

## Foreword

This volume of Memoirs of National Institute of Polar Research is the Proceedings of the Fifth Symposium on Antarctic Geosciences, which was held on 26th and 27th of October 1984 at the National Institute of Polar Research, Tokyo. In this annual symposium on Antarctic geosciences at the National Institute of Polar Research, thirty-four papers were read; thirteen in petrology and mineralogy, nine in geophysics, two in geomorphology, seven in geochemistry, three in other fields such as glaciology and sedimentology. This volume comprises seventeen papers and two extended abstracts. Two other accounts were published separately entitled "Free Air Gravity Anomaly of Antarctic Region" and "Geomorphological Map of Mt. Tyô" in the Special Map Series of the National Institute of Polar Research. The general discussion on the topics in various fields of Antarctic geosciences on a continental or semi-continental scale was attempted in the last session of the symposium in order to obtain the basis for compiling a whole comprehensive figure of the Antarctic Continent. It seems, however, a little premature at present to give the outcome of the discussion in full papers.

Most of the papers deal with problems on the basis of investigations of local or regional characteristics, but many of them will provide significant clues to clarify the unsolved problems in geosciences. I hope every effort will be continued for establishing a synthetic approach to the Antarctic geoscience as was suggested by Dr. T. NAGATA, former director of the National Institute of Polar Research.

Yoshio YOSHIDA, Editor  
National Institute of Polar Research