

56000001

Ovik, Jill M. (Minnesota Department of Transportation, Office of Materials and Road Research, Minneapolis, MN); Birgisson, Bjorn and Newcomb, David E.

Characterizing seasonal variations in pavement material properties for use in a mechanistic-empirical design procedure: Rep. No. MN/RC-2000-35, 221 p., illus. incl. tables, 69 ref., December 2000. *Available from:* Minnesota Department of Transportation, Saint Paul, MN, United States. Final report; Includes appendix.

56000003

Taylor, Michael Ray.

Dark life; Martian nanobacteria, rock-eating cave bugs, and other extreme organisms of inner Earth and outer space: Scribner, New York, NY, 287 p., 1999. ISBN: 0-684-84191-6.

56000004

Hutter, Kolumban, prefacer.

Papers from the International symposium on Snow, avalanches and impact of the forest cover: *Annals of Glaciology*, 32, 364 p., illus. incl. tables, sketch maps, 2001. ISBN: 0-946417-27-X. *Meeting:* May 22-26, 2000, Innsbruck, Austria. Individual papers are cited separately.

56000005

Baunach, Thorsten (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland); Fierz, Charles; Satyawali, Pramod K. and Schneebeli, Martin.

A model for kinetic grain growth: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 1-6, illus. incl. 2 tables, 21 ref., 2001. *Meeting:* May 22-26, 2000, Innsbruck, Austria.

56000006

Pielmeier, C. (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland); Schneebeli, Martin and Stucki, T.

Snow texture; a comparison of empirical versus simulated texture index for alpine snow: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 7-13, illus. incl. 2 tables, 10 ref., 2001. *Meeting:* May 22-26, 2000, Innsbruck, Austria.

56000007

Takei, Iwao (Hokuriku University, Faculty of Pharmaceutical Sciences, Kanazawa, Japan) and Maeno, Norikazu.

The low-frequency conductivity of snow near the melting temperature: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 14-18, illus., 21 ref., 2001. *Meeting:* May 22-26, 2000, Innsbruck, Austria.

56000008

Föhn, Paul M. B. (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland).

Simulation of surface-hoar layers for snow-cover models: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 19-26, illus., 28 ref., 2001. *Meeting:* May 22-26, 2000, Innsbruck, Austria.

56000009

Hachikubo, Akihiro (Kitami Institute of Technology, Hokkaido, Japan).

Numerical modelling of sublimation on snow and comparison with field measurements: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), Annals of Glaciology, 32, p. 27-32, illus., 23 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000010

Kohl, B. (Austrian Institute for Avalanche and Torrent Research, Innsbruck, Austria); Fuchs, M.; Markart, G. and Patzelt, G.

Heavy rain on snow cover: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), Annals of Glaciology, 32, p. 33-38, illus. incl. 3 tables, 16 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000011

Abe, Osamu (National Research Institute for Earth Science and Disaster Prevention, Shinjo Branch of Snow and Ice Studies, Shinjo, Japan).

Creep experiments and numerical simulations of very light artificial snowpacks: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), Annals of Glaciology, 32, p. 39-43, illus., 16 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000012

Camponovo, Christian (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland) and Schweizer, Jürg.

Rheological measurements of the viscoelastic properties of snow: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), Annals of Glaciology, 32, p. 44-50, illus., 22 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000013

Sokratov, Sergey A. (University of Colorado, Cooperative Institute for Research in Environmental Sciences, Boulder, CO); Sato, Atsushi and Kamata, Yasushi.

Water vapor in the pore space of snow: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), Annals of Glaciology, 32, p. 51-58, illus. incl. 1 table, 53 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000014

Jamieson, Bruce (University of Calgary, Department of Civil Engineering, Calgary, AB, Canada) and Johnston, Colin D.

Evaluation of the shear frame test for weak snowpack layers: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), Annals of Glaciology, 32, p. 59-69, illus. incl. 8 tables, 36 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000015

Golubev, Vladimir N. (Moscow State University, Faculty of Geography, Moscow, Russian Federation) and Frolov, Anatoly D.

On the correlation between tensile strength and stress wave velocities of dry coherent snow based on its structural model: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 70-74, illus. incl. 3 tables, 13 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000016

Coléou, Cécile (Centre d'Études de la Neige/Centre National de Recherches Météorologiques, Saint-Martin-d'Herès, France); Lesaffre, Bernard; Brzoska, Jean-Bruno; Ludwig, Wolfgang and Boller, Elodie.

Three-dimensional snow images by X-ray microtomography: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 75-81, illus., 13 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000017

Marshall, Susan (University of North Carolina at Charlotte, Department of Geography and Earth Sciences, Charlotte, NC); Oglesby, Robert J. and Nolin, Anne W.

Effect of Western U.S. snow cover on climate: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 82-86, illus. incl. 1 table, 20 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000018

Etchevers, Pierre (Météo-France, Centre d'Études de la Neige/Centre National de Recherches Météorologiques, Saint-Martin-d'Herès, France); Durand, Yves; Habets, Florence; Martin, Eric and Noilhan, Joël.

Impact of spatial resolution on the hydrological simulation of the Durance high-alpine catchment, France: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 87-92, illus. incl. 1 table, 26 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000019

Wei Wenshou (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Gansu, China); Qin Dahe and Liu Mingzhe.

Properties and structure of the seasonal snow cover in the continental regions of China: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 93-96, illus. incl. 2 tables, 11 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000020

Shimizu, Masujiro (National Research Institute for Earth Science and Disaster Prevention, Nagaoka Institute of Snow and Ice Studies, Nagaoka, Japan) and Abe, Osamu.

