

ANTARCTIC RECORD No. 59

CONTENTS

<i>Proceedings of the First Symposium on the Antarctic Environmental Sciences, September 27, 1976</i>	
Foreword	<i>Takesi Nagata</i> 1
Distribution of trace elements around Syowa Station(I) Particulate arsenic content (in Japanese)	<i>Kiyoshi Iwashima, Masahiko Fujita, Tsutomu Abiko and Noboru Yamagata</i> 2
Sulfur dioxide and fall dust during summer season at Syowa Station, Antarctica (in Japanese).....	<i>Yoko Endo and Sakae Karasawa</i>10
Geochemical features of Antarctic lakes	<i>Kunihiko Watanuki, Tetsuya Torii, Haruta Murayama, Jun-ichi Hirabayashi, Masataka Sano and Tsutomu Abiko</i>18
Mercury profile of Mizuho ice sheet, Antarctica (in Japanese)	<i>Yuriko Yoshida and Masayo Murozumi</i>26
Distribution of trace elements around Syowa Station(II) Trace metals distribution in Langhovde (in Japanese)	<i>Masao Mishima and Noboru Yamagata</i>30
Chemical analysis of soil in East Ongul Island, Antarctica (in Japanese)	<i>Sakae Karasawa, Atsuko Yazawa and Yoko Endo</i>37
Diatom flora and environmental factors in some fresh water ponds of East Ongul Island.....	<i>Sakae Karasawa and Hiroshi Fukushima</i>46
Distribution of terrestrial plant communities near Syowa Station in Antarctica, with special reference to water supply and soil property (in Japanese)	<i>Mitsuo Yamanaka and Kazuo Sato</i>54
Ecological studies of the moss and lichen communities in the ice-free areas near Syowa Station, Antarctica.....	<i>Satoshi Nakanishi</i>68
Vegetational distribution and habitats on West Ongul and Teöya Islands, Antarctica (in Japanese)	<i>Hiroatsu Shimizu</i>97
Variations of trace elements in the hairs of wintering members of Japanese Antarctic Research Expedition during the stay in Antarctica (in Japanese)	<i>Hiroshi Kozuka and Yukio Kanda</i> ... 108
Body burdens of cesium-137 and potassium-40 in twenty-one members of the wintering party of the 16th Japanese Antarctic Research Expedition 1975	<i>Mitsumasa Miyashita, Yoriko Atomi and Keiko Ueda</i> ... 120
Distribution of anaerobic bacteria isolated from the area around Syowa Station in the Antarctic.....	<i>Toshio Miwa</i> ... 125
Bacteriological investigation of the pollution at Syowa Station in Antarctica	<i>Kazuhiko Watanabe, Kazuo Asahina, Tatsuo Suzuki, Takeji Sasaki and Akira Ghoda</i> ... 138
<i>Scientific Papers</i>	
The transition of social life of wintering parties of Japanese Antarctic Research Expedition	<i>Tatsuro Matsuda</i> ... 149
Free-living prostigmatic mites found around Syowa Station, East Antarctica	<i>Yoshikuni Ohyama and Tatsuro Matsuda</i> ... 172
<i>Report</i>	
Newspaper articles on the Japanese Antarctic Expedition with the KAINAN MARU during her calls at Wellington and Sydney in 1910-1912...	<i>Kou Kusunoki</i> ... 177