

ANTARCTIC RECORD Vol. 45, No. 1

CONTENTS

Scientific Papers

- Solar ultraviolet irradiance in the ozone hole region in Antarctica (in Japanese)
.....*Shu Takeshita, Hiroshi Miyaoka, Masaki Ejiri and Masako Sasaki*.... 1
- Behaviour of the Antarctic fish *Ophthalmolycus amberensis* (Zoarcidae) on gravel
and muddy bottom
.....*Edith Fanta, Flávia Sant'Anna Rios and Ana Aparecida Meyer*.... 13
- Chemical and visual sensory systems in feeding behaviour of the Antarctic fish
Ophthalmolycus amberensis (Zoarcidae)
.....*Edith Fanta, Flávia Sant'Anna Rios, Ana Aparecida Meyer,*
Sonia Regina Grötzner and Tania Zaleski.... 27

Scientific Note

- Magnetic survey in Ongul Strait, Lützow-Holm Bay, East Antarctica
.....*Sadanori Wakino, Minoru Funaki and Yoshifumi Nogi*.... 43

Reports

- Activities of the Summer Party of the 40th Japanese Antarctic Research Expedition
in 1998–1999 (in Japanese)*Kazuyuki Shiraishi*.... 50
- Report on the helicopter operation in western Enderby Land, 1998–1999
(JARE-40)
.....*Yasuhiro Ohashi, Ken-ichi Maki, Shinji Harigai, Tadaaki Takei,*
Yoichi Motoyoshi, Hajime Yamauchi and Hideki Miura.... 71
- A seismic refraction experiment in 2000 on the Mizuho Plateau, East Antarctica
(JARE-41) —Outline of observations— (in Japanese)
.....*Hiroki Miyamachi, Hiroshi Murakami, Tomoki Tsutsui,*
Shigeru Toda, Toshiaki Minta and Morio Yanagisawa.... 101

Symposium/Meeting Report

- Report on Workshop “Planning of Future Science in the Polar Ocean Study with
Cooperation among Study Groups” (in Japanese)
.....*Mitsuo Fukuchi and Tsuneo Odate*.... 148

Note to contributors