

# SEPPYO

Journal of the Japanese Society of Snow and Ice

## Photo Studio of Snow and Ice

Three avalanche accidents in the winter of 2006-2007

*Mikio ABE and Isao KAMIISHI*

i

## Foreword

*Kouichi NISHIMURA*

443

## Collected Papers on Avalanches

### Original Articles

Slab avalanches occurred at Tsurunoyu in Nyuutou Onsen, Akita Prefecture, Japan

*Takeshi SATO, Hiroyuki HIRASHIMA, Masaki NEMOTO, Shigeto MOCHIZUKI,*

*Osamu ABE, Michael LEHNING, Atsushi SATO, Masaaki HANAOKA,*

*Kazuya AKIYAMA, Shigeki MURAKAMI and Hiromu DAIMARU*

445

The technology to induce an artificial avalanche

*Makoto MACHIDA, Norio HAYAKAWA, Takashi MACHIDA and Satoru SAKAUE*

457

Mechanical characteristics of high-density snow blocks during collision

*Atsushi SHOJI, Kaoru IZUMI, Katsuhisa KAWASHIMA and Tsutomu IYOBE*

471

### Research Notes

In situ observations of weak layers caused by graupels and snow crystals in snow packs deposited in a controlled cold room

*Masaaki ISHIZAKA*

481

A study of snow-pack characteristics in Hakuba backcountry

*Shinji IKEDA*

489

### Reports

Comparison among snow cover on four slopes with different aspects at an artificial mound

*Takayuki ABE*

501

A report of avalanche accidents in February -April 2007

*Isao KAMIISHI et al.*

507

On the avalanche of February 14, 2007 in the Hakkoda Mountains

*Osamu ABE, Kunio RIKIISHI, Sachinobu ISHIDA, Kenji KOSUGI, Isao KAMIISHI*

*and Hiroyuki HIRASHIMA*

513

### Original Article

Simplified formula for stationary creep deflection of ice dome

*Tsutomu KOKAWA*

519

### Report of Conference

531

### Forums

533

### Report from Abroad

543

### Book Reviews

546

### Reports from the Branches

548

### Community News

553

### Variation of snow depth at three observatories in Japan, 2006 / 2007 winter season

557

### Condolences

559

### Announcements

562

### JSSI Announcements

564

### Announcements of the 2007 JSSI Conference (3)

583

### Conference Schedule

586

*Published by the Japanese Society of Snow and Ice*

*Kagaku-kaikan (Chemistry Hall) 3F, Kanda Surugadai 1-5, Chiyoda-ku, Tokyo 101-0062, Japan*

### Notice about photocopying

In order to photocopy any work from this publication, you or your organization must obtain permission from the following organization which has been delegated for copyright clearance by the copyright owner of this publication.

Except in the USA

Japan Academic Association for Copyright Clearance,  
(JAACC) 6-41 Akasaka 9-chome, Minato-ku, Tokyo  
107-0052 Japan

TEL: 81-3-3475-5618 FAX: 81-3-3475-5619

E-mail: info@jaacc.jp

In the USA

Copyright Clearance Center, Inc.  
222 Rosewood Drive, Danvers, MA 01923 USA  
Phone : 1-978-750-8400 FAX : 1-978-646-8600