

EDITORIAL

This special issue of the *Journal of Climate and Applied Meteorology* is devoted to atmospheric technology. I am taking this opportunity to write an introductory editorial for two important reasons.

First, it gives me the opportunity to congratulate Co-Chief Editor Silverman and Editors Carbone and Smith whose initiative and skill are responsible for organizing this issue and securing the excellent response from the atmospheric technology community. The idea grew out of a suggestion, first proposed by Dr. Robert Serafin, and shared by Dr. Silverman and others, that the Society should recognize more forcefully the importance of the role of atmospheric technology in the atmospheric sciences and take steps to provide a more visible and effective means for the exchange of new information in this subject area. The present issue is one of the very successful responses that has resulted from this suggestion. It emphasizes the fact that the Society, through its conferences and publications, has always sought to provide media that serve the atmospheric technology community, and also the fact that the time has come to make this interest more visible and to implement it more effectively.

In October of 1981, President Fleagle appointed an ad hoc Committee on Oceanography to recommend steps that might be taken by the Society to strengthen its broad interests in and ties with related hydrospheric sciences. This committee drew attention to the fact that both the atmospheric and the oceanic sciences share many needs and among these are facilities for measuring surface properties, computational facilities for their interpretation, and facilities for strengthening the interaction and exchange of information in this important area. Specifically, the recommendation was made that the Society begin a new journal with a focus on oceanic and atmospheric instrumentation.

In response to these suggestions and subsequent studies and recommendations the Council authorized a new *Journal of Atmospheric and Oceanic Technology* to begin in January 1984.

The new journal (JTech) will initially appear quarterly and will consist of the following major sections:

- 1) Refereed articles on new developments and applications of atmospheric and oceanic technology.
- 2) Feature articles reviewing specific areas of technology.
- 3) Advertising that is pertinent to readers of JTech.
- 4) Letters to the Editor reporting briefly on new developments or discussing previously published papers.

Contributors are invited to submit manuscripts related primarily to instrument system descriptions, exploratory measurement techniques, deployment strategies, calibration methods, performance analyses, and intercomparison studies, which constitute the mainstream of atmospheric and oceanic technology. Included in topics suitable for JTech are instruments and complex measurement systems borne by satellites, aircraft, ships, and drifting and moored platforms. Appropriate topics include more than the instruments themselves; development of data acquisition hardware, real-time and post-analysis software, and signal processing techniques are examples of materials publishable in JTech.

The editorial board for JTech will be co-directed by Dr. H. Thomas Rossby

and Dr. Robert J. Serafin. Papers dealing primarily with the ocean should be addressed to:

Dr. H. Thomas Rossby, Co-Editor, Journal of Atmospheric and Oceanic Technology,
Graduate School of Oceanography,
University of Rhode Island,
Narragansett, RI 02882-1197.

Papers dealing with the atmosphere should go to:

Dr. Robert J. Serafin, Co-Editor, Journal of Atmospheric and Oceanic Technology,
National Center for Atmospheric Research,
P.O. Box 3000,
Boulder, CO 80307.

Contributions may be submitted immediately.

A. K. Blackadar
Chairman, AMS Publications Commission