

Polar Meteorology and Glaciology

No. 18

CONTENTS

Scientific Papers

Average time scale for Dome Fuji ice core, East Antarctica	Takeo Hondoh, Hitoshi Shoji, Okitsugu Watanabe, Elena A. Tsyganova, Andrey N. Salamatin and Vladimir Ya. Lipenkov ...	1
Long-term and seasonal changes of the mean sea level at Syowa Station, Antarctica, from 1981 to 2000	Yutaka Michida, Atsushi Tateoka, Hideki Kinoshita, Masaharu Namiki and Minoru Odamaki ...	19
Seasonal variation of moisture transport in polar regions and the relation with annular modes	Kazuhiro Oshima and Koji Yamazaki ...	30
Greenland Ice Sheet and rising sea level in a worst-case climate change scenario	Terry Hughes ...	54
Periodicities of palaeo-climatic records extracted from the Dome Fuji deep core	Kazuhide Satow, Okitsugu Watanabe, Yoshiyuki Fujii, Kokichi Kamiyama, Hideaki Motoyama, Teruo Furukawa, Makoto Igarashi and Satoru Kanamori ...	72
Effects of intraseasonal variations of the Arctic Oscillation on the Barents Sea	Bingyi Wu, Jia Wang and Renhe Zhang ...	82
Seasonal variation of air transport in the Antarctic and Atmospheric Circulation in 1997	Kazue Suzuki, Takashi Yamanouchi, Naohiko Hirasawa and Tetsuzo Yasunari ...	96
<i>Scientific Note</i>		
Chemical characteristics in a 22-m ice core on the Belukha Glacier, Russia	Yoshinori Iizuka, Koji Fujita, Sumito Matoba, Yoshiyuki Fujii, Kenichiro Matsuki, Mika Kohno and Vladimir B. Aizen ...	114

Report

A report on ice core drilling on the western plateau of Mt. Belukha in the
Russian Altai Mountains in 2003

.....	<i>Nozomu Takeuchi, Akiyoshi Takahashi, Jun Uetake, Tetsuya Yamazaki, Vladimir B. Aizen, Daniel Joswiak, Arzhan Surazakov and Stanislav Nikitin . . .</i>	121
Note to contributors		134
Author index		136