

ANTARCTIC RECORD No. 45

CONTENTS

Experimental results of the HF propagation at Syowa Station, Antarctica (in Japanese)..... <i>Syoji Kainuma, Isao Shiro, Makoto Yamaoka, Masaru Ichinose and Toshirou Sakamoto</i> .....	1
General report of the glaciological research work of the 11th Japanese Antarctic Research Expedition, 1970-1971. ..... <i>Hiromu Shimizu, Okitsugu Watanabe and Aiichiro Yoshimura</i> .....	12
Glaciological observations in the vicinity of Mizuho Camp, Enderby Land, East Antarctica, 1970 (in Japanese). ..... <i>Okitsugu Watanabe and Aiichiro Yoshimura</i> .....	20
A stratigraphic analysis of a 10 meter deep firn core from the inland area near Syowa Station, East Antarctica. ..... <i>Renji Naruse, Yasoichi Endo, Hideki Narita and Tomomi Yamada</i> .....	33
Preliminary geo-scientific researches on Sandercock Nunataks, Enderby Land, East Antarctica, 1970 (in Japanese). ..... <i>Okitsugu Watanabe and Aiichiro Yoshimura</i> .....	47
Geology of the Sandercock Nunataks in Enderby Land, East Antarctica (in Japanese). ..... <i>Kazuyuki Shiraiishi, Okitsugu Watanabe and Koshiro Kizaki</i> .....	66
Report of the Japanese Summer Parties in Dry Valleys, Victoria Land. X. A preliminary report of the geophysical and geochemical studies at Lake Vanda and in the adjacent Dry Valleys in 1971-1972 (in Japanese). ..... <i>Tetsuya Torii, Yuki Yusa, Kinshiro Nakao and Takeo Hashimoto</i> .....	76
Report of the Japanese Summer Parties in Dry Valleys, Victoria Land, 1971-1972. XI. Sedimentary structure near the saline lakes in three ice-free valleys, Victoria Land, Antarctica, inferred from electrical depth sounding. ..... <i>Kinshiro Nakao, Yasushi Nishizaki and Koichi Nakayama</i> .....	89
An application of aerophotography to the population study of adélie penguin (in Japanese) .....	<i>Saburo Nishiwaki</i> ... 105
New names decided by the Antarctic Place-names Committee of Japan (in Japanese) .....	<i>Polar Research Center</i> ... 112