



# educational activities of the AMS

## PUBLICATIONS OF THE AMS

The Society has an extensive publications program that, in addition to the *Bulletin*, presently includes nine research journals, an abstract journal, 49 *Meteorological Monographs*, and a number of historical monographs and books of general interest. In addition, the AMS publishes vocational and educational guidance materials, conference preprints and proceedings, bibliographies, and translations. A list of AMS periodicals and publications is given each year in the May *Bulletin* (see pages 1165–1171). More detailed information on some publications with special educational emphasis is given below.

### 1. *Curricula in the Atmospheric, Oceanic, Hydrologic, and Related Sciences*

Every two years, the Society copublishes, along with the University Corporation for Atmospheric Research (UCAR), a survey of institutions of higher learning in the United States and Canada that have graduate or undergraduate programs in meteorology, hydrology, or physical and dynamical oceanography. The report presents information on academic and key research staff, degrees offered, courses, theses and dissertations, and special facilities.

The 17th edition of this survey was published in August 1998 and includes information on 100 institutions. Copies may be ordered from the AMS for \$30.00 for members and students (\$40.00 for nonmembers), including postage and handling.

### 2. *Challenges of Our Changing Atmosphere*

The Society's career guidance brochure was updated in 1993 and includes information on what meteorologists do, what different careers are available in the field, how to prepare for such a career, and what employment and earning opportunities are likely to be. There is also a list of schools offering degrees in the field. This booklet is available free upon request for single copies; for bulk orders, write the AMS for a price.

## WORKSHOPS, SHORT COURSES, AND CONFERENCES

From time to time, the Society sponsors short courses, tutorial workshops, and conferences in specialized areas; these events feature lectures and extended discussion periods designed to update atmospheric scientists on the latest techniques, equipment, and research progress in their field. The events last from a few days to a week and are often co-sponsored by government agencies such as EPA, DOE, NOAA, NASA, and ONR, and also by NSF, universities, private industry, and the World Meteorological Organization.

Over the years, these meetings have covered such areas as micrometeorology, advanced forecasting techniques, weather-radar calibration, and meteorology and environmental assessment. Often, the lectures presented at workshops are later published by the Society in book form so that they are available to a wider audience. (See "Publications of the AMS," *Bull. Amer. Meteor. Soc.*, **81**, 1165. Upcoming workshops, short courses, and conferences are listed in the "Calendar of Meetings" section of the *Bulletin*.) Advertisements for these events, as well as longer program listings, are also frequently published.

## SCIENCE FAIRS

Science fair participation gives the AMS early contact with thousands of promising science students. The AMS first place award (\$1000), second place award (\$500), and third place award (\$250) for exhibits in the areas of atmospheric and related oceanic and hydrologic sciences are presented at the International Science and Engineering Fair (ISEF). In addition to being an official participating society in ISEF, the AMS also participates in the awards program of the regional, state, and national science and engineering fair program, sponsored and administered by Science Service. Members of local AMS chapters and individuals in the meteorological community serve as volunteer judges of exhibits in atmospheric and hydrospheric sciences for fairs in their geographic regions. Two AMS certificates of outstanding achievement are awarded at the discretion of the AMS judge at each fair. Each year in the December *Bulletin*, the Society publishes a summary of its participation in the several hundred science fairs around the country.

The AMS's science fair activities have increased and been greatly strengthened under the leadership of the AMS Board on Women and Minorities. Its involvement with science fairs has helped to identify students (particularly females and members of minority groups) interested in the atmospheric sciences. Resource packets have been developed and mailed to these students to further stimulate their interest. About 600 packets, for instance, were mailed in each of the last several years.

### **“EDUCATIONAL AFFAIRS” SECTION OF THE *BULLETIN***

For over 10 years now, there has been a section in the AMS *Bulletin* for “the publication of materials for the express purpose of promoting meteorological education.” Articles in this section have included a survey of textbooks in meteorological education, summaries of the meetings of atmospheric science department heads, an analysis of atmospheric science degrees awarded, the results of an AMS questionnaire on the role of undergraduate education in

meteorology, a survey on the feasibility of a clearinghouse on school and popular meteorological education, and a description of an interactive weather exhibit in a science museum. The current educational affairs editor is Susan K. Avery, Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado.

### **PUBLICATIONS REVIEWED IN THE *BULLETIN***

Each month the *Bulletin* includes announcements of newly published books and more complete reviews of selected titles of special interest to its readers. The reviews are contributed by subject-area specialists in the field. Each year for more than a decade now there has been an annual Book Issue published in May. This issue contains a larger-than-usual number of book reviews, along with lists of reviewers, publishers cited, and books announced or reviewed over the previous year. The latter list, arranged alphabetically by subject area, is reprinted annually; copies are available free of charge from Society headquarters.

