

ANTARCTIC RECORD Vol. 44 CONTENTS

No. 1 (March 2000)

Scientific Paper

- Morbidity of wintering-over participants in the First to the Thirty-ninth Japanese Antarctic Research Expeditions: Analysis of 4233 cases (in Japanese)
..... *Güichirou Ohno and Takahiro Miyata* 1

Scientific Notes

- Installation and operation of PRARE tracking antenna at Syowa Station, Antarctica
.. *Kazuo Shibuya, Masaki Kanao, Toshihiro Higashi and Shigeru Aoki* 14
- Reconsideration of the Richardson Clay with subglacial deforming bed at an outcrop of northern foot of Mt. Riiser-Larsen, West Enderby Land, East Antarctica (in Japanese)
..... *Kazuomi Hirakawa and Takanobu Sawagaki* 25
- Distribution and size of Adélie penguin colonies in Amundsen Bay, Enderby Land, Antarctica *Akinori Takahashi, Katsufumi Sato, Jun Nishikawa, Michiharu Kouno and Yasuhiko Naito* 38
- Comparison of medical service systems at Syowa Station with other Antarctic stations: Medical staff, mortality and evacuation (in Japanese)
..... *Güichirou Ohno and Takahiro Miyata* 42
- Report*
- Reconnaissance for a hydrological research in Laptev Sea and Lena Basin (in Japanese) *Hajime Ito* 51

No. 2 (July 2000)

Scientific Paper

- Comparative morpho-functional study of the intestine of the Antarctic fish *Notothenia coriiceps* and *Trematomus newnesi* (Nototheniidae): Histology and ultrastructure
..... *A.C.C. Vianna, E. Fanta and E. Haapalainen* 61

Scientific Note

- Determination of low HTO content in various water samples by liquid scintillation technique with electrical condensation procedure (in Japanese)
..... *Kokichi Kamiyama and Makoto Igarashi* 83

Reports

- Airborne surveys of surface topographic condition over the coastal ice-free areas, ice sheet and sea-ice around the Lützow-Holm Bay region, East Antarctica in 1996–1998 by JARE-38 (in Japanese)
.....*Masaki Kanao and Takashi Yamanouchi*.... 97
- Meteorological observations at Syowa Station and at Dome Fuji Station in 1997 by the 38th Japanese Antarctic Research Expedition (in Japanese)
.....*Yuji Esaki, Kuniaki Kurita, Isao Matsushima, Nobuhiko Kizu, Tetsuji Nakajima and Susumu Kaneto*....125
- Chilean Antarctic Stations on King George Island (in Japanese)
.....*Katsutada Kaminuma*....205
- Symposium/ Meeting Reports*
- Report of workshop “Future research plans for solid Earth sciences in the Antarctic Ocean” (in Japanese)*Yoshifumi Nogi*....227
- Report of workshop “Future science plans for physical, chemical and biological oceanography in the Southern Ocean” (in Japanese)
.....*Tsuneo Odate and Mitsuo Fukuchi*....232

No. 3 (November 2000)

Scientific Paper

- Diseases due to ultraviolet radiation in Antarctic wintering personnel: Analysis of geneses, seasonal change and annual variation (in Japanese)
.....*Güichirou Ohno and Takahiro Miyata*....239

Scientific Note

- Errors in wind direction data at Dome Fuji Station, and corrections (in Japanese)
.....*Naohiko Hirasawa*....249

Report

- Environmental monitoring by means of soil algae and microorganisms in the vicinity of Syowa Station (in Japanese)
.....*Shuji Ohtani, Kousuke Suyama and Hiroshi Kanda*....265

Symposium/ Meeting Report

- Report of “Workshop on variability of sea ice and ocean in polar regions” (in Japanese)*Shuki Ushio*....277