

## EDITORIAL

This special issue presents 10 papers dealing with a cross section of issues addressed by the 1993 Specialty Conference on the Role of Meteorology in Managing the Environment in the 90's. The conference was jointly sponsored by the Air and Waste Management Association (AWMA) and the American Meteorological Society; conference proceedings are available from the AWMA.<sup>1</sup> Conference sessions focused on a wide array of subjects and themes: regional and global pollution, model development and applications, fluid modeling, physical meteorology, deposition, and measurements and field studies.

The conference covered not only a wide range of scientific, technical, and modeling issues but it also brought together individuals and groups with diverse interests and backgrounds, including meteorologists, mathematicians, modelers, chemical engineers, regulators, industry specialists, and others. In much the same way, this special issue also deals with the diversity of knowledge and tools required to address the multidimensional problems of environmental quality. The common thread in these studies is the importance of understanding and simulating a variety of atmospheric processes and the role of meteorology in mitigating, exacerbating, and regulating environmental problems. These issues and concerns are critically important in the 1990s and will continue to be important for many decades to come as atmospheric science deals with issues of natural and anthropogenic impacts on the atmosphere.

It is my expectation that you will find this group of papers both informative and challenging. You will be informed concerning the complexities of many issues relating to the quality of the atmospheric environment, and many of you will be challenged to apply your unique talents and expertise toward refining established technologies and developing new ones.

*Walter F. Dabberdt*  
Guest Editor

<sup>1</sup> Air and Waste Management Association, 1993: The role of meteorology in managing the environment in the 90's. *Proceedings of the January 1993 AWMA/AMS Specialty Conference*, Scottsdale, AZ, AWMA/AMS, 454 pp. [Available from Air and Waste Management Association, P. O. Box 2861, Pittsburgh, PA 15230.]