

setts Avenue, NW, Washington, D.C. 20036. The AAAS Project on Native Americans in Science is one national attempt to affect a change in the pattern. It will continue to work with existing programs and to stimulate discussion and assessment of Indian science education and manpower development needs in the Native and non-Native worlds.

RAYNA GREEN
SHIRLEY MAHALEY MALCOM
Office of Opportunities in Science

Courses on Ethics and Values in Science to be Surveyed

A survey of college level programs and courses (both academic and non-academic) in the field of ethics and val-

ues implications of science and technology (EVIST) has been initiated by the AAAS Office of Science Education. The study, which is supported by a grant from the National Science Foundation, is a follow-up to a similar study that was conducted a year ago by the staff of the Cornell University Program on Science, Technology, and Society.

The goal of the AAAS project is not only to provide access to information about the increasing numbers of educational and research projects in the EVIST area, but also to facilitate communication between educational institutions that wish to develop new programs and persons involved in current programs. The survey will result in a directory of courses and programs in the EVIST area, to be published in the fall of 1977.

This month, the Office of Science Education will send a questionnaire to approximately 16,000 college and university departments to collect information

about current courses and programs concerned with EVIST. Questionnaires also will be sent to other organizations that conduct adult education programs. Copies of the 1975 listing prepared by the Cornell University group will be sent along with the questionnaire.

ARTHUR H. LIVERMORE
Office of Science Education

New Publications

An Inventory of Programs in Science for Minority Students, 1960-1975, compiled by Shirley Mahaley Malcom, John Cownie, and Janet Welsh Brown under a grant from the National Science Foundation, is a new publication from the AAAS Office of Opportunities in Science. The volume represents a compilation of projects which have been undertaken to improve the quality of science training for Black, Mexican-American, Native American, and Puerto Rican students, members of those racial/ethnic minority groups which are under-represented in science, engineering, and the health professions. A limited number of single copies is available from the AAAS Office of Opportunities in Science, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036.

Barrier-Free Meetings: A Guide for Professional Associations, developed as a result of efforts by the AAAS Project on the Handicapped in Science to enable disabled members to attend the Annual Meeting of the Association in Boston, February 1976, is now available. Copies can be obtained from AAAS, Dept. O, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005, at \$4 each (\$3.75 for AAAS members).

AAAS Section News

Section B-Physics

Because little specialized work in physics is presented today through the AAAS, the role of Section B (Physics) has become that of bringing into the Annual Meeting talks and symposia on physics for a general audience and other sessions in which physicists can bring their unique viewpoints to bear on more general problems of science and technology. Thus the sessions arranged by Section B at Denver will cover such topics as high energy physics, the frontiers of the natural sciences, the physics of everyday experience, the fusion program, and nuclear power and nuclear weapons.

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Amendment to AAAS Constitution

In February 1976, the AAAS Council instructed the Committee on Council Affairs to establish (jointly with the Board) a Committee on Scientific Freedom and Responsibility, to formulate the Committee's charge, and to draft an amendment to Constitution Article II incorporating concern for scientific freedom and responsibility among the Association's objectives (see *Science*, 3 September 1976, pages 877 and 921).

The Committee on Council Affairs proposes amending Article II by adding the words in italics:

The objectives of the American Association for the Advancement of Science are to further the work of scientists, to facilitate cooperation among them, *to foster scientific freedom and responsibility*, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.

In addition, the Board of Directors proposes that terms of members of the Board and Council expire on the last day of the Annual Meeting instead of on 31 December and that this information be given in the bylaws instead of in the Constitution. The specific constitutional amendments required are deletion of the material given below in parentheses.

Article VI, Section 1. "... The term of the President-Elect shall be three years (, beginning on the January 1 following election). ... The terms of the Directors shall be four years (, beginning on the January 1 following their election)."

Article VII, Section 2. "The Council shall consist of . . . Delegates shall serve terms of three years (, beginning on the January 1 following their election). . . ."

This notice is published in accordance with Constitution Article IX, which calls for publication of proposed amendments at least 30 days in advance of the Council meeting at which they are to be presented. If a majority of Council members so votes at the meeting on 23 February 1977, the above amendment will be submitted to the AAAS membership for ratification by mail at the time of the 1977 election. In each case, a favorable vote by a majority of the membership, or by two-thirds of the members who return ballots, is required for adoption.

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In addition, there will be an open business meeting of Section B in Denver at 7:00 p.m. on Wednesday, 23 February 1977, to consider, among other things, the role of the Section and its input to future Annual Meetings. Items for discussion should be sent to the Section B Secretary, Rolf M. Sinclair, National Science Foundation, Washington, D.C. 20550.