Recent fluctuation of snow cover on mountainous areas in Japan: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 97-101, illus. incl. 2 tables, 10 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000021

Christiansen, Hanne H. (University of Copenhagen, Institute of Geography, Copenhagen, Denmark).

Snow cover depth, distribution and duration data from Northeast Greenland obtained by continuous automatic digital photography: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 102-108, illus. incl. sketch map, 6 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000022

Genthon, Christophe (CNRS, Laboratoire de Glaciologie et Geophysique de l'Environnement, Saint-Martin-d'Herès, France); Fily, Michael and Martin, Eric.

Numerical simulations of Greenland snowpack and comparison with passive microwave spectral signatures: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 109-115, illus. incl. sketch maps, 12 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000023

Sokratov, Sergey A. (University of Colorado, Cooperative Institute for Research in Environmental Sciences, Boulder, CO) and Sato, Atsushi.

The effect of wind on the snow cover: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 116-120, illus., 27 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000024

Font, D. (Universitat de Barcelona, Departament de Geodinàmica i Geofísica, Barcelona, Spain); Sato, Takeshi; Kosugi, Kenji; Sato, Atsushi and Vilaplana, J. M.

Mass-flux measurements in a cold wind tunnel; comparison of the mechanical traps with snow-particle counter: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 121-124, illus. incl. 1 table, 12 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000025

Stähli, Manfred (ETH Zurich, Institute of Terrestrial Ecology, Schlieren, Switzerland); Papritz, Andreas; Waldner, Peter and Forster, Felix.

Time-space linear regression analysis of the snow cover in a pre-Alpine semi-forested catchment: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 125-129, illus. incl. 3 tables, 9 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000026

Brabec, Bernhard (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland) and Meister, Roland.

A nearest-neighbor model for regional avalanche forecasting: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 130-134, illus. incl. 4 tables, sketch map, 22 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000027

Birkeland, K. W. (U. S. Forest Service National Avalanche Center/Montana State University, Bozeman, MT); Mock, C. J. and Shinker, J. J.

Avalanche extremes and atmospheric circulation patterns: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 135-140, illus. incl. 2 tables, 38 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000028

Vallet, Julien (Swiss Federal Institute of Technology, Lausanne, Switzerland); Gruber, Urs and Dufour, François.

Photogrammetric avalanche volume measurements at Vallée de la Sionne, Switzerland: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 141-146, illus. incl. 5 tables, sketch maps, 5 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000029

Bintanja, Richard (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands).

Buoyancy effects induced by drifting snow particles: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 147-152, illus., 22 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000030

Doorschot, J. (Swiss Federal Institute of Snow and Avalanche Research, Davos Dorf, Switzerland); Raderschall, N. and Lehning, M.

Measurements and one-dimensional model calculations of snow transport over a mountain ridge: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 153-158, illus. incl. 2 tables, 17 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000031

Takeuchi, Yukari (Niigata University, Research Institute for Hazards in Snowy Areas, Niigata, Japan); Kobayashi, Shun'ichi; Sato, Takeshi; Izumi, Kaoru; Kosugi, Kenji; Wang Xin; Zhang Jiapin and Peng Yongheng.

The effect of wind direction on drift control by snow fences: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 159-162, illus., 12 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000032

Martin, Eric (Météo-France, Centre d'Études de la Neige, Saint-Martin-d'Heres, France); Giraud, Gérald; Lejeune, Yves and Boudart, Géraldine.

Impact of a climate change on avalanche hazard: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 163-167, illus. incl. 4 tables, 9 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000034

Michaux, Jean-Luc (CEMAGREF, Snow Avalanche Engineering and Torrent Control Research Unit, Saint-Martin-d'Herès, France); Naaim-Bouvet, Florence and Naaim, Mohamed.

Drifting-snow studies over an instrumented mountainous site; II, Measurements and numerical model at small scale: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 175-181, illus., 15 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000035

Chernouss, P. A. (Centre of Avalanche Safety, Production Association "Apatit", Murmansk, Russian Federation) and Fedorenko, Yu.

Application of statistical simulation for avalanche-risk evaluation: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 182-186, illus. incl. 3 tables, 18 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000036

Durand, Yves (Météo-France/Centre d'Etudes de la Neige, Saint-Martin-d'Herès, France); Guyomarc'h, Gilbert and Mérindol, Laurent.

Numerical experiments of wind transport over a mountainous instrumented site; I, Regional scale: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 187-194, illus., 14 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000037

Marks, Danny (U. S. Department of Agriculture, Agricultural Research Service, Northwest Watershed Research Center, Boise, ID); Link, Tim; Winstral, Adam and Garen, David.

Simulating snowmelt processes during rain-on-snow over a semi-arid mountain basin: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 195-202, illus. incl. 2 tables, sketch map, 22 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000038

Sato, Takeshi (National Research Institute for Earth Science and Disaster Prevention, Shinjo Branch of Snow and Ice Studies, Yamagata, Japan); Kosugi, Kenji and Sato, Atsushi.

Saltation-layer structure of drifting snow observed in wind tunnel: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 203-208, illus., 7 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000039

Bartelt, P. (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland) and Stockli, V.

The influence of tree and branch fracture, overturning and debris entrainment on snow avalanche flow: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 209-216, illus. incl. 2 tables, 11 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000040

Höller, Peter (Federal Frost Research Centre, Institute for Avalanche Research, Innsbruck, Austria).

The influence of the forest on night-time snow surface temperature: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 217-222, illus. incl. 1 table, 12 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000041

McClung, D. M. (University of British Columbia, Department of Geography, Vancouver, BC, Canada).

Characteristics of terrain, snow supply and forest cover for avalanche initiation caused by logging: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 223-229, illus. incl. 1 table, sketch map, 9 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000042

Sovilla, Betty (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland); Somlavilla, Francesco and Tomaselli, Alvise.

