Foreword

The 20th Symposium on Polar Meteorology and Glaciology sponsored by the National Institute of Polar Research was held on November 26–27, 1997. The Symposium reported on continuing efforts of Japanese polar meteorologists, glaciologists and physical oceanographers. The research areas covered by this symposium were meteorological and glaciological observations, remote sensing, instrumentation and polar region engineering as well as modeling, dynamics related to polar regions.

Many of topics were related to the outcome of major research programs of the Antarctic Atmospheric Chemistry (1993–) and Deep Ice Coring Project at Dome Fuji Station (1992–) carried out by the Japanese Antarctic Research Expedition and some topics on atmospheric, glaciological and oceanographic research in the Arctic region.

A total of 89 papers were presented at the symposium and the present volume contains 15 full-length papers. Each paper has been reviewed by two referees for judging the acceptability. The rest of papers presented at the symposium is summarized in 74 abstracts following the full-length papers. It is hoped that this volume will contribute to the progress of research on the polar cryosphere, atmosphere and hydrosphere.

Our sincere thanks are due to all of the contributors and referees who have readily cooperated in publishing this volume. We also thank Ms. T. TOMINAGA and Ms. T. NAOI as well as the staff of polar meteorology and glaciology section and the publication officers at the Library of the National Institute of Polar Research for their assistance and arrangement of the symposium and the publication of this volume.

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