

ronmental Science and Engineering Fellows produced a written assessment and gave a seminar on an area of particular importance to the Agency. The Fellow's areas of research included hazardous waste disposal, control of viruses in drinking water, anaerobic sludge disposal, and indirect health effects of acid deposition.

The 1984 Fellows and their affiliations are: Karen Ekelman, University of Maryland; Eden Fisher, Carnegie-Mellon University; Charles Gerba, University of Arizona; Charles Haas, Illinois of Technology; Michael McDonald, University of Wisconsin; and Robert Stack, University of California, Davis.

The Environmental Science and Engineering Fellows Program began 4 years ago to assist the EPA's research and development planning and policy-making. A major emphasis of the program is to help identify and assess future environmental problems and opportunities. The fellows, postdoctoral to career scientists and engineering, also provide the Agency with a link to the academic community.

Further information about the program, and copies of the 1984 fellows' reports are available from Patricia S. Curlin, Environmental Science and Engineering Fellows Program, at the AAAS address.

Mass Media Science and Engineering Fellows were at such diverse locations at CBS' "Nightwatch" television program, *Business Week* magazine, the *Detroit Free Press*, and radio station KUNC-FM in Greeley, Colorado.

The Mass Media Science and Engineering Fellows Program, begun in 1974, aims to increase both the media's and the public's interest in and appreciation of science and engineering. The program is supported by grants from private corporations and foundations as well as AAAS funds.

## **SWARM Division Annual Meeting to Be in Tucson**

The 61st Annual Meeting of the Southwestern and Rocky Mountain (SWARM) Division, AAAS, will take place in Tucson, Arizona, 19 to 23 March 1985. The

Meeting will coincide with the Carl S. Marvel Symposium in Chemistry and the Centennial Celebration of the University of Arizona.

David A. Hamburg, AAAS president, will deliver the opening address, and Peter Raven, director of the Missouri Botanical Garden, will give the John Wesley Powell Memorial Lecture.

Among the symposia arranged for the meeting are those on Quaternary Extinctions, Macromolecules of Biological Interest, Interactions Among Plants and Animals in the Western Deserts, Biotechnology—Interaction of Disciplines, and Hazardous/Nuclear Waste Management.

For more information and/or a copy of the preliminary announcement and call for papers, please contact M. Michelle Balcomb, SWARM/AAAS, Colorado Mountain College, 3000 County Road 114, Glenwood Springs, Colorado 81601, or call 303-945-5516.

## **Science 84 Book Explains Science of Sports**

*Newton at the Bat* answers such questions as why curve balls curve, boomerangs return, and golf balls have dimples.

The book is drawn from *Science 84*'s sports column and explains the physics of flight as it affects different balls, wings, sails, and other moving objects: the technology of various tools used by athletes from a vaulter's pole to a runner's shoe; and the construction of the human body.

*Newton at the Bat* is published by Charles Scribner's Sons in cooperation with the AAAS. The book's editors are Eric Schrier, managing editor of *Science 84*, and William Allman, a staff writer at the magazine.

The 192-page hardcover book is available in bookstores for \$14.95 or directly from the *Science 84* Book Service for \$14.95 plus \$1.75 postage and handling. To order write to Book Service, *Science 84*, 1101 Vermont Avenue, NW, Washington, D.C. 20005. Please allow 4 to 6 weeks for delivery.

## **Arid Lands Conference Issues Call for Papers**

"Arid Lands: Today and Tomorrow," an international research and development conference, is announcing its call for papers. The conference, scheduled for 20 to 25 October 1985, will be held in Tucson, Arizona.

Papers on all topics relating to arid lands water use and conservation; agricultural systems and genetic resources; natural resource management; conservation and reclamation; and human adaptations, migrations, and habitations are welcomed. Papers should present new research data gathered by the authors themselves. Abstracts of 200 words or less must be received by 1 January 1985.

Co-sponsors of "Arid Lands: Today and Tomorrow" are AAAS, Unesco, U.S. Agency for International Development, U.S. Man and the Biosphere Program, and the University of Arizona.

For further information, and to submit abstracts, contact G. P. Nabham, Office of Arid Lands Studies, University of Arizona, Tucson, Arizona 85721.

## **List of Women's Science Groups Available**

With support from the National Science Foundation, the Office of Opportunities in Science has compiled and published a descriptive list of more than 75 associations, committees, and caucuses that work with women in science, engineering, mathematics, and medicine.

Information for each group includes address, phone, dues, number of members, publications, services, and current and future activities. Single copies are available free from Data Scott, Office of Opportunities in Science at the AAAS address.

**For more information about the activities and publications described in "AAAS News," write to the appropriate office, AAAS, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036, unless otherwise indicated.**