Measurements of mass balance in dense snow avalanche events: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 230-236, illus. incl. 1 table, 14 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000043

Sidorova, T. (Moscow State University, Department of Geography, Moscow, Russian Federation); Belaya, N. and Perov, V.

Distribution of slushflows in northern Europe and their potential change due to global warming: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 237-240, illus. incl. sketch maps, 14 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000044

McElwaine, J. (Hokkaido University, Institute of Low Temperature Science, Hokkaido, Japan) and Nishimura, K.

Ping-pong ball avalanche experiments: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 241-250, illus. incl. 2 tables, 50 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000045

Nagasaki, Tomoharu (Niigata University, Graduate School of Science and Technology, Niigata, Japan); Izumi, Kaoru; Kobayashi, Shun'ichi and Yamada, Takatsugu.

Prediction of avalanche paths deviated from the stream by center-of-mass model: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 251-254, illus., 10 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000046

Bozhinskiy, A. N. (Moscow State University, Laboratory of Snow Avalanches and Mudflows, Moscow, Russian Federation); Nazarov, A. N. and Chernouss, P. A.

Avalanches; a probabilistic approach to modelling: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 255-258, illus., 11 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000047

Clément-Rastello, Marie (CEMAGREF, Saint-Martin-d'Herès, France).

A study on the size of snow particles in powder-snow avalanches: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 259-262, illus., 11 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000048

Tai, Y. C. (Darmstadt University of Technology, Institute for Mechanics, Darmstadt, Federal Republic of Germany); Noelle, S.; Gray, J. M. N. T. and Hutter, Kolumban.

An accurate shock-capturing finite-difference method to solve the Savag-Hutter equations in avalanche dynamics: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 263-267, illus., 9 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000049

Suriñach, E. (Universitat de Barcelona, Departament de Geodinàmica i Geofísica, Barcelona, Spain); Furdada, G.; Sabot, F.; Biescas, B. and Vilaplana, J. M.

On the characterization of seismic signals generated by snow avalanches for monitoring purposes: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 268-274, illus. incl. 1 table, sketch map, 8 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000050

Schreiber, Helmut (Technical University Graz, Institute of Communications and Wave Propagation, Graz, Austria); Randeu, Walter L.; Schaffhauser, Horst and Rammer, Lambert.

Avalanche dynamics measurement by pulsed Doppler radar: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 275-280, illus., 2 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000051

Tai, Y. C. (Darmstadt University of Technology, Institute for Mechanics, Darmstadt, Federal Republic of Germany); Gray, J. M. N. T.; Hutter, Kolumban and Noelle, S.

Flow of dense avalanches past obstructions: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 281-284, illus., 9 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000052

Louchet, François (Université Joseph Fourier, Saint-Martin-d'Herès, France).

A transition in dry-snow slab avalanche triggering modes: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 285-289, illus. incl. 1 table, 9 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria. Includes appendix.

56000053

Harbitz, Carl (Norwegian Geotechnical Institute, Oslo, Norway); Harbitz, Alf and Nadim, Farrokh.

On probability analysis in snow avalanche hazard zoning: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 290-298, illus. incl. 1 table, 29 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000054

Barbolini, M. (University of Pavia, Hydraulic and Environmental Engineering Department, Pavia, Italy) and Savi, F.

Estimate of uncertainties in avalanche hazard mapping: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 299-305, illus. incl. 3 tables, sketch maps, 13 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000055

Font, D. (Universitat de Barcelona, Departament de Geodinàmica i Geofísica, Barcelona, Spain); Furdada, G. and Vilaplana, J. M.

Aeolian susceptibility maps; methodology and applications: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 306-310, illus. incl. 1 table, sketch map, 12 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000056

Troshkina, E. (Moscow State University, Laboratory of Snow Avalanches and Mudflows, Moscow, Russian Federation); Glazovskaya, T.; Kondakova, N. and Sokolov, V.

Zoning of snowiness and avalanching in the mountains of western Transcaucasia: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 311-313, illus. incl. 2 tables, sketch map, 2 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000057

Schweizer, Jürg (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland) and Camponovo, Christian.

The skier's zone of influence in triggering slab avalanches: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 314-320, illus. incl. 1 table, 29 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000058

Schaer, Mark (Eidgenössisches Institut für Schnee- und Lawinenforschung, Davos Dorf, Switzerland) and Issler, Dieter.

Particle densities, velocities and size distributions in large avalanches from impact-sensor measurements: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 321-327, illus. incl. 1 table, 18 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000059

Gruber, Urs (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland) and Margreth, Stefan.

Winter 1999; a valuable test of the avalanche-hazard mapping procedure in Switzerland: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 328-332, illus. incl. sketch map, 5 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000060

Giani, Gian Paolo (University of Parma, Department of Civil Engineering, Parma, Italy); Silvano, Sandro and Zanon, Giorgio.

Avalanche of 18 January 1997 on Brenva Glacier, Mont Blanc Group, Western Italian Alps; an unusual process of formation: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 333-338, illus. incl. sketch map, 11 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000061

Haraldsdottir, Svanbjorg Helga (Icelandic Meteorological Office, Reykjavik, Iceland); Olafsson, Haraldur; Durand, Yves; Mérindol, Laurent and Giraud, Gérald.

SAFRAN-Crocus snow simulations in an unstable and windy climate: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 339-344, illus. incl. 2 tables, sketch map, 15 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000062

Jonsson, Arni (Orion Consulting, Reykjavik, Iceland) and Hestnes, Erik.

