ported financially by the Association, the National Science Foundation, and private foundations and corporations. Private funds for this year's program have been provided to date by the Atlantic Richfield Foundation, Dow Chemical Company, Exxon Corporation, General Electric Foundation, and IBM Corporation.

The program was established in 1974 as a part of the Association's public understanding of science activities. Its purposes are to help the media by providing scientific and technical expertise to their organizations, and to allow students in the natural and social sciences and engineering to see—and experience—firsthand how science and technology get translated to the general public.

The Fellows, chosen through a highly competitive nationwide selection process, are spending 10 to 12 weeks writing news and feature articles, helping to produce radio and television programs, and conducting interviews. Several of the Fellows are working on science and technology issues as daily reporters at general circulation newspapers.

Joan Graf (Tufts University), Science Fellow at the *Washington* (D.C.) *Star*, describes her activities: "Currently, I'm working on two pieces, one on the resetting of atomic clocks on 30 June (they're adding a leap second) and an article on Dutch Elm disease—a perennial concern in a city that treasures its street trees. I've proposed a piece on sun-related disorders (including light-sensitive reactions to sunlight and common drugs and foods that act as photo-sensitizers as well as sunburn, skin cancer, and so forth). It was given an enthusiastic go-ahead by the metro-editor. . . ."

Others are serving fellowships at magazines such as *Business Week* and *Newsweek*, while still others are working at commercial and public radio and television stations. Richard Brandt (University of Delaware) at *Business Week* writes: "I got to develop my telephone interviewing techniques as one of the 'reporters' for a cover story on trends in research in the next decade; it meant filing memos with the editors on integrated optics, ceramics in automobile engines, carbon fiber airplanes, synchrotron radiation studies of catalysts, the ability to forge ceramics like steel, remote sensing in geology, splitting hydrogen from water, and developing synthetic ligaments and tendons."

Craig Decker (Massachusetts Institute of Technology) at WOSU Radio (Columbus, Ohio) writes: "One of my goals for the summer is to select and prepare my stories so as to illuminate some general themes about science-society interactions. In particular, I hope to do stories and features which illustrate how values and politics influence science and vice versa, and which clarify the nature and role of value conflicts in local and national planning and policy making in technological areas. My first opportunity to get into these issues will be a four-part series I'm doing on local energy planning in Columbus."

The Fellows will reconvene at an evaluation meeting in Washington, D.C., in September to trade tales of their summer fellowships and discuss the media experience that the program provides.

Applications for the 1982 program will be available in the fall from the Office of Public Sector Programs at the AAAS address.

GAIL J. BRESLOW
Office of Public Sector Programs

Fall Energy Seminars Planned

Regional Energy seminars have been scheduled in Colorado and Georgia this fall. "Oil Shale Development in the Western States: Risks and Opportunities" will be held in Boulder, Colorado, on 21 September. "Georgia's Energy Future: Issues and Alternatives for Policymakers" will be held in Atlanta on 1 and 2 October. These will be the third and fourth seminars in a series supported by the U.S. Department of Energy for 1981.

For further information contact Patricia S. Curlin, program administrator, Regional Energy Seminars, at the AAAS address, or call 202-467-4310.

Eugene, Oregon, Hosts Annual Pacific Division Meeting

The University of Oregon at Eugene hosted the annual meeting of the AAAS Pacific Division, held 14–19 June. Two 1-day short courses opened the sessions, one for high school teachers on Mount St. Helens and the other for college teachers on passive solar heating of buildings. The solar course proved especially popular with community college instructors. Next year the Division and the AAAS Office of Science Education will offer a larger slate of short courses, this time with the option of college credit.

Several symposia drew substantial numbers of participants to the Eugene gathering. One centering on the biological effects of the Mount St. Helens eruption departed from the recent emphasis on the volcano's geological features. David Wagner of the University of Oregon organized the symposium in which scientists from the Forest Service, universities, and the timber industry reported on the reappearance of flora and fauna after the explosion. A frequent remark was the relative rapidity with which certain species had reestablished themselves. The Mount St. Helens symposium also included aerial reconnaissance of the mountain.

A popular symposium on health issues in air-quality control drew upon experts throughout the United States from a wide variety of workplaces and scientific disciplines. Put together by Russell Sherwin of the University of Southern California Medical School and Bernard Hanes of California State University at Northridge, the symposium featured speakers from medical, chemical, industrial, legal, and environmental fields.

Among the "firsts" at the Pacific Division meeting was the group of contributed papers offered by Section J (Psychology), the newest Section to be activated in the Pacific Division. Many of the psychology papers reported research on women and minority groups. There also is interest in starting an industrial section, possibly with the Santa Barbara meeting in 1982. The Division also initiated a public lecture in conjunction with the Eugene meeting and expects to offer other public speakers in subsequent years.