Section T—Information, Computing, and Communication

Highlighting Section T (Information, Computing, and Communication) activities at the AAAS Annual Meeting in Denver will be five symposia: "Emerging National and International Policy on Information," 9:00 a.m.–12:00 noon and 3:00–6:00 p.m. on Tuesday, 22 February, Silver Plume Room, Holiday Inn, Downtown; "Beyond Gutenberg: Communication Without Paper," 9:00 a.m.–12:00 noon, Wednesday, 23 February, Cripple Creek Room, Holiday Inn; "Toward a Human Use of Human Beings: A Cybernetic Approach to the Assessment of Children," 3:00–6:00 p.m., Wednesday, 23 February, Silver Heels Room, Holiday Inn; "Science Information: International Communication for Research in Biomedicine," 3:00–6:00 p.m., Wednesday, 23 February, Beverly Room, Denver Hilton; and "The Many Faces of Information Science," 9:00 a.m.–12:00 noon, Friday, 25 February, Denver Room, Denver Hilton. The annual Section T business meeting will be held at 7:00 p.m. on Wednesday, 23 February, Cedar Room, Denver Hilton.

Section W—Atmospheric and Hydro-spheric Sciences

Recent weather modification legislation presents a possible area of activity for Section W (Atmospheric and Hydro-spheric Sciences) members. Public Law 94–490, which was enacted on 13 October 1976, directs the Secretary of Commerce to "conduct a comprehensive investigation and study of the state of scientific knowledge concerning weather modification, the present state of development of weather modification technology, the problems impeding effective implementation of weather modification technology, and other related matters." The Secretary must prepare and submit to the President and the Congress by 13 October 1977 a final report giving recommendations on national and international policies and a federal R & D program in weather modification.

The passage of PL 94–490 marks a milestone in congressional interest in weather modification. Soon after this subject became a respectable scientific pursuit 30 years ago, members of Congress began taking a strong interest in the topic. Most years several bills were introduced on the Hill calling for expanded research programs, federal regulation, international agreements, federal operations, or even a complete ban on weather modification activities. Few of these bills even came to a vote, much less passed, until the National Weather Modification Policy Act of 1976 was introduced in May 1976 by Sen. James B. Pearson (R-Kan.). This bill was quickly approved by the Senate and commended to the House. Following revision by the Subcommittee on the Environment and the Atmosphere of the House Committee on Science and Technology, the bill passed the House 292 to 91. The Senate concurred unanimously with the House amendments in the closing week of the 94th Congress.

The study provided for in the legislation includes 11 specific areas in weather modification ranging from an analysis of present and past research efforts and future research requirements, through an assessment of economic, legal, social, ecological and legislative implications, to questions of the necessity for international agreements.

The Act authorizes up to \$1 million to carry out its provisions. However, no funds were appropriated by the 94th Congress, and an appropriation is being sought. The Secretary of Commerce has indicated that he is exploring the mechanism to be used to generate the study and the report.

Any Section W member who wishes to comment on the possibility and means of Section involvement in this effort is encouraged to contact the Section W Secretary, Stanley A. Changnon, Jr., at the Illinois State Water Survey, Box 232, Urbana, Illinois 61801.

Division Notes

"Environmental Psychology: Arid, Forest and Urban Regions" will be discussed in one of the contributed paper sessions at the AAAS Annual Meeting in Denver. Sponsored by the Southwestern and Rocky Mountain Division's Psychology Section, the session will be held Monday, 21 February, 9 a.m.–12 noon, Tower Room, Executive Tower Inn. Topics in the ten-paper session will include "Habitability of Arid Lands Communities" and "Perception of Environmental Change."

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Only those employers and individuals who do not discriminate on the basis of race, sex, religion, age, color, or national origin should submit Personnel Placement advertising.

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Anatomist/Biologist, Ph.D. General biology, human anatomy and physiology, histology, embryology. Four years of teaching experience including undergraduate and professional school. Seeks teaching position. Box 1, SCIENCE. X

Biochemistry, Ph.D. 1972. Biochemistry/pharmacology of cyclic nucleotides, enzymology, protein purification, endocrinology, receptors. Numerous publications. Three years of teaching. Seeks industrial/research/teaching position. Box 2, SCIENCE. X

Biochemist/Immunochemist/Chemist, Ph.D. 1973. Protein fractionation, cell membrane protein, membrane IgG receptor, enzymology, peptides synthesis, and some amino acid sequence determination of protein. Seeks industrial or academic research position. Box 3, SCIENCE. X

Biochemist—Neurochemist, Ph.D. 1966. Experience in enzymology, nucleic acid and amino acid metabolism; metabolic disorders and mental retardation. Over 50 publications; presently editing three books on brain biochemistry. Seeks research/teaching position. Box 4, SCIENCE. X

Biomathematician, Ph.D. Experience: teaching, research, consulting. Current research: population genetics, analysis of protein diversity, biomathematical modeling. Publications. Seeks teaching/research position. Box 5, SCIENCE. X

Biotechnician: A.A.S. biotechnology, 1976. Seeks lab or field position as biological or chemical technician. Box 6, SCIENCE. X

Cell/Developmental Biologist, Ph.D. Teaching experience and extensive research background. Thoroughly familiar with tissue culture techniques, subcellular fractionation, protein and nucleic acid purification. Interests include mRNA chemistry. Seeking research or research/teaching position in Northeast. Box 7, SCIENCE. X

Electron Microscopist, Ph.D. in biochemistry, 1969. Experience with all aspects of electron microscopy. Broad research and teaching experience at major university. Twenty-four publications. Seeks research and/or teaching position in research institute/industry/government/academia. Box 8, SCIENCE. X