The proposed open-pit protection of Bolungarvik, Iceland: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 345-349, illus. incl. 2 tables, sketch maps, 8 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000063

Johannesson, Tomas (Icelandic Meteorological Office, Reykjavik, Iceland).

Run-up of two avalanches on the deflecting dams at Flateyri, northwestern Iceland: *in* Papers from the International symposium on Snow, avalanches and impact of the forest cover (Hutter, Kolumban, prefacer), *Annals of Glaciology*, 32, p. 350-354, illus. incl. 1 table, sketch map, 13 ref., 2001. *Meeting*: May 22-26, 2000, Innsbruck, Austria.

56000064

Curry, Judith A. (University of Colorado, Department of Aerospace Engineering Sciences, Boulder, CO); Schramm, J. L.; Perovich, D. K. and Pinto, J. O.

Applications of SHEBA/FIRE data to evaluation of snow/ice albedo parameterizations: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,345-15,355, illus. incl. 4 tables, 30 ref., July 27, 2001. CRREL Report No: ERDC/CRREL MP-01-5739

56000065

Shanley, James B. (U. S. Geological Survey, Montpelier, UT).

Sleepers River, Vermont; a Water, Energy, and Biogeochemical Budgets Program site: Fact Sheet - U. S. Geological Survey, Rep. No. FS 0166-99, 4 p., illus. incl. sketch map, 9 ref., June 2000. Available from: U. S. Geol. Surv., Denver, CO, United States. <http://water.usgs.gov/pubs/FS/fs-166-99/>

56000069

Henry, Karen S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Influence of wheel load shape on vertical stress reaching subgrade through an aggregate layer: ERDC/CRREL Technical Report, Rep. No. ERDC/CRREL TR-01-8, 7 p., illus., 12 ref., March 2001. Includes appendix. http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR-01-8.pdf

56000070

U. S. Coast Guard, International Ice Patrol.

Report of the International Ice Patrol in the North Atlantic: Bulletin - United States Coast Guard, Rep. No. 84, 66 p., illus. incl. tables, sketch maps, 6 ref., 1998. (CG-188-53).

56000071

Bottin, Robert R., Jr. (U. S. Army Corps of Engineers, Engineer Research and Development Center, Vicksburg, MS) and Acuff, Hugh F.

Design for small-boat harbor improvements and tidal flushing, St. Paul Harbor, St. Paul Island, Alaska: ERDC/CHL Technical Report, Rep. No. ERDC/CHL TR-01-10, 29 p., illus. incl. 12 tables, sketch maps, 14 ref., May 2001.

56000072

International Arctic Science Committee.

IASC Project Catalogue, 2001: IASC Report, Rep. No. 8, 57 p., illus. incl. tables, sketch maps, 2001. <http://www.iasc.no>

56000073

Shackleton, Nicholas (University of Cambridge, Department of Earth Sciences, Cambridge, United Kingdom).

Climate change across the hemispheres: Science, 291(5501), p. 58-59, illus., 9 ref., January 5, 2001.

56000074

Blunier, Thomas (Princeton University, Department of Geosciences, Princeton, NJ) and Brook, Edward J.

Timing of millennial-scale climate change in Antarctica and Greenland during the last glacial period: *Science*, 291(5501), p. 109-112, illus., 42 ref., January 5, 2001.

56000075

Monnin, Eric (University of Bern, Physics Institute, Bern, Switzerland); Indermühle, Andreas; Dällenbach, André; Flückiger, Jacqueline; Stauffer, Bernhard; Stocker, Thomas F.; Raynaud, Dominique and Barnola, Jean-Marc.

Atmospheric CO₂ concentrations over the last glacial termination: *Science*, 291(5501), p. 112-114, illus., 31 ref., January 5, 2001.

56000076

Boom, A. (University of Amsterdam, Hugo de Vries-Laboratory, Amsterdam, Netherlands); Mora, G.; Cleef, A. M. and Hooghiemstra, H.

High altitude C₄ grasslands in the Northern Andes; relicts from glacial conditions?: Review of Palaeobotany and Palynology, 115(3-4), p. 147-160, illus. incl. 1 table, 63 ref., June 2001. *Neth. Inst. Sea Res. (NIOZ), Contrib. No. 3391.*

56000077

British Antarctic Survey, Mapping and Geographic Information Centre.

Antarctic digital database; ADD Version 3.0; manual and bibliography: Scientific Committee on Antarctic Research, Cambridge, United Kingdom, variously paginated, illus. incl. tables, 12 ref., July 2000. ISBN: 0-948277-19-X. Prepared on behalf of the ADD Consortium under the auspices of the SCAR Working Group on Geodesy and Geographic Information.

56000078

Little, E.

Preliminary results of relative ice-movement chronology of the Laughland Lake map area, Nunavut: Current Research - Geological Survey of Canada, Rep. No. 2001-C14, 17 p. (French sum.), illus. incl. sketch maps, 6 ref., 2001. ISBN: 0-662-29857-8. Includes compact disc.

56000079

King, E. L.

A glacial origin of Sable Island; ice and sea-level fluctuations from seismic stratigraphy on Sable Island Bank, Scotian Shelf, offshore Nova Scotia: Current Research - Geological Survey of Canada, Rep. No. 2001-D19, 23 p. (French sum.), illus. incl. sketch maps, 16 ref., 2001. ISBN: 0-662-29893-4. Includes compact disc.

56000081

MacLean, B., editor.

Marine geology of Hudson Strait and Ungava Bay, eastern Arctic Canada; late Quaternary sediments, depositional environments, and late glacial-deglacial history derived from marine and terrestrial studies: Bulletin - Geological Survey of Canada, Rep. No. 566, 200 p., illus., 2001. ISBN: 0-660-184788-8. Individual papers are cited separately.

