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Nineteen Media Fellows in 1979 Program

Nineteen students in the natural, social, and health sciences are participating in the fifth Mass Media Science Fellows Program, administered by the AAAS with support from the National Science Foundation. Additional funds for this year's fellows have come from AAAS, the Hearst Foundation, Inc., the Occidental Research Corporation, and the Exxon Research and Engineering Company, Inc. The summer fellows were chosen from among nearly 500 applicants.

The fellows, who will spend 10 weeks working for newspapers, magazines, and radio and television stations across the country, gathered for a $2^{1/2}$ -day orientation session at AAAS headquarters in Washington, D.C., 6-8 June, during which they participated in workshops on newswriting; toured radio, television, and print media facilities; and heard talks by print and broadcast reporters.

The 1979 mass media fellows, their latest academic affiliations, and their fellowship sites are: Daniel B. Adams, Department of Paleontology, University of

California (Berkeley), San Francisco Chronicle; James Allaway, Department of Natural Resources, Cornell University, Oregonian (Portland); Michelle Behr, Department of Anthropology, Arizona State University, WOSU Radio, Columbus, Ohio; John A. Carey, School of Forestry and Environmental Studies, Yale University, Newsweek; Ron Dagani, Department of Organic Chemistry, Massachusetts Institute of Technology, Raleigh (North Carolina) News and Observer; Richard D'Alli, Department of Geology, Arizona State University, KYW-TV, Philadelphia; Gary B. Ellis, Department of Biological Sciences, Northwestern University, Charlotte (North Carolina) Observer; William H. George, Psychology Department, University of Washington, KTVX-TV, Salt Lake City, Utah; David N. Gottsegen, School of Medicine, State University of New York (Buffalo), Milwaukee Journal: Michael A. Guillen, Department of Physics, Cornell University, WPIX-TV, San Francisco; William J. Hagan, Jr., Department of Chemistry, Columbia University, Richmond (Virginia) Times-Dispatch; Anne Marie Hornickel, Department of Botany, University of California (Davis), WEBR-Newsradio, Buffalo, New York; Lee Katterman, Department of Medicinal Chemistry, University of Michigan, WGBH Radio, Boston; Robert L. Kort, Department of Agricultural Engineering, University of Maryland, WOUB Radio/TV, Athens, Ohio; Roberto Martin, Bioengineering Department, University of Pennsylvania, WFAA-TV, Dallas, Texas; John L. Tingle, Department of Forestry, Mississippi State University, Macon (Georgia) Telegraph and News; Catherine Nicholson-Guthrie, Department of Genetics, Indiana University, WDVM-TV, Washington, D.C.; Ilona H. Walfish, Chemistry Department, State University of New York (Binghamton), WNET-TV, New York; and Terra Ziporyn, Yale University, Business Week.

Chautauqua-Type Short Courses for Nonacademic Scientists and Engineers

Twelve short courses in the 1979-80 series of NSF Chautauqua-Type Short Courses will be open to a mixed audience of college teachers and nonacademic professionals in science and engineering. Topics include solar energy engineering, ethical issues in engineering, patterns of problem-solving, chemical communication among animals, and holistic approaches to health maintenance.

These courses are an extension of the series of Chautauqua-type short courses for college teachers held at regional field centers throughout the United States. The program, developed by the AAAS in 1971, is funded by the National Science Foundation (NSF).

They are designed to enable scholars to communicate recent advances in their fields to college science teachers and science and engineering professionals from industry or other nonacademic settings. The scholars will meet with 25 participants for a total of 4 days—2 days in the fall and 2 days follow-up in the spring. Courses will be held at the University of



Mass Media Science Fellows for 1979. Pictured left to right, first row: Ilona Walfish, Anne Marie Hornickel, David Gottsegen, Terra Ziporyn, and Michelle Behr; second row: James Allaway, Lee Katterman, John Carey, William Hagan, and Gary Ellis; third row: Catherine Nicholson-Guthrie, Michael Guillen, Roberto Martin, Dan Adams; fourth row: Ron Dagani, Robert Kort, John Tingle, and William George. Not pictured, Richard D'Alli.

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Hartford and the Oregon Graduate Center.

A brochure with full descriptions, schedules, and an application form is available from the Office of Science Education, at the AAAS address.

<u>Arkansas</u> Energy Seminar Planned

"Rural America: Energy Needs and Alternatives" will be the topic for the third in the current AAAS Regional Energy Seminar Series. The seminar will be held 16-18 September at DeGray State Park Lodge near Arkadelphia, Arkansas.

