

## Foreword

The 12th Symposium on Antarctic Geosciences sponsored by the National Institute of Polar Research (NIPR) was held on October 13 and 14, 1992. A total of 33 papers were read at the Symposium, as shown in the program on the last page of this volume. The annual symposium at NIPR provides a forum for the discussions on Antarctic research by researchers from various fields of earth sciences who hold their respective scientific conferences usually on separate occasions. Therefore, it is important for us to continue this annual symposium as one of tasks of NIPR which has the function of joint use by many universities and other institutions not only of Japan but of foreign countries.

The present volume consists of 12 full-length papers and 15 abstracts contributed from presentations at the 12th Symposium. Full-length papers are arranged in the order of scientific fields of solid earth geophysics, geology and geomorphology. Topics in solid earth geophysics concern with icequakes, status reports of geophysical observations at Syowa Station within the framework of global geophysical research, and rock magnetism. Geological science deals with petrology and mineralogy of metamorphic and plutonic rocks from the East Antarctic craton. Geomorphological studies comprise discussions on crustal movement of the inland mountains and submarine topography and stratigraphy of Antarctic shelf margin. These contributions reflect the wide range of Japanese Antarctic activities in the field of earth sciences.

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