56000082

MacLean, B.; Vilks, G.; Hardy, I.; Deonarine, B.; Jennings, A. E. and Manley, W. F.

Quaternary sediments in Hudson Strait and Ungava Bay: *in* Marine geology of Hudson Strait and Ungava Bay, eastern Arctic Canada; late Quaternary sediments, depositional environments, and late glacial-deglacial history derived from marine and terrestrial studies (MacLean, B., editor), Bulletin - Geological Survey of Canada, Rep. No. 566, p. 71-125 (French sum.), illus. incl. tables; marine geology maps, 1:1,000,000, 60 ref., 2001.

56000083

Pfeffer, W. T.

Ice dynamics modelling of the Hudson Strait region at late glacial time: *in* Marine geology of Hudson Strait and Ungava Bay, eastern Arctic Canada; late Quaternary sediments, depositional environments, and late glacial-deglacial history derived from marine and terrestrial studies (MacLean, B., editor), Bulletin - Geological Survey of Canada, Rep. No. 566, p. 171-179 (French sum.), illus. incl. tables, sketch maps, 43 ref., 2001.

56000084

MacLean, B.; Andrews, J. T.; Gray, J. T.; Hall, F. R.; Hardy, I.; Jennings, A. E.; Manley, W. F.; Pfeffer, W. T. and Vilks, G.

Hudson Strait Quaternary sediments and late glacial and deglaciation history; a discussion and summary: *in* Marine geology of Hudson Strait and Ungava Bay, eastern Arctic Canada; late Quaternary sediments, depositional environments, and late glacial-deglacial history derived from marine and terrestrial studies (MacLean, B., editor), Bulletin - Geological Survey of Canada, Rep. No. 566, p. 181-191 (French sum.), sketch maps, 65 ref., 2001.

56000085

Hall, F. R.; Andrews, J. T.; Kerwin, M. and Smith, L. M.

Studies of sediment colour, whole-core magnetic susceptibility, and sediment magnetism of the Hudson Strait-Labrador Shelf region; CSS Hudson cruises 90023 and 93034: *in* Marine geology of Hudson Strait and Ungava Bay, eastern Arctic Canada; late Quaternary sediments, depositional environments, and late glacial-deglacial history derived from marine and terrestrial studies (MacLean, B., editor), Bulletin - Geological Survey of Canada, Rep. No. 566, p. 161-170 (French sum.), illus. incl. sketch maps, 29 ref., 2001.

56000086

Manley, W. F. and Miller, G. H.

Glacial-geological record on southern Baffin Island reflecting late glacial ice-sheet dynamics in the eastern Hudson Strait region: *in* Marine geology of Hudson Strait and Ungava Bay, eastern Arctic Canada; late Quaternary sediments, depositional environments, and late glacial-deglacial history derived from marine and terrestrial studies (MacLean, B., editor), Bulletin - Geological Survey of Canada, Rep. No. 566, p. 19-30 (French sum.), illus. incl. tables, sketch maps, 43 ref., 2001.

56000087

Gray, J. T.

Patterns of ice flow and deglaciation chronology for southern coastal margins of Hudson Strait and Ungava Bay: *in* Marine geology of Hudson Strait and Ungava Bay, eastern Arctic Canada; late Quaternary sediments, depositional environments, and late glacial-deglacial history derived from marine and terrestrial studies (MacLean, B., editor), Bulletin - Geological Survey of Canada, Rep. No. 566, p. 31-55 (French sum.), tables, sketch maps, 76 ref., 2001.

56000088

Jamieson, B.

Snow avalanches: *in* A synthesis of geological hazards in Canada (Brooks, G. R., editor), Bulletin - Geological Survey of Canada, Rep. No. 548, p. 81-100 (French sum.), illus. incl. tables; geologic hazards map, 1:16,666,666, 10 ref., 2001.

56000089

Smith, S. L.; Burgess, M. M. and Heginbottom, J. A.

Permafrost in Canada, a challenge to northern development: *in* A synthesis of geological hazards in Canada (Brooks, G. R., editor), Bulletin - Geological Survey of Canada, Rep. No. 548, p. 241-264 (French sum.), illus. incl. surficial geology map, 1:33,333,333, 12 ref., 2001.

56000090

Curran, Mark A. J. (University of Tasmania, Antarctic Cooperative Research Center and Australian Antarctic Division, Hobart, Tasmania, Australia) and Jones, Graham B.

Dimethyl sulfide in the Southern Ocean; seasonality and flux: Journal of Geophysical Research, D, Atmospheres, 105(16), p. 20,451-20,459, illus. incl. 3 tables, 39 ref., August 27, 2000.

56000091

Röthlisberger, Regine (University of Bern, Climate and Environmental Physics, Bern, Switzerland); Hutterli, Manuel A.; Sommer, Stefan; Wolff, Eric W. and Mulvaney, Robert.

Factors controlling nitrate in ice cores; evidence from the Dome C deep ice core: Journal of Geophysical Research, D, Atmospheres, 105(16), p. 20,565-20,572, illus. incl. 1 table, 40 ref., August 27, 2000.

56000092

Chandler, Mark A. (NASA, Goddard Institute for Space Studies, Columbia, NY) and Sohl, Linda E.

Climate forcings and the initiation of low-latitude ice sheets during the Neoproterozoic Varanger glacial interval: Journal of Geophysical Research, D, Atmospheres, 105(16), p. 20,737-20,756, illus. incl. 2 tables, 3 plates, 135 ref., August 27, 2000.

56000093

Dowdeswell, Julian A. (University of Bristol, School of Geographical Sciences, Bristol, United Kingdom); O'Cofaigh, Colm; Andrews, John T. and Scourse, James D.

