1980 AAAS Awards Presented in Toronto

Three AAAS-sponsored prizes were presented during the 1981 Annual Meeting in Toronto. The Socio-Psychological Prize and the Newcomb Cleveland Prize were presented immediately preceding the AAAS president's Public Lecture, Tuesday, 6 January. The AAAS-Westinghouse Science Writing Awards were given during the National Association of Science Writers annual banquet at the meeting, Monday, 5 January.

AAAS Socio-Psychological Prize: Bibb Latané of Ohio State University, Stephen G. Harkins of Northeastern University, and Kipling D. Williams of Drake University received the AAAS Socio-Psychological Prize for 1980.

The \$1000 prize was awarded to Latané, Harkins, and Williams for their paper, "Many hands make light the work: Causes and consequences of social loafing." The article, first published in 1979 in the Journal of Personality and Social Psychology, describes a series of experiments which indicate that individuals perform at a higher level when alone than when performing as members of a group.

Bibb Latané, who won the AAAS Socio-Psychological Prize with John M. Darley in 1968, is director of the Behavioral Sciences Laboratory at Ohio State University. Prior to joining the faculty at Ohio State University in 1968, he was affiliated with Columbia University. Latané received the B.A. degree from Yale University in 1958 and the Ph.D. degree from the University of Minnesota in 1963.

Stephen G. Harkins is an assistant professor at Northeastern University where he has been since 1977. He received the B.A. degree from the University of Texas in 1970, and the M.A. and Ph.D. degrees from the University of Missouri in 1972 and 1975, respectively.

Kipling D. Williams, an instructor of psychology at Drake University, is completing the Ph.D. requirements at Ohio State University. He received the B.S. degree from the University of Washington in 1975 and the M.A. degree from Ohio State University in 1977.

AAAS-Newcomb Cleveland Prize: A

6 FEBRUARY 1981

report on an international program that has led to new discoveries of exotic deep-ocean marine life and mineral-enriched hydrothermal seawater circulation off Mexico was selected for the 1980 AAAS-Newcomb Cleveland Prize. Fred Noel Spiess of Scripps Institution of Oceanography, University of California, San Diego, accepted the award for himself and 21 other authors who participated in the project and production of the research paper. Winners will each receive a bronze medal and a portion of the \$5000 prize.

The prizewinning article, "East Pacific Rise: Hot springs and geophysical experiments," was published in *Science* (pages 1421-1433), 28 March 1980. The article described a series of dives conducted off the coast of Baja California from March through May 1979. Scientists found extraordinary life forms and geological structures surrounding hot springs, or hydrothermal vents.

Results of this and related programs are, according to Speiss, revolutionizing concepts of ocean circulation and mineral deposition, as well as challenging old theories of life in the deep sea through the discovery of food chain systems that do not depend on plant life.

Co-chief scientists for the diving program were Speiss and Kenneth C. Macdonald, formerly of Scripps and now with the University of California, Santa Barbara. Other authors of the article who participated in the dives or were consultants on the program in addition to Speiss and Macdonald, are: Charles Cox, James Hawkins, Rachel Havmon, Robert Hessler, Miriam Kastner, Douglas Macdougall, Stephen Miller, and John Orcutt of Scripps Institution of Oceanography; Tanya Atwater and Bruce Luyendyk of the Department of Geological Sciences, University of California, Santa Barbara; Robert Ballard of Woods Hole Oceanographic Institution; Roger Larson of Lamont-Doherty Geological Observatory; William Normark of the Office of Marine Geology, U.S. Geological Survey; Arturo Carranza and Victor M. Diaz Garcia of the Centro de Ciencias del Mar y Limnologia, Ciudad

Universitaria; Diego Cordoba and Jose Guerrero of the Instituto de Geologia, Universidad Nacional Autonóma de Mexico; Jean Francheteau of the Centre National pour l'Exploitation des Océans, Centre Océanologique de Bretagne; Thierry Juteau of the Laboratoire de Minéralogie-Pétrographie, Université Louis Pasteur; and Claude Rangin, of the Intitut de Géologie, Université de Paris.

AAAS Westinghouse Science Writing Awards: The three 1980 AAAS-Westinghouse Science Writing Awards of \$1000 each were given in recognition of outstanding writing on the natural sciences and their engineering and technological application, excluding medicine, in newspapers and general circulation magazines.

The 1980 winners and their entries are:

• For science writing in newspapers with more than 100,000 daily circulation—Mark Bowden, for an article, "Breeding the better cow," published 17 March 1980 in the Philadelphia *Inquirer*. An honorable mention went to Lewis Cope, for three articles about radiation leaks at the Prairie Island nuclear plant, published 25 November 1979 in the Minneapolis *Tribune*.

• For science writing in newspapers with under 100,000 circulation—David Crisp, the Palestine (Texas) *Herald*-*Press*, for a series of articles, "Nuclear waste: A problem that won't go away," published 24-28 February 1980.

• For science writing in general circulation magazines—C. P. Gilmore, *Popular Science*, for an article, "After 63 years, why are they still testing Einstein?," published December 1979. An honorable mention went to Alan Hall and team for an article, "The second Green Revolution," published 25 August 1980 in *Business Week*.

Washington Meeting in 1982

It is not too early to begin thinking about the Washington Annual Meeting (3-8 January 1982). If you have suggestions for a symposium for the Washington Meeting, please submit the following information no later than 15 March 1981:

a) Name, address, affiliation, and phone number of the person who

would arrange the symposium. (If more than one arranger is involved, specify which one is to receive correspondence.)

- b) Title of proposed symposium.
- c) Brief statement (about 200 words) of the purpose of the symposium.
- d) List of probable speakers (do not confirm until proposal is accepted), their affiliations, and topics.

All proposals are subject to review and, if the material submitted is inadequate for the purpose of reviewing, the proposal will be returned. Often endorsement by a AAAS Section Committee is accepted by the program committee in lieu of further reviewing; thus it is in the interest of the proposer to send a copy of the proposal to the appropriate Section Secretary (see the contents page of this issue for names) requesting endorsement. Notification about acceptance, conditional acceptance, or nonacceptance will be sent about the beginning of May. Preliminary programs with confirmed speakers are due in mid-June. Final program copy, suitable for publication, is due in late August.

We are particularly interested in symposia that deal with the latest developments in science and technology and that deal with the implications of these developments for society. We are interested in hearing from all AAAS members regarding suggestions for symposia for future Meetings, as well as general comments about the Annual Meeting.

Send originals of proposals to the Meetings Office at the AAAS address.

Pacific Division Announces Meeting

The Pacific Division of the AAAS will meet this year at the University of Oregon in Eugene on 14–19 June. Symposia are planned on Mount St. Helens (ecological effects, influence on vegetation, changes in the physical environment), on neuroethology, and on meteorology.

Regional divisions of the American Meteorological Society, American Society for Horticultural Science, American Society of Plant Physiologists, Botanical Society of America, Ecological Society of America, and the Western Society of Soil Science, and the Division's Section E (Geology and Geography), G (Biological Sciences), J (Psychology), K (Social and Economic Sciences), and W (Atmospheric and Hydrospheric Sciences) will participate in the meetings. Contributed papers are invited in the wide range of fields represented by the affiliated societies. Graduate students are encouraged to give papers at Division meetings and to enter the competition for best student paper awards. Titles and abstracts for contributed papers are due to session organizers by 31 March 1981.

Division President Beatrice Sweeney and U.S. Geological Survey paleontologist and Antarctic traveler Ellis Yochelson will present public addresses. The Division meeting will also include several social events such as a banquet, wine and cheese reception, and a mixer; field trips are planned to Mount St. Helens (aerial reconnaissance in light aircraft, weather permitting), the Willamette Valley, H. J. Andrews Experimental Forest, and the Columbia River Gorge.

For details on the Division meetings, write for a preliminary announcement (sent automatically to all AAAS members residing in the Pacific Region and to others on request) to A. Leviton, Pacific Division-AAAS, c/o California Academy of Sciences, San Francisco, Calif. 94118.

Energy Seminars in 1981

A series of four regional energy seminars is in the planning stages for 1981. One of the seminars will examine the availability and utilization of energy resources on Native American tribal lands in New England and adjacent Canadian borderlands. The topics will include real and potential development of local resources under the tribal aquaculture, forestry, and tidal energy programs. The seminar will be held 7-8 May at Dartmouth College, Hanover, New Hampshire.

The future of technological and financial requirements of oil shale development should provide an informative and stimulating focus for a second seminar in this series. Scheduled for July in the Denver, Colorado, area, this seminar will include participants from the states most directly involved in any future oil shale development and from adjacent states which have deep water-related concerns.

The AAAS Regional Energy Seminars, sponsored by the U.S. Department of Energy, are cosponsored by local groups, such as chapters of Sigma Xi, universities, and other professional, public interest, and government organizations. The purpose of the seminars is to promote the public understanding of science policy issues by arranging for their open and timely discussion.

Sites for two additional seminars in the

1981 series are still under consideration at this time. Those interested in learning more about the seminars should contact Patricia S. Curlin, regional energy seminar coordinator, at the AAAS address; telephone 202-467-4310.

OOS Completes Inventory of Programs for Women

The Office of Opportunities in Science (OOS), under a grant from the National Science Foundation, has recently published *Programs in Science, Engineering, and Mathematics for Women in the United States: 1966–1978.* This document contains annotated entries for approximately 300 programs at all grade levels from elementary through the doctoral level. Also included are faculty/employee development and reentry programs.

Each inventory entry provides the following information: name and address of the program, estimated cost, sponsoring organization, scientific disciplines covered in the program, grade level, number of participants involved, special recruitment efforts and involvement of minority and disabled women, a description of the program, publications and audiovisual materials produced, and name and address of contact person.

Also included in the document is an extensive bibliography of articles and publications pertaining to women in science, mathematics, and engineering and a listing of women's science organizations and committees.

Single copies are available at no charge by writing the Project on Women in Science, Office of Opportunities in Science, at the AAAS address, telephone 202-467-5431.

Global Seminar Held in New Delhi

One hundred scientists and engineers from about 40 countries from all over the world participated in a global seminar on the Role of Scientific and Engineering Societies in Development, held in New Delhi, India, 1–5 December 1980. Principal cosponsors with AAAS were the Indian Science Congress Association (IS-CA) and the Indian National Science Academy (INSA). Financial support was provided by the cosponsors and other organizations, including the U.S. National Science Foundation and the Indian Department of Science and Technology.

Participants were drawn from scientific