The presidential address by Beatrice Sweeney of the Botany Department at the University of California, Santa Barbara, was part of the Division banquet, where awards for superior graduate student papers also were announced. About 700 persons attended the Eugene meeting, and more than 300 papers were presented.

Robert Bowman of San Francisco State University will be Division president next year when the Pacific Division

(Continued on page 686)

(Continued from page 638)

meets in Santa Barbara, California. For more information on Division publications and meetings, write Alan E. Leviton, executive director, Pacific Division, AAAS, c/o California Academy of Sciences, San Francisco, California 94118.

News from Interciencia

Symposia on topics relating science and technology to development issues continue to be organized by the Interciencia Association (IA), the inter-American federation of national scientific organizations which AAAS helped to found in 1975. These events, 14 of which have been sponsored since 1976, have taken place in all eight countries which comprise the Interciencia group (Brazil, Canada, Colombia, Costa Rica, Jamaica, Mexico, the United States, and Venezuela).

IA will join with the Venezuelan Association for the Advancement of Science, the Apsen Institute's Food and Climate Forum, and the Venezuelan Ministry of Agriculture in sponsoring "Agro-Climate Modelling and Information Systems" at Caracas on 20–26 September 1981. A symposium, "Biomass Substitutes for Liquid Fuels," is scheduled tentatively for Campinas, Brazil, 20–23 October 1981, with IA and the Brazilian Society for the Progress of Science as cosponsors.

Symposia were held at Kingston, Toronto, and Caracas in the late 1980 and early 1981. With the Jamaican Society of Scientists and Technologists as cosponsor, the Kingston meeting on 18–21 November 1980, dealt with "Materials for the Future: Renewable Organic Resources for Industrial Raw Materials." Thirty experts from 12 countries presented some 20 papers. The U.S. component was led by Irving Goldstein of North Carolina State University.

At the AAAS meeting in Toronto, IA and the Association of the Scientific, Technological, and Engineering Community of Canada (SCITEC) cosponsored panels on acid rain and the cancer cell surface. With the support of the Canadian International Development Agency, they also organized a seminar for Latin American science writers.

At Caracas, 8–12 March 1981, IA joined with the Venezuelan Association in presenting "The Scientific Community and Its Role in Decision-Making on Development Alternatives." Thirty-four participants from eight countries participated in the symposium, which was supported by Venezuela's National Council for Scientific and Technological Research. *Interciencia* editor Marcel Roche was a coarranger of the event, which included presentations by scholars as well as government officials including two cabinet ministers. Participants from AAAS included past president Emilio Q. Daddario and Michael Moravcsik of the University of Oregon.

With its May–June issue, the journal *Interciencia* observed its fifth anniversary of uninterrupted publication under the editorship of Marcel Roche. The bimonthly publication, "a journal of science and technology for development," contains articles in Spanish, English, and Portuguese, with abstracts in all three languages.

JAMES W. ROWE
Office of International Science

Reduced Chautauqua Program for 1981–82

In February a zero-budget program of Chautauqua Short Courses for College Teachers loomed on the horizon for the 1981–82 academic year. The AAAS Office of Science Education is now pleased to announce that a reduced program of 30 short courses will be offered for the 1981–82 academic year. The prospect for 1982–83, however, does not look good.

From late October 1981 through April 1982, 12 regional field centers each will host four to five short courses (on the average). The topics remain timely, including astronomy bizarre; qualitative physics; industrial organic and pharmaceutical chemistry; genetics and society; arms uncontrolled; cognition and teaching; problem solving; and microcomputers in the laboratory.

Two changes of note are that most courses will be offered in single sessions of 3 days and no support for participants' lodging will be available. The full schedule of courses will appear in the 4 September issue of *Science*.

A brochure with descriptions of the various courses, as well as schedules and application forms, will be available later this month from the AAAS Office of Science Education, Box 81–82, 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.

BOOKS RECEIVED

(Continued from page 643)

ence, New York 1981. xx, 806 pp., illus. $35. Wiley Series on Personality Processes.

Handbook of the Hypothalamus. Vol. 3, Behavioral Studies of the Hypothalamus. Part B. Peter J. Morgane and Jaak Panksepp, Eds. Dekker, New York, 1981. xiv, 464 pp., illus. $93.50.

Handbook on Reference Methods for Soil Testing. Council on Soil Testing and Plant Analysis, Athens, Ga., ed. 2, 1980. xxii, 130 pp. Paper, $7.50.

Handling Radioactivity. A Practical Approach for Scientists and Engineers. Donald C. Stewart. Wiley-Interscience, New York, 1980. xvi, 282 pp., illus. $35.