Workshop explores debris transported by icebergs and paleoenvironmental implications: Eos, Transactions, American Geophysical Union, 82(35), p. 382, 386, illus., 5 ref., August 28, 2001.

56000094

Krajick, Kevin.

Barren lands; an epic search for diamonds in the North American Arctic: Times Books, Henry Holt and Company, New York, NY, 442 p., illus. incl. sketch maps, 2001. ISBN: 0-7167-4026-5.

56000095

Mulvaney, Kieran.

At the ends of the Earth; a history of the polar regions: Island Press, Washington, DC, 286 p., sketch maps, 123 ref., 2001. ISBN: 1-55963-908-3.

56000096

Lau, K. T. (Hong Kong Polytechnic University, Department of Mechanical Engineering, Hong Kong, China); Dutta, P. K.; Zhou, L. M. and Hui, D.

Mechanics of bonds in an FRP bonded concrete beam: Composites, Part B: Engineering, 32, p. 491-502, illus. incl. 1 table, 19 ref., 2001. CRREL Report No: ERDC/CRREL MP-01-5741

56000097

Wright, John; Jensen, Eivind and Walsh, Michael.

Breaking the ice at the South Pole: T and T International, 33(7), p. 26-30, illus., 3 ref., July 2001.

56000114

Scher, Irving S.

Predicting snow ski binding settings for the individual: 120 p., illus. incl. 15 tables, 30 ref., Doctoral, 2000, University of California at Berkeley, Berkeley, CA. microfiche *Available from:* Univ. Microfilms. Includes appendices.

56000115

Drobot, Sheldon Dean.

Spatial and temporal variability in snow melt onset over the Arctic Sea ice and associated atmospheric conditions: 188 p., illus. incl. 16 tables, sketch maps, 122 ref., Doctoral, 2001, University of Nebraska, Lincoln, NE. microfiche *Available from:* Univ. Microfilms. Includes appendices.

56000116

Czuba, Wojciech (PAN, Institute of Geophysics, Warsaw, Poland); Grad, Marek; Luosto, U.; Motuza, G. and Nasedkin, V.

Crustal structure of the East European Craton along the POLONAISE'97 P5 Profile: Acta Geophysica Polonica, 49(2), p. 145-168, illus., 29 ref., 2001.

56000117

Lafon, Charles Wilber.

Patterns and consequences of ice storms in forested Appalachian landscapes: 230 p., illus. incl. 18 tables, sketch maps, 256 ref., Doctoral, August 2000, University of Tennessee, Knoxville, TN. microfiche *Available from:* Univ. Microfilms. Includes appendix.

56000118

Ramage, Joan Miriam.

Satellite remote sensing of daily, seasonal, and annual changes on Southeast Alaskan glaciers 1986-1998: 283 p., illus. incl. 16 tables, 67 ref., Doctoral, January 2001, Cornell University, Ithaca, NY. microfiche *Available from:* Univ. Microfilms.

56000119

Daniels, John Lawrence.

Enhancement of clay-based barrier material resistance to desiccation stress and freeze-thaw cycling using aqueous polymer solutions: 198 p., illus. incl. 12 tables, 195 ref., Doctoral, 2000, University of Massachusetts at Lowell, Lowell, MA. microfiche *Available from:* Univ. Microfilms.

56000120

Henry, Kerri A.

Modeling Canadian permafrost under projected climate change scenarios: 119 p., illus. incl. 5 tables, sketch maps, 169 ref., Master's, August 1999, Carleton University, Ottawa, ON, Canada. ISBN: 0-612-48359-2 microfiche *Available from:* Univ. Microfilms.

56000121

Kelly, Barry C.

Trophic transfer of persistent organic pollutants in an Arctic tundra ecosystem: 210 p., illus. incl. 8 tables, 73 ref., Master's, August 1999, Simon Fraser University, Burnaby, BC, Canada. ISBN: 0-612-51376-9 microfiche *Available from:* Univ. Microfilms. Includes appendices.

56000123

Japan, Hokkaido Development Bureau, Institute of Construction Machinery.

Development history of snow sweeping machinery: Hokkaido Development Bureau, Institute of Construction Machineries, Sapporo, Japan, 177 p., (Japanese), illus., 160 ref., March 1980.

56000124

Interagency Arctic Research Policy Committee (IARPC 1987).

United States Arctic Research Plan biennial revision, 1994-1995; final draft: 60 p., illus. incl. tables, 36 ref., June 8, 1993. *Available from:* Interagency Arctic Research Policy Committee (IARPC 1987), United States.

56000125

Rosenberg, Jeanne.

Grundere til broisolering; typegodkendelse, materialevalg [Primers for bridge waterproofing; type approval, choice of materials]: Rapport - Vejteknisk Institut, Rep. No. 91, 33 p., illus. incl. tables, 1999. ISBN: 87-90145-66-6. Includes appendices.

56000126

Duclos, Alain (Transmontagne, France).

Bonneval sur Arc-Bessans; projet pilote pour la protection des routes [Bonneval sur Arc-Bessans; pilot project for the protection of roads]: Neige et Avalanches (Grenoble), 94, p. 2-8, illus. incl. sketch maps, June 2001.

56000127

Schippers, Jacob.

GAZ-EX; 12 années d'expérience [GAZ-EX; 12 years of experience]: Neige et Avalanches (Grenoble), 94, p. 9-11, illus., June 2001.

56000128

Ancey, Christophe (CEMAGREF, Unité de recherche ETNA, France).

Analyse fréquentielle du risque d'avalanche; quel enjeu? [Frequency analysis of avalanche risk; what's at stake?]: Neige et Avalanches (Grenoble), 94, p. 12-16, illus., June 2001.

