

ANTARCTIC RECORD Vol. 37, No. 1

CONTENTS

Scientific Papers

- Statistical study on the conjugacy of geomagnetic field variations (in Japanese)
..... *Kumiko Hashimoto, Natsuo Sato and Masahiko Kusunose*.... 1
- Buellia subfrigida* sp. nov. (Lichens, Buelliaceae) from Lützow-Holm Bay area and Prince Olav Coast, East Antarctica—
The asexual sorediate species forming a species pair with *B. frigida* DARB. *Masakane Inoue*.... 19

Scientific Note

- Annual variation of oxygen isotopic contents of drifting snow and the isotopic contents of deposited snow layers at Mizuho Station, Antarctica (in Japanese) *Yutaka Ageta*.... 24

Reports

- Activities of the fifth wintering party at Asuka Station by the 32nd Japanese Antarctic Research Expedition in 1991 (in Japanese)
..... *Kazuo Makita*.... 32
- Construction of the new central building of Syowa Station, Antarctica
(1) Preliminary design of the building (in Japanese)
..... *Toshio Hannuki, Masao Koishikawa, Zenkichi Hirayama, Masashi Sano and Toshio Sato*.... 61
- Report on Japan–Australia collaborative research on marine biology in the Prydz Bay area, Antarctica in 1992 (in Japanese)
..... *Kentaro Watanabe, Hiroshi Sasaki and Mitsuo Fukuchi*.... 103