

## Science Cover Calendar for 1980

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neering Fellows Program. The dinner will be held in the Continental Ballrooms 1 and 2 of the San Francisco Hilton Hotel and preceded by a no-host reception beginning at 6:30 p.m. Tickets for the banquet will be available at the Meeting registration area in the East Lounge of the San Francisco Hilton Hotel through 2:00 p.m. Saturday, 5 January.

## Professionals and Undergraduate Education

"The Role of the Professions in Undergraduate Education," a conference cosponsored by AAAS and the University of California, Los Angeles, was held at UCLA on 26 and 27 October.

David Saxon, president, University of California, opened the conference with his address "Multiuniversity or University? The Undergraduate Connection." Four panels then addressed the topics, "The Integrative Function of Professions in Society," "Professions in Undergraduate Teaching: Alternative Approaches," "The Curriculum and Institutional Change," and "Undergraduate Education and Career Competencies."

Norman Cousins, senior lecturer in medical humanities, spoke on "Harvesting the University's Resources" on the evening of the 26th, and Kenneth Boulding, president of AAAS, concluded the conference with the question, "The Professions and Governments—Conspiracies Against the Public?"

Over 100 participants attended the conference, many of them representing affiliated societies. William J. Winslade, lecturer in law and psychiatry, UCLA, and Arthur H. Livermore, head, AAAS Office of Science Education, coordinated the conference.

The presentations and discussions at the conference indicated a number of very different assumptions, methods,

and goals for involving professionals in undergraduate education, as well as a need for more discussion to open up new areas for cooperation between professionals and undergraduate educators.

## Energy Requirements of Rural America Discussed at Seminar

The particular ways in which energy is used in rural America and some alternate energy sources geared to those uses provided the focus for the most recent AAAS Regional Energy Seminar.

"Rural America: Energy Needs and Alternatives" included sessions dealing with present and future availability of conventional fuels and with alternative energy sources, including solar, biomass, and geothermal. The changing prices of agricultural commodities caused by energy supply problems and the effects on rural life also were discussed.

Speakers and panelists included representatives from state and federal government, industry, research institutions, and academia.

Held at the DeGray State Park Lodge in Arkadelphia, Arkansas, 16-18 September, this was the third in the current series of AAAS Regional Energy Seminars funded by the U.S. Department of Energy.

Senator Dale Bumpers (D-Ark.), who opened the seminar, described the growing interest in alternative energy sources. He noted, for example, that the U.S. Treasury Department's Division of Alcohol and Firearms in recent years has been averaging between 50 and 75 applications per year for privately owned stills. This year, however, with the increased attention on "gasohol," the Division has more than 1000 applications pending.

Representative Beryl Anthony (D-Ark.) urged the Southern and Sun Belt states to work together to get Congress to pass legislation responsive to the particular energy needs of that region. Anthony told seminar participants to watch the performance of their elected officials and vote out those who aren't moving on energy policy.

Conservation and "low cost/no cost" ideas were stressed by Maxine Savitz, deputy assistant secretary for conservation and solar applications, U.S. Department of Energy. Some of these energy savers include having an attic inspection, getting fireplace dampers

sealed, keeping thermostats set at 78° in summer and 65° in winter, dialing down water heater temperature, and keeping cars properly tuned. Savitz said her office has received over 12,000 applications for small-scale energy technologies and can fund only a small percentage of these. Several states, including Arkansas, have initiated their own appropriate energy technology programs.

Philip H. Abelson, editor of *Science* and chairman, BioEnergy Council, stressed the importance of wood as the best long-term renewable energy source. He said that wood production could be increased up to 30 percent by improved growing and harvesting techniques. Abelson predicted that in the next few years the principal use for biomass products, especially wood, in rural areas will be for home heating.

Arkansas Governor Bill Clinton pointed to the lack of a coherent, intelligent energy program in the country and advised scientists to help keep policymakers informed so that governments can do a better job of goal setting.

Joining AAAS as cosponsors for the seminar were the Arkansas Academy of Science; the Joint Educational Consortium; Sigma Xi, The Scientific Research Society; the Ozarks Regional Commission; the State of Arkansas; the State of Louisiana, Department of Natural Resources; the State of Oklahoma, Department of Energy; and the State of Texas, Office of Energy Resources.