56000129

Zuanon, Jean-Paul and Simonetti, Gualtiero.

La neige était rouge [The snow was red]: Neige et Avalanches (Grenoble), 94, p. 17-18, June 2001.

56000130

Bozon, Joëlle.

L'ULM au service de la sécurité des pistes [ULM in the service of trail security]: Neige et Avalanches (Grenoble), 94, p. 20-21, illus., June 2001.

56000131

Forget, Claude.

L'unité de recherche du CEMAGREF; l'Unité ETNA [A CEMAGREF research unit; the ETNA Unit]: Neige et Avalanches (Grenoble), 93, p. 2-8, illus., March 2001.

56000132

Tschirky, Frank; Kern, Martin and Brabec, Bernhard.

10 ans d'expérience avec le baloon ABS [10 years of experiences with the Avalanche airBag System]: Neige et Avalanches (Grenoble), 93, p. 9-11, illus., March 2001. Reprinted from Les Alpes No. 12, Dec. 2000.

56000133

Martzolf, André (ADSP, France); Schneider, Claude and Reverbel, Christian.

La prévision locale du risque d'avalanche; expériences et réflexions [Local avalanche risk forecasting; experiences and reflections]: Neige et Avalanches (Grenoble), 93, p. 12-18, illus., March 2001.

56000134

Rey, Claude (ANENA, France) and Sivardière, François.

ARVA 2000; réactions et précisions [ARVA 2000; reactions and details]: Neige et Avalanches (Grenoble), 93, p. 19-25, illus., March 2001.

56000135

Henceroth, Alan.

Debris flows and floods at Arapahoe Basin: The Avalanche Review, 19(2), p. 9, illus., December 2000.

56000136

Mueller, Mark and Kobrock, Sandy, illustrator.

Return to Galtur: The Avalanche Review, 19(3), p. 1, 11, illus., January 2001.

56000137

Sharaf, Don.

Snowmobility; travel differences among snowboarders, snowmobilers, and skiers: The Avalanche Review, 19(3), p. 3-4, illus., 11 ref., January 2001.
<http://www.avalanche.org>

56000138

Genswein, Manuel.

Pinpointing in a circle; an effective and reliable system for the precise location of deep burials: The Avalanche Review, 19(3), p. 8-9, illus., January 2001.

56000139

Birkeland, Karl and Abromeit, Doug.

The "new" Forest Service National Avalanche Center: The Avalanche Review, 19(1), p. 1, 6-7, illus., 2000.

56000140

Davis, Bert.

Dr. Sam Colbeck retires from CRREL: The Avalanche Review, 19(1), p. 5, portr., 2000.

56000141

Grissom, Colin K. (LDS Hospital, Salt Lake City, UT); Radwin, Martin I.; Harmston, Chris H.; Hirshberg, Ellie L. and Crowley, Thomas J.

Respiration during snow burial using an artificial air pocket: The Avalanche Review, 19(1), p. 9-10, illus., 13 ref., 2000.

56000142

Yamada, Yutaka.

On the topographical origin of some remaining snow patterns, "yukigatas": The Avalanche Review, 15(5), p. 1, 4-5, illus., March 1997.

56000143

Bryson, Sandy.

Avalanche rescue dogs; multiple v single handler teams: The Avalanche Review, 15(5), p. 6-7, illus., March 1997.

56000144

Snodgrass, Randall D. (World Wildlife Fund, Government Relations).

Battle for the Arctic National Wildlife Refuge: WWF Arctic Bulletin, 2.01, p. 11-13, illus. incl. sketch map, June 11, 2001.

56000145

Peepre, Juri (World Wildlife Fund, Canada); Iacobelli, Tony; Carpenter, William and Ewins, Peter.

Natural gas fuels conservation debate in western Canadian Arctic: WWF Arctic Bulletin, 2.01, p. 14-15, illus. incl. sketch map, June 11, 2001.

56000146

Kanfoush, Sharon L. (University of Florida, Department of Geological Sciences, Gainesville, FL); Hodell, David A.; Charles, Christopher D.; Guilderson, Thomas P.; Mortyn, P. Graham and Ninnemann, Ulysses S.

Millennial-scale instability of the Antarctic ice sheet during the last glaciation: Science, 288(5472), p. 1815-1818, illus. incl. 2 tables, 50 ref., June 9, 2000.

56000147

Lucchitta, Baerbel K. (U. S. Geological Survey, Flagstaff, AZ).

Antarctic ice streams and outflow channels on Mars: Geophysical Research Letters, 28(3), p. 403-406, illus. incl. sketch maps, 22 ref., February 1, 2001.

56000148

Mangold, N. (Université Paris-Sud, Orsay, France) and Allemand, P.

Topographic analysis of features related to ice on Mars: *Geophysical Research Letters*, 28(3), p. 407-410, illus. incl. 1 table, sketch map, 16 ref., February 1, 2001.

56000149

Williams, Michael J. M. (University of Copenhagen, Neils Institute for Astronomy, Physics and Geophysics, Copenhagen, Denmark).

Application of a three-dimensional numerical model to Lake Vostok; an Antarctic subglacial lake: *Geophysical Research Letters*, 28(3), p. 531-534, illus. incl. sketch maps, 13 ref., February 1, 2001.

56000150

D'Arrigo, Rosanne (Lamont-Doherty Earth Observatory, Tree-Ring Laboratory, Palisades, NY); Jacoby, Gordon; Frank, David; Pederson, Neil; Cook, Edward; Buckley, Brendan; Nachin, Baatarbileg; Mijiddorj, R. and Dugarjav, Chultamiin.