Senator Dale Bumpers (D-Ark.) will open the meeting, which will focus on energy problems peculiar to rural America and on measures that may be taken to maintain the vitality and quality of life in rural America. Emphasis will be directed toward the rural energy problems of Arkansas and neighboring states of Alabama, Kentucky, Louisiana, Mississippi, Missouri, Oklahoma, Southern Illinois, Tennessee, and Texas.

Rural energy use and consumption patterns will be examined from economic, demographic, and transportation perspectives. Sessions on rural energy use and conservation will address the present and future availability of conventional fuels and the effects of increased conservation and supply extending practices such as on-premises utilization of wood and waste products. Alternative energy resources will be explored, including dilute energy sources (solar, wind, and water), biomass conversion, and possible lignite utilization. Finally, the impacts of shifting energy patterns, increased energy costs, and energy and materials shortages on the prices of agricultural commodities will provide an opportunity for a discussion of how rural America can cope with the economic stress resulting from the changing energy environment.

Cosponsors for the seminar along with AAAS are Sigma Xi, the Scientific Research Society; the Joint Educational Consortium of Henderson State University and Ouachita Baptist University; the Arkansas Academy of Sciences; the State of Louisiana Department of Natural Resources; the State of Texas, Office of Energy Resources; the State of Oklahoma Department of Energy; and the State of Arkansas. Funding for the AAAS Regional Energy Seminar Series comes from the U.S. Department of Energy.

For further information, contact Patri-3 AUGUST 1979

Mellon Foundation Grants Award to AAAS

The Andrew W. Mellon Foundation of New York City has generously granted \$250,000 to the AAAS toward the costs of expanding its public information program. The AAAS Board plans to apply the grant to second-stage start-up costs of SCIENCE 80, the new AAAS magazine of science and technology for a general public readership. Edward E. David, Jr., AAAS Board Chairman, said, "The Mellon Foundations's support of our public information program is welcome not only for financial reasons but as confirmation of the priority we now place on communicating science effectively to the public which supports it year in and year out."

cia S. Curlin, regional energy seminar coordinator, at the AAAS address, telephone 202/467-4310.

AAAS Climate Project Under Way

A new Committee on Climate has been appointed by the AAAS Board of Directors to provide expertise and direction to the Association's long-range commitment to the global issue of climate and its impacts. Roger Revelle, a past president of AAAS, has agreed to serve as chairman.

The AAAS Committee on Future Directions had recommended that the Association contribute to a long-term scientific issue which was both highly interdisciplinary and global in its implications. Climate was selected as a very suitable subject. A working group considered this proposal and agreed that the extraordinarily wide range of scientific and professional interests represented within the membership of the Association and its affiliates would be a resource that could be used to good effect as we continue to improve our understanding of the ways in which climate, and particularly the possibility of climate change, affect the environment and human activities. The new committee was formed as a result of these deliberations.

The first major AAAS activity in this area was a workshop on "Environmental

and Societal Consequences of a Possible CO_2 -Induced Climate Change." It was held 2-6 April 1979 in Annapolis, Maryland. Funding was provided by the Carbon Dioxide and Climate Research Program of the U.S. Department of Energy.

The workshop, chaired by Roger Revelle, brought together 87 participants from a wide variety of disciplines in the physical, biological, and social sciences. The meeting was a first effort to identify the benefits and costs of increased atmospheric carbon dioxide and a climate change which such an increase might bring about. An attempt was made to conceptualize the significant questions, identify gaps in the understanding of impacts, and recommend research which might fill those gaps.

Panel discussions considered possible climate change scenarios and resultant effects on ocean dynamics and ocean biota, especially fisheries, and the cryosphere; on the unmanaged biosphere; on the range of plant and crop responses and agricultural production; on societal and institutional responses; and economic benefits, costs, and geopolitical implications.

The report of the Annapolis workshop is available on request from David M. Burns, director, Climate Project, at the AAAS address.

1979 SWARM Meeting

The following is from the report of Joseph A. Schufle (New Mexico Highlands University), secretary, SWARM Division, AAAS.

The 55th annual meeting of the Southwestern and Rocky Mountain (SWARM) Division of AAAS was held 25-28 April at Fort Lewis College in Durango, Colorado.

Lora M. Shields, who retired as SWARM's executive officer at the meeting, was given the Division's Certificate of Merit of the Committee on Desert and Arid Zones Research. Shields, visiting professor, Navajo Community College, has made studies on the return of vegetation onto the Yucca Flats atomic test site in Nevada and comparative studies at the Carrizozo Lava Flow. She is succeeded as executive officer by Michelle Balcomb of Colorado Mountain College.

James O'Leary, University of Arizona, ended his term as president. He is succeeded by Henry Shine, Texas Tech University; Samuel Shushan, University of Colorado, is president-elect. The Du-