

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 non-acceptance 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 (ISCA) 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

and engineering societies around the world. Professional societies in engineering and in the physical, biomedical, and social sciences and from industrialized and developing countries were represented in approximately equal numbers. The largest national delegations were from India, the United States, the Soviet Union, and the People's Republic of China. Twelve of the 22 U.S. delegates were from member societies of the AAAS Consortium of Affiliates for International Programs.

The seminar was cochaired by Kenneth E. Boulding, outgoing chairman of the Board of Directors, AAAS, and A. K. Sharma, president, ISCA. Three plenary speakers related the seminar objectives to the major disciplinary fields represented. Y. Nayudamma, chairman of the Committee of Science and Technology in Developing Countries (COSTED) of the International Council of Scientific Unions (ICSU), spoke for the physical and biomedical sciences; Boulding for the social sciences; J. Debelius, representing the Deutscher Verband Technisch-Wissenschaftlicher Vereine (DVT), spoke on behalf of the World Federation of Engineering Organizations and the engineering societies.

Participants spent most of their time in working groups where they identified the unique characteristics of the scientific and engineering societies in diverse economic and political structures and considered how the societies could help solve problems of development. Each working group presented its own report, including conclusions and recommenda-

tions. These were consolidated into a final report endorsed unanimously by the seminar in a final plenary session on 5 December in the India International Centre. The cochairman lauded "the spirit of New Delhi" as heralding a new era of participation in development initiatives by the national disciplinary scientific and engineering societies, with cooperation between East and West as well as North and South.

The report pointed out that it is in the interest of all scientists and engineers to encourage development, and emphasized the following six points:

1. Scientific and engineering societies should play a more active role in development and should be strengthened for that purpose when and where necessary.
2. Planning and evaluation for development purpose should be increasingly addressed by scientific and engineering societies as part of their activities.
3. Societies should expand and emphasize their contribution to the education and training of scientists, engineers, and technicians for solving development problems.
4. The ability of scientific and engineering societies to collect, evaluate, and communicate information should be more strongly focused toward development.
5. The United Nations, national governments, private foundations, and societies should together develop plans and funding mechanisms for bringing scientific and engineering

societies into development projects where practicable.

6. The momentum created by the seminar should be maintained and a continuing committee chosen from the participants to coordinate follow-on actions.

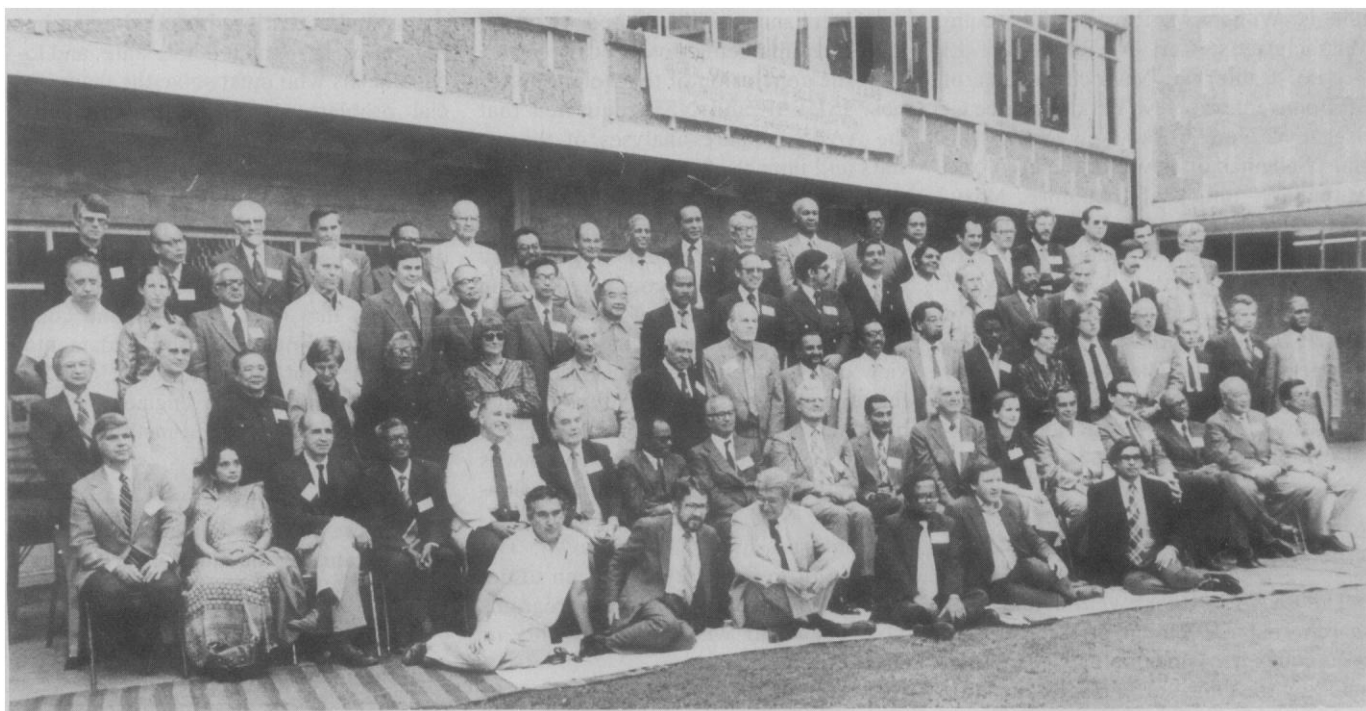
The complete text of the report with the conclusions and recommendations will be published in a *Seminar Report. Proceedings* of the seminar, which will include the texts of the addresses and papers contributed by each participant, will also be printed and should be available later this year. Requests for copies should be addressed to the Office of International Science, at the AAAS address.

DENISE WEINER
Office of International Science

50-Year Members Acknowledged

Each year the AAAS expresses its appreciation to those persons who have remained members of the Association for 50 years. Upon reaching this anniversary, members receive a certificate of recognition and are exempt from further payment of dues.

AAAS members reaching the 50 year mark in 1981 are: Santiago E. Auerrevere of Chacao, Venezuela; Cazlyn G. Bookhout of Beaufort, North Carolina; Edward L. Bowles of Boston, Massachusetts; Helen B. Bromley of Stamford, Connecticut; Maurice Brooks of Mor-



Representatives from around the world met in New Delhi to discuss the role of science/engineering societies in development.