## Mass Media Science Fellows

Eleven of the nineteen 1979 Mass Media Science Fellows (See AAAS News, *Science*, 3 Aug. 1979, p. 480) reported that their summer Fellowships at media sites across the country had influenced them to modify their career goals. Previously, most of these advanced science students had envisioned careers in research or academia. Now, four have decided to pursue full-time careers in science journalism; the remaining seven hope to combine part-time writing for the general public with more technically oriented work.

Two Fellows already have found jobs in science journalism. John A. Carey accepted an offer by *Newsweek* to convert his fellowship position as science research/reporter to a permanent staff position. In his letter informing the AAAS of *Newsweek's* offer, he noted, "I cer-

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## AAAS NEWS

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tainly am grateful for the AAAS Mass Media Program for providing this opportunity." Ron Dagani, who worked at the Raleigh, N.C., *News and Observer* this summer, now is assistant editor in the Department of Science, Education and Technology of the American Chemical Society's *Chemical and Engineering News*. Dagani believes that this summer's experience was instrumental in helping him obtain his new job. "In addition to teaching me to write science for a general audience, my participation in the program demonstrated a serious interest in science journalism. That's what they were looking for," he states.

The Mass Media Science Fellows Program provides an opportunity for up to 20 advanced students in the natural and social sciences to work for 10 weeks during the summer at newspapers, magazines, and radio and television stations throughout the United States. Applications for the 1980 program now are being accepted. For application materials write to the Mass Media Science Fellows Program, at the AAAS address.

## Section News—Section B (Physics)

The various AAAS Sections once had much closer ties to their corresponding professional societies, many of which originally sprang from the AAAS Sections and at first continued to work closely with them. These ties then largely withered, particularly in physics. As a first step in re-forming these connections, the American Institute of Physics has recently elected Section B (Physics) as an affiliated society, to encourage interaction between the Section and the AIP and its nine member Societies (two of which are the American Physical Society and the American Association of Physics Teachers). Section B members who are not already members of an AIP Society may now subscribe at reduced rates to AIP journals (for example, *Physics Today*); for further information contact Ms. Rose Litow, AIP, 335 East 45 Street, New York City 10017. In turn, AIP Society members are encouraged to use the AAAS meetings and publications to reach a broader audience with ideas of general interest. In addition, Section B will arrange a session of invited talks of general interest at the next annual meeting of the APS/AAPT (Chicago, 21-24 January 1980).

The input of Section B to the AAAS Annual Meeting continues to be symposia for a general audience in which physicists can bring their unique viewpoints to bear on more general problems of science and technology. In connection with the San Francisco Meeting, Section B will have an open business meeting on Friday, 4 January 1980, at 6 p.m. in the Victorian Room of the Hotel St. Francis to consider further the role of the Section and its contribution to future AAAS Meetings. Items for discussion should be sent to Section B Secretary Rolf M. Sinclair, National Science Foundation, Washington, D.C. 20550.

ROLF M. SINCLAIR  
Secretary, Section B

## Women, Science, and Technology at UNCSTD: A Follow-Up

The only resolution passed at last August's United Nations Conference on Science and Technology for Development (UNCSTD) was on women, science, and technology. Introduced by Wilbert Chagula, ambassador and permanent representative of the United Republic of Tanzania to the United Nations, the resolution was cosponsored by the United States as well as by 14 other countries.

In particular, the resolution stresses the importance of including women in the planning, formulation, design, and implementation of development projects and programs and urges member states to facilitate the training for women as well as the equal distribution of the benefits of scientific and technological development.

The AAAS provided a direct input to the resolution in the form of the U.S. position paper, drafted by Priscilla Reining of the Office of International Science. Reining's paper was based on the UNCSTD preparatory workshop on Women and Development held by the AAAS last March with funding from the U.S. Department of State. (See p. 482, *Science*, 3 August 1979.)

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.

## The Natural History of the Mind Gordon Ratray Taylor

**The most complex structure in the universe** has never been so thoroughly explored as in this altogether absorbing work by the author of *The Biological Time Bomb* and *The Doomsday Book*. "Many books about the brain have been published in recent years, but only this one relates it to mind, consciousness, self, perception, and memory...I didn't find a boring page in the entire book."  
—PETER FARB, author of *Humankind*. With drawings, bibliog.; index.

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