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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.

Arkansas 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-

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 Foundation'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 CO₂-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. Schufte (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-