Interventional Diagnostic and Therapeutic Procedures. Barry T. Katzen. Springer-Verlag, New York, 1980. xviii, 156 pp., illus. $22.50. Comprehensive Manuals in Radiology.

Introduction to Applicable Mathematics. Part 1, Elementary Analysis. Fred A. Hinchey. Halsted (Wiley), New York, 1981. viii, 288 pp. $19.95.

An Introduction to Chemical Equilibrium and Kinetics. Louis Meites. Pergamon, New York, 1981. xiv, 550 pp., illus. Cloth, $75; paper, $19.95. Pergamon Series in Analytical Chemistry, vol. 1.

Introduction to Colloid and Surface Chemistry. Duncan J. Shaw. Butterworths, Boston, ed. 3, 1980. vii, 274 pp., illus. $14.95.

Muscular Dystrophy Research. Advances and New Trends. Proceedings of a symposium, Venice, Apr. 1980. C. Angelini, G. A. Danieli, and D. Fontanari, Eds. Excerpta Medica, Amsterdam, 1980 (U.S. distributor, Elsevier North-Holland, New York). xii, 332 pp., illus. $68.25.

The Natural Environment and the Biogeochemical Cycles. O. Hutzinger, Ed. Springer-Verlag, New York, 1980. xvi, 258 pp., illus. $57.90. The Handbook of Environmental Chemistry, vol. 1, part A.

Nippon. A Charted Survey of Japan 1980/81. Edited by the Tsuseta Yano Memorial Society under supervision of Ichiro Yano. Kokusei-sha, Tokyo, 1980. 350 pp., illus. Y 3700.

North Sea Oil. Resource Requirements for Development of the U.K. Sector. J. Kenneth Klitz. Pergamon, New York, 1980. xiv, 260 pp., illus. $36.

Origins and Evolution of Eukaryotic Intracellular Organelles. Papers from a conference, Jan. 1980. Jerome F. Frederick, Ed. New York Academy of Sciences, New York, 1981. x, 512 pp., illus. Cloth or paper, $99. *Annals of the New York Academy of Sciences*, vol. 361.

Other Worlds. A Portrait of Nature in Rebellion. Space, Superspace and the Quantum Universe. Paul Davies. Simon and Schuster, New York, 1981. 208 pp. $11.95.

Peace against War. The Ecology of International Violence. Francis A. Beer. Freeman, San Francisco, 1981. xxviii, 448 pp., illus. $19.95. A Series of Books in International Relations.

Robust Statistics. Peter J. Huber. Wiley, New York, 1981. xii, 308 pp. $28.95.

The Science of Entomology. William S. Romoser. Macmillan, New York, and Collier Macmillan, London, ed. 2, 1981. xiv, 576 pp., illus. $21.95.

Science, Students, and Schools. A Guide for the Middle and Secondary School Teacher. Ronald D. Simpson and Norman D. Anderson. Wiley, New York, 1981. xiv, 558 pp., illus. $18.95.

The Sciences of the Artificial. Herbert A. Simon. MIT Press, Cambridge, Mass., ed. 2, 1981. xiv, 248 pp., illus. Paper. $4.95.

Techniques and Applications of Path Integration. L. S. Schulman. Wiley-Interscience, New York, 1981. xviii, 360 pp. $31.95.

Techniques in Operational Research. Vol. 2, Models, Search and Randomization. Brian Conolly. Horwood, Chichester, England, and Halsted (Wiley), New York, 1981. 338 pp., illus. $77.95. Ellis Horwood Series in Mathematics and Its Applications.

Technology Transfer, Innovation, and International Competitiveness. Sherman Gee. Wiley-Interscience, New York, 1981. xii, 228 pp., illus. $23.50.

Tested Studies for Laboratory Teaching. Proceedings of a conference, Calgary, Canada, June 1979. Jon C. Glase, Ed. Kendall/Hunt, Dubuque, Iowa, 1980. xvi, 272 pp., illus. $19.95.

Thallium-201 and Technetium-99m-Pyrophosphate. Myocardial Imaging in the Coronary Care Unit. Frans J. Th. Wackers, Ed. Nijhoff, The Hague, 1981 (U.S. distributor, Kluwer Boston, Hingham, Mass.). xii, 256 pp., illus. $42. Developments in Cardiovascular Medicine, 9.

Theoretical Aspects and New Developments in Magneto-Optics. Proceedings of an institute, Antwerp, July 1979. Jozef T. Devreese, Ed. Plenum, New York, 1980. xii, 626 pp., illus. $69.50. NATO Advanced Study Institutes Series B, vol. 60.

Wilderness Rivers of America. Michael Jenkinson. Abrams, New York, 1981. 276 pp., illus. + index. $40. A Chanticleer Press Edition.