1738 years of Mongolian temperature variability inferred from a tree-ring width chronology of Siberian pine: *Geophysical Research Letters*, 28(3), p. 543-546, illus. incl. geol. sketch map, 39 ref., February 1, 2001.

56000151

Ye, Hengchun (University of Idaho, Department of Geography, Moscow, ID).

Increases in snow season length due to earlier first snow and later last snow dates over North Central and Northwest Asia during 1937-94: *Geophysical Research Letters*, 28(3), p. 551-554, illus. incl. 1 table, geol. sketch maps, 31 ref., February 1, 2001.

56000152

Maher, B. A. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom) and Dennis, P. F.

Evidence against dust-mediated control of glacial-interglacial changes in atmospheric CO₂: *Nature (London)*, 411(6834), p. 176-180, illus., 27 ref., May 10, 2001.

56000153

Barbraud, Christophe (Centre National de la Recherche Scientifique, Centre d'Études Biologiques de Chizé, Villiers en Bois, France) and Weimerskirch, Henri.

Emperor penguins and climate change: *Nature (London)*, 411(6834), p. 183-186, illus., 29 ref., May 10, 2001.

56000154

Butt, F. A. (University of Oslo, Department of Geology, Oslo, Norway); Elverhoi, A.; Hjelstuen, B. O.; Dimakis, P. and Solheim, A.

Modelling late Cenozoic isostatic elevation changes in Storfjorden, NW Barents Sea; an indication of varying erosional regimes: *Sedimentary Geology*, 143(1-2), p. 71-89, illus. incl. 4 tables, sketch map, 50 ref., August 2001.

56000155

Kutzbach, John E. (University of Wisconsin at Madison, Center for Climatic Research, Madison, WI); Coe, Michael T. and Harrison, Sandy P.

Land-ocean-atmosphere interactions and monsoon climate change; a paleo-perspective: *in* Global biogeochemical cycles in the climate system (Schulze, Ernst-Detlef, editor; *et al.*), Academic Press, San Diego, CA, p. 73-86, illus. incl. sketch maps, 96 ref., 2001.

56000156

Heinrichs, Markus L. (Okanagan University College, Biology Department, Kelowna, BC, Canada); Walker, Ian R. and Mathewes, Rolf W.

Chironomid-based paleosalinity records in southern British Columbia, Canada; a comparison of transfer functions: *Journal of Paleolimnology*, 26(2), p. 147-159, illus. incl. 3 tables, sketch map, 46 ref., August 2001.

56000157

Jonasson, S. (University of Copenhagen, Physiological Ecology Research Group, Copenhagen, Denmark); Chapin, F. S., III and Shaver, G. R.

Biogeochemistry in the Arctic; patterns, processes, and controls: *in* Global biogeochemical cycles in the climate system (Schulze, Ernst-Detlef, editor; *et al.*), Academic Press, San Diego, CA, p. 139-150, illus. incl. 2 tables, 75 ref., 2001.

56000158

Kelliher, Francis M. (Manaki Whenua, Landcare Research, Lincoln, New Zealand); Lloyd, Jon; Rebmann, Corinna; Wirth, Christian; Schulze, Ernst-Detlef and Baldocchi, Dennis D.

Evaporation in the boreal zone during summer; physics and vegetation: *in* Global biogeochemical cycles in the climate system (Schulze, Ernst-Detlef, editor; *et al.*), Academic Press, San Diego, CA, p. 151-165, illus. incl. 6 tables, sketch map, 92 ref., 2001.

56000159

Hogberg, Peter (SLU, Department of Forest Ecology, Umea, Sweden).

Interactions between hillslope hydrochemistry, nitrogen dynamics and plants in Fennoscandian boreal forest: *in* Global biogeochemical cycles in the climate system (Schulze, Ernst-Detlef, editor; *et al.*), Academic Press, San Diego, CA, p. 227-233, illus. incl. 1 table, 47 ref., 2001.

56000160

Ehleringer, James R. (University of Utah, Department of Biology, Salt Lake City, UT) and Cerling, Thure E.

Photosynthetic pathways and climate: *in* Global biogeochemical cycles in the climate system (Schulze, Ernst-Detlef, editor; *et al.*), Academic Press, San Diego, CA, p. 267-277, illus. incl. sketch maps, 62 ref., 2001.

56000161

Huang, Y. (Brown University, Department of Geological Sciences, Providence, RI); Street-Perrott, F. A.; Metcalfe, S. E.; Brenner, M.; Moreland, M. and Freeman, K. H.

Climate change as the dominant control on glacial-interglacial variations in C₃ and C₄ plant abundance: *Science*, 293(5535), p. 1647-1651, illus. incl. strat. cols., sketch map, 31 ref., August 31, 2001. *diatoms, pollen*

56000162

Schaetzl, Randall J. (Michigan State University, Department of Geography, East Lansing, MI).

Late Pleistocene ice-flow directions and the age of glacial landscapes in northern Lower Michigan: *Physical Geography*, 22(1), p. 28-41, geol. sketch maps, 33 ref., February 2001.

56000163

Ellis, Andrew W. (Arizona State University, Department of Geography, Tempe, AZ) and Paul, Joseph R.

Temporal patterns of diurnal snowmelt across the Northern Great Plains of the United States: *Physical Geography*, 22(1), p. 59-78, illus. incl. geol. sketch maps, 26 ref., February 2001.

56000164

Gowlett, John A. J. (University of Liverpool, Department of Archaeology, Liverpool, United Kingdom).

Out in the cold: *Nature (London)*, 413(6851), p. 33-34, illus., 17 ref., September 6, 2001.

56000165

Snyder, J. (Pennsylvania State University, Department of Physics and Materials Research Institute, University Park, PA); Slusky, J. S.; Cava, R. J. and Schiffer, P.

How "