest Troyer  
Richard W. Tsien  
Yi-Fu Tuan  
Robert James Uffen  
Francois Vuilleumier  
Grace Wahba  
David B. Wake  
Gilbert P. Waldbauer  
Thomas R. Waller  
Robert C. Ward  
Joel S. Warm  
Donald William Warren  
Spencer R. Weart  
Jay M. Weiss  
R. O. Wells, Jr.  
Robert Wells  
Albert R. C. Westwood  
David P. Willis  
Nicholas Winograd  
Judith E. Winston  
David S. Woodruff  
Lauren A. Wright  
W. R. Zeitler  
Irving Zucker

## AAAS Section R (Dentistry):

Whereas the Gramm-Rudman-Hollings Emergency Deficit Reduction Act of 1985 has set maximum and allowable deficit levels on a declining basis from 1986 to 1991, and

Whereas if deficit targets are not met by other means, then spending reductions are to be achieved through cancellation of budget authority using a process called sequestration, and

Whereas quality and meritorious basic scientific research is dependent upon support from the Federal Government, and

Whereas investment in basic research is vital to the growth, security, and development of the United States and the advancement of the peoples of the world,

Be it therefore resolved that the American Association for the Advancement of Science urges the Congress and the President, in order to avoid endangering funding for basic research, to find suitable means for meeting the Gramm-Rudman-Hollings deficit targets without triggering sequestration.

## Science

Editor Daniel E. Koshland, Jr., reported that innovations in 1985 consisted of establishing a board of reviewing editors to screen manuscripts and to speed the return of those papers judged less broadly interesting; initiating "This Week in *Science*" to encourage cross-disciplinary reading by highlighting papers in nonspecialized terms; planning shorter special issues to allow space to include regular features needed to hold the interest of the broad audience; providing "Perspective" as a vehicle for personal

views on a field or on a specific paper by an eminent and particularly qualified commentator; and designing a new format to emphasize interior changes and to rearrange departmental order for the readers' convenience.

Goals for 1986 are to add more pages, despite the \$1000 per page increased cost to AAAS; to publish manuscripts within 4 months of their receipt; to introduce a new feature, "Policy Forum," for debates on both sides of an issue; to expand the book review section; to print essays by researchers on current research news topics; and to feature additional articles on the physical and social sciences.

## Science 86

Editor Allen L. Hammond summarized the current status of the magazine. Topping the list of achievements was the recent conferral of the National Magazine Award to *Science 85* for articles published in the public interest. Sponsored by the American Society of Magazine Editors, the annual competition is conducted by the Columbia School of Journalism. Dr. Hammond also noted that, with the support of corporate funding, *Science 86* will initiate a new program to place 96,000 copies of the magazine (in classroom sets of 30) in public schools located in over 80 cities nationwide.

MARGE WHITE  
Executive Office

## Summer Fellows at Work

Again this summer the AAAS has placed young scientists at work at the U.S. Environmental Protection Agency and at media sites across the country.

Twenty advanced science students are in the midst of 10-week fellowships with newspapers, magazines, and television and radio stations as participants in the 1986 AAAS Mass Media Science and Engineering Fellows Program. The students, most of whom are at the graduate level, are working as science reporters, production assistants, and researchers.

Stephen Oliver, a petroleum engineer who is spending his summer at the *Albuquerque Journal*, writes: "The first day heralded the immense scope of science writing. I read releases from AIDS to zinc. Tuesday I was out covering a solar power conference . . . and had my first byline in Wednesday's paper. This . . . fueled my enthusiasm even more."

This is the 12th year of the Mass Media Program, whose broad purpose is to strengthen the relationship between the science community and the media, and thereby lead to a heightened public understanding of science and technology. The Fellows began their summer with an in-



The 1986 Mass Media Fellows are, left to right, front row: Jane Allison, Susan Winslow, Steven Dickman, Antoinette Reed, Karen Fitzgerald, Mary Rose Paul, Nancy Bazilchuk, and Elizabeth Moberg. In the middle row: Michel Gelobter, Stephen Prescott, Peter Dratch, Stephen Oliver, and Sandra Steingraber. Top row: John Rubin, David Fanning, Ramiro Ortiz, Janet Kahn, Russell Geoffrey, and Robert Whitehair. Not pictured is Celia Ann Hooper.

## Chairmen and Secretaries of AAAS Sections

MATHEMATICS (A)  
Peter D. Lax  
Lynn Arthur Steen  
PHYSICS (B)  
Paul C. Martin  
Rolf M. Sinclair  
CHEMISTRY (C)  
Blaine C. McKusick  
Jeanne M. Shreeve  
ASTRONOMY (D)  
Michael J. S. Belton  
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GEOLOGY AND GEOGRAPHY (E)  
William W. Hambleton  
Helen M. McCammon

BIOLOGICAL SCIENCES (G)  
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ANTHROPOLOGY (H)  
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Richard F. Thompson  
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Renée C. Fox  
William R. Freudenburg  
HISTORY AND PHILOSOPHY OF SCIENCE (L)  
Sally Gregory Kohlstedt  
Arthur L. Norberg  
ENGINEERING (M)  
Peter Elias  
W. Edward Lear

MEDICAL SCIENCES (N)  
Alexander Leaf  
Henry Blackburn  
AGRICULTURE (O)  
William E. Larson  
Ralph J. McCracken  
INDUSTRIAL SCIENCE (P)  
James L. Dwyer  
Robert L. Stern  
EDUCATION (Q)  
Robert E. Yager  
Joseph D. Novak  
DENTISTRY (R)  
Harald Loe  
Harold M. Fullmer  
PHARMACEUTICAL SCIENCES (S)  
Grant R. Wilkinson  
Betty-ann Hoener

INFORMATION, COMPUTING, AND COMMUNICATION (T)  
Marshall C. Yovits  
Elliot R. Siegel  
STATISTICS (U)  
Margaret E. Martin  
Edward J. Wegman  
ATMOSPHERIC AND HYDROSPHERIC SCIENCES (W)  
David Atlas  
Bernice Ackerman  
SOCIETAL IMPACTS OF SCIENCE AND ENGINEERING (X)  
Dean Abrahamson  
Rodney W. Nichols

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M. Michelle Balcomb  
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