

CONTENTS

Foreword	<i>Yoshio YOSHIDA</i> ... i
Surface configuration of the Antarctic ice sheet in the sector 30°E–80°E using SEASAT altimetry data.	<i>Kazuo SHIBUYA, Yuko KAJIKAWA and Jiro SEGAWA</i> ... 1
Processing of sea gravity data using on-line navigational information of icebreaker SHIRASE.	<i>Jiro SEGAWA, Katsutada KAMINUMA and Yoichi FUKUDA</i> ... 13
Comments on the map of free-air gravity anomaly of the Antarctic region.	<i>Jiro SEGAWA, Takeshi MATSUMOTO and Katsutada KAMINUMA</i> ... 19
NNSS translocation test in the Kanto district with special application to Antarctic research program.	<i>Kazuo SHIBUYA and Yukihiro KITAZAWA</i> ... 23
Preliminary studies of natural remanent magnetization of the rocks collected from Ongul Islands, East Antarctica.	<i>Minoru FUNAKI and Peter WASILEWSKI</i> ... 37
Preliminary report of geological and geophysical surveys off Amery Ice Shelf, East Antarctica.	<i>Ikuro MIZUKOSHI, Hisao SUNOUCHI, Takao SAKI, SHUNJI SATO and Manabu TANAHASHI</i> ... 48
Mode of occurrence, bulk chemical compositions, and mineral textures of ultramafic rocks in the Lützow-Holm Complex, East Antarctica.	<i>Yoshikuni HIROI, Kazuyuki SHIRAISHI, Yoichi MOTOYOSHI, Satoshi KANISAWA, Keizo YANAI and Koshiro KIZAKI</i> ... 62
Short note on ultramafic granulites in the Ongul Islands area, East Antarctica.	<i>Morihisa SUZUKI</i> ... 85
Amphibolite-facies mineral assemblages in the Belgica Mountains, East Antarctica.	<i>Masao ASAMI, Hideyasu KOJIMA, Keizo YANAI and Tamio NISHIDA</i> ... 101
Note on the geology of the western part of the Sør Rondane Mountains, East Antarctica.	<i>Satoru KOJIMA and Kazuyuki SHIRAISHI</i> ... 116
Rb-Sr whole-rock ages of metamorphic rocks from eastern Queen Maud Land, East Antarctica.	<i>Ken SHIBATA, Keizo YANAI and Kazuyuki SHIRAISHI</i> ... 133

Alkanes and alkanolic acids in the Beacon Supergroup samples from
the Allan Hills and the Carapace Nunatak in Antarctica.
..... *Genki I. MATSUMOTO, Minoru FUNAKI,*
Tsutomu MACHIHARA and Kunihiko WATANUKI... 149

Accumuration rate at Mizuho Station, East Antarctica: An application of
Pb-210 method.
..... *Noriyasu MASUDA and Koh HARADA...* 159