

Foreword

The 14th Symposium on Polar Meteorology and Glaciology sponsored by the National Institute of Polar Research was held on July 9–10, 1991. The symposium reported on continuing efforts of Japanese polar meteorologists, glaciologists and physical oceanographers. The research areas covered by this symposium were: atmospheric constituents, ozone, sea ice and physical oceanography, atmospheric circulation and climate, ice sheet and snow cover, ice core, snow and ice crystals, meteorological and glaciological observations, remote sensing, instrumentation and polar region engineering. Much of the topics were related to the outcome of major research programs of the Antarctic Climate Research (ACR) in 1987–1991, East Queen Maud Land Glaciological Project (EQGP) in 1982–1986 and Middle Atmospheric Program (MAP) in 1982–1985 carried out and being carried out by the Japanese Antarctic Research Expedition. Some topics on Arctic glaciological research were also included.

A total of 71 papers were presented at the symposium and the present volume contains 13 full-length papers and 19 abstracts which will be published in appropriate journals. Full-length papers are arranged in the order of scientific areas of meteorology, glaciology and physical oceanography.

It is hoped that this volume will contribute to the progress of research on the polar atmosphere, cryosphere and hydrosphere. Our sincere thanks are due to all of the contributors and referees who have readily cooperated to bring about this proceedings.

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