

1976 AAAS Awards Presented in Denver

Two Association awards, the AAAS-Rosenstiel Award in Oceanographic Science and the AAAS-Westinghouse Science Writing Awards, were presented during the 143rd Annual Meeting of the Association in Denver. The AAAS-Newcomb Cleveland Prize and the AAAS Socio-Psychological Prize were not awarded for 1976.

AAAS-Rosenstiel Award in Oceanographic Science

Gordon A. Riley, an oceanographer who pioneered the concept of the ocean as a biological system that interacts with physics and chemistry, was awarded the AAAS-Rosenstiel Award in Oceanographic Science for 1976.

He received the \$5000 prize on 23 February 1977 during the AAAS Retiring President's Public Lecture at the Annual Meeting in Denver.

Riley was selected to receive the prize in part because "he was the first to consider biological oceanography in terms of differential equations and to cast conceptual ideas in rigorous form, thus advancing theories and understanding." His published research, representing nearly 40 years of work in biological oceanography, covers such areas as the composition, productivity, and environmental control of marine ecosystems in general and plankton populations in particular. His recent research in nonliving dissolved and particulate organic matter in the sea has stimulated further interest in and study of that area of oceanography.

A Canadian citizen since 1971, Riley was born in Webb City, Missouri. He received the B.S. degree from Drury College, the M.S. in zoology from Washington University, and the Ph.D. in zoology from Yale University, where he was a Sterling Fellow from 1937-1938 and an instructor at the University's Bingham Oceanographic Laboratory from 1938-1942.

After working as a marine physiologist at the Woods Hole Oceanographic Institution between 1942 and 1948, he returned to Yale. During a 17-year association with the university, he served as research associate and later associate di-

rector at the Bingham Laboratory and as professor of oceanography from 1959-1965.

In 1965 he assumed the directorship of the Institute of Oceanography at Dalhousie University, Nova Scotia, a position which he held, together with a professorship in oceanography, until 1973. He continued to teach until 1976 and is now professor emeritus of oceanography at Dalhousie.

Among his extracurricular activities, Riley has served on the National Science Foundation Advisory Panel on Environmental Biology and the Canadian Committee on Oceanography. He is currently a consultant to the Brookhaven National Laboratory's oceanographic program.

AAAS-Westinghouse Science Writing Awards

The 1976 AAAS-Westinghouse Science Writing Awards were presented on 22 February, during the National Association of Science Writers (NASW) banquet at the AAAS Annual Meeting in Denver. The three awards of \$1000 each were given in recognition of outstanding writing on the natural sciences and their engineering and technological applications, excluding medicine, in newspapers and general circulation magazines. Four honorable mentions were also awarded this year.

The winners and their entries are:

- For science writing in newspapers with over 100,000 daily circulation—Paul G. Hayes, *The Milwaukee Journal*, for an article, "Mountains of Oil," published 3 October 1976.

- For science writing in newspapers with under 100,000 daily circulation—Don Alan Hall, *Corvallis (Oregon) Gazette-Times*, for an article, "Trees of Conflict," published 4 August 1976.

- For science writing in general circulation magazines—Jonathan Eberhart, *Science News*, for a series of 25 articles on the U.S. Viking Mission to Mars, published June 1976 to November 1976.

Honorable mentions were awarded to:

- For newspapers with over 100,000 daily circulation—

Donald J. Bray, *Wall Street Journal*,

for a series of seven articles on toxic chemicals in the environment, published December 1975 to September 1976.

David F. Salisbury, *Christian Science Monitor*, for three entries: "Calculators—Power Tools for Thinking," February and March 1976; "Earthquake Warning: How Soon? How Effective?," 25 August 1976; and "Most Complex 'Camera' Photographs Mars," 22 September 1976.

- For newspapers with under 100,000 circulation—David C. Elliott, *The Morning Herald* (Hagerstown, Maryland), for a series of articles on the geologic history of Washington County, Maryland, published 7-9 June 1976.

- For general circulation magazines—Henry S. F. Cooper, Jr., *The New Yorker Magazine*, for a two-part article, "A Reporter at Large: Life in a Space Station," published 30 August 1976 and 6 September 1976.

Native Americans Project to Compile Resource Bank

The establishment of a human resource bank is the latest activity of the AAAS Project on Native Americans in Science. The project's staff is seeking to identify both Indians and non-Indians who have taught science and/or math to Indian students, and who would be willing to share their experiences and ideas. Also needed for the resource bank are names of Indian people with degrees (B.S. or B.A. and above) in scientific and mathematical fields. Please contact Rayna D. Green, Director, Project on Native Americans in Science, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036 (telephone: 202/467-5433).

Looking Ahead

With the 1977 AAAS Annual Meeting behind us, all AAAS members are encouraged to begin thinking about what should be discussed at the 1978 Meeting, which will be held 12-17 February in Washington, D.C. Suggestions of suitable topics for symposia should be sent

to the secretary or chairperson of your Section (their names are listed on the contents page of this issue). Members

who do not know how to get in touch with the appropriate Section representative should send their suggestions in care

of the AAAS Meetings Office, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036. Correspondence should be

Nominations Invited for 1977 AAAS Awards and Fellows

AAAS-Rosenstiel Award in Oceanographic Science. Nominations are invited for the 1977 AAAS-Rosenstiel Award. Consisting of \$5000 and a certificate, this annual award is funded by the Rosenstiel Foundation through the Rosenstiel School of Marine and Atmospheric Sciences of the University of Miami. Its purpose is to honor outstanding achievement and distinction in oceanographic science, including relevant aspects of ocean engineering where significant new principles are concerned, and aspects of atmospheric science with important implications for understanding of oceanic processes.

Because of the multidisciplinary nature of oceanographic science, the award recognizes achievement in three broad areas on a rotating basis. In 1977, the award will emphasize physics and chemistry of the water column and the atmosphere; in 1978, geology, physics, and chemistry of the seabed; and in 1979, biology and living resources.

The 1977 award for achievement in the field of physics and chemistry of the water column and the atmosphere will be presented at the AAAS Annual Meeting in Washington, D.C., 12-17 February 1978. The recipient also will be invited to spend a week at the Rosenstiel School for lectures and discussions with faculty and students.

Nominations should include one or two pages of justification together with identification of relevant publications and should be sent to the chairman of the selection panel, Harris B. Stewart, Atlantic Oceanographic and Meteorological Laboratories, NOAA, 15 Rickenbacker Causeway, Miami, Florida 33149, for receipt not later than 15 July 1977.

AAAS Socio-Psychological Prize. Entries in the 1977 AAAS Socio-Psychological Prize competition are now invited. Established in 1952 with funds donated by Arthur F. Bentley, the \$1000 prize is awarded for a meritorious paper that furthers the understanding of human psychological-social-cultural behavior. It is intended to encourage in social inquiry the development and application of the kind of dependable methodology that has proved so fruitful in the natural sciences.

Submitted papers should present a completed analysis of a problem, the relevant data, and interpretation of the data in terms of the postulates with which the study began. Purely empirical studies and theoretical formulations, no matter how important or thoughtful, are not eligible.

The winning entry will be selected by a committee of judges appointed by a management committee consisting of officers of the AAAS Sections on Anthropology (H), Psychology (J), and Social and Economic Sciences (K), and the AAAS executive officer. The prize will be presented at the AAAS Annual Meeting in Washington, D.C., in February 1978.

Unpublished manuscripts and manuscripts published after 1 January 1976 are eligible. The number of pages (including tables, references, notes, and appendices) may

not exceed 120. Identification of author(s) must be removed. Entries and brief abstracts must be submitted in quintuplicate to the Executive Office, AAAS, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036, for receipt not later than 1 September 1977. For complete instructions, write to that office.

AAAS-Newcomb Cleveland Prize. The AAAS-Newcomb Cleveland Prize, which previously honored research papers presented at the AAAS Annual Meetings, will henceforth be awarded annually to the author of an outstanding paper published from October through September in the Reports section of *Science*. The first competition year under the new rules starts with the 3 September 1976 issue and ends with that of 26 August 1977. The value of the prize has been raised from \$2000 to \$5000; the winner also receives a bronze medal.

To be eligible, a paper must be a first-time presentation (other than to a departmental seminar or colloquium) of previously unpublished results of the author's own research. Reference to pertinent earlier work by the author may be included to give perspective.

Nominations should be submitted to AAAS-Newcomb Cleveland Prize, AAAS, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Nomination forms will be supplied upon request.

The award will be presented at a session of the Annual Meeting at which the winner will be invited to present a scientific paper reviewing the field related to the prize-winning research. The review paper will subsequently be published in *Science*. In cases of multiple authorship, the prize will be divided equally between or among the authors; the senior author will be invited to speak at the Annual Meeting.

AAAS Fellows. A Fellow of the American Association for the Advancement of Science is defined as one "who has produced a body of work on behalf of the advancement of science that is scientifically distinguished or socially highly significant, or both." Fellows are elected annually by the AAAS Council upon recommendation by the Council Committee on Fellows, which now solicits nominations for consideration at its fall 1977 meeting. Nomination forms may be obtained from the Executive Office, AAAS, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036.

Completed forms should be sent not later than 1 May to the secretary of the nominee's voting Section for possible inclusion in the slate of nominees to be submitted by the Section committee to the Council Committee on Fellows. Alternatively, nomination may be made by any three AAAS Fellows and the form sent directly to the Executive Office for receipt not later than 1 September. The Committee will give equal consideration to nominations from the Section committees and from groups of three Fellows.

Names and addresses of the Section secretaries will be supplied by the Executive Office upon request.

received by the Meetings Office before 23 March 1977.

Later in the spring, the Meetings Office will publish information in *Science* as to presentation of contributed papers (for example, papers that are not part of a symposium) at the 1978 Annual Meeting.

Regional Seminar on Ethical Dimensions of Scientific Research Set

Anticipated benefits, potential risks, ethical considerations, and problems of regulation of recombinant DNA research will be topics discussed at a regional seminar at the University of Georgia, Center for Continuing Education, in Athens on 15 and 16 April.

The seminar, entitled, "Ethical and Methodological Dimensions of Scientific Research: Recombinant DNA, A Case Study," will be co-sponsored by AAAS, the department of philosophy of the University of Georgia, and the Atlanta Area-AAAS. The program is supported in part by a grant from the Georgia Committee on the Humanities and in part by the AAAS regional seminars program funded by the National Science Foundation.

For registration information, contact John Richards, Department of Philosophy, University of Georgia, Athens, Georgia 30601 (telephone: 404/542-2823).

Resource Survey for Handicapped Students to Be Undertaken by AAAS

A comprehensive survey of resources in the teaching of science to physically handicapped elementary and secondary level students is being undertaken by the AAAS Project on the Handicapped in Science.

The survey effort, supported by the Grant Foundation of New York, will result in two publications, *An Inventory of Experiences: Approaches That Work* and *A Directory of Human Resources*. The *Inventory* will describe projects, publications, and methods, lessons, or materials which teachers have used, developed, or adapted for teaching science to handicapped students. The items described will cover special projects in mainstream

settings, resource centers, laboratories, self-contained classes, and residential or day schools according to educational level, discipline, and handicapping condition. *The Directory of Human Resources* will provide a list of personnel, teachers, supervisors, and others who have experience working with handicapped children and who are willing to share their experience with others.

According to Martha Ross Redden, director of the AAAS Project on the Handicapped in Science, the survey of resources represents an effort to eliminate educational and occupational barriers to the physically handicapped through provision of quality science education for the handicapped child of average or above average ability.

Teachers who have had successful experiences in this area or those who can identify such teachers are asked to write to the director, AAAS Project on the Handicapped in Science, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036. The Office will contact all respondents to obtain information for publication in one of the two resource books.

Law-Science Group Appoints New Members

David A. Hamburg, president of the Institute of Medicine, National Academy of Sciences, and Chief Judge Howard T. Markey, U.S. Court of Customs and Patent Appeals, have been appointed to the AAAS-American Bar Association (ABA) National Conference of Lawyers and Scientists.

Hamburg was appointed by the AAAS Board of Directors and Markey by the ABA president.

The National Conference of Lawyers and Scientists was organized jointly by the ABA and AAAS in 1974 with a principal objective of facilitating more effective communication and cooperation among lawyers and scientists. The Conference has been active in promoting this goal through such efforts as a major workshop/conference on weather modification, held at Duke University last March (see "AAAS News," *Science*, 6 August 1976, page 473), and a symposium, entitled "Technical and Legal Aspects of Weather Modification," held at the recent AAAS Annual Meeting in Denver.

The AAAS-ABA group is seeking to implement a program of activities in-

volving (i) publication of appropriate scholarly articles in *Science* and in the *ABA Journal*; (ii) convening regional seminars on important legal-scientific topics; and (iii) examining how scientific and technological information is employed in existing public decision-making processes and what improvements might be made in such processes.

Additional changes in the Conference membership (see "AAAS News," *Science*, 6 August 1976, page 474, for a full listing of the membership) are as follows: Ronald A. May of Wright, Lindsey & Jennings, Little Rock, Arkansas, joined the Conference as an ABA representative in mid-1976, when the term of Lee Loevinger of Hogan & Hartson, Washington, D.C., expired. Other members whose terms have expired are Robert Berliner of the Yale University School of Medicine and Preble Stolz of the California Office of Planning and Research, Sacramento.

New Publications

Audiotapes of some 63 sessions of the 1977 AAAS Annual Meeting in Denver are now available. The tapes cover such topics as health care, child development, science education, population, food, energy, ethics, science policy, and women and minorities. The cost of the tapes is \$9.00 per cassette. A listing of the recorded sessions and ordering instructions (for both the 1976 and 1977 Annual Meeting audiotapes) is available from CEBAR Productions, 2550 Green Bay Road, Evanston, Illinois 60201.

A special issue of *Science* exploring the entire spectrum of electronics developments is scheduled for 18 March 1977. Some 35 of the country's foremost authorities will discuss technological advances in the field of electronics and their expected impact on life-styles in the decade to come. Additional copies of the issue may be ordered at \$3 each from AAAS, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005.

For the Library

Energy, Water, and the West—proceedings of a conference held in November 1975 under the co-sponsorship of the National Conference of State Legislators and AAAS. Available at no cost from the Division of Public Sector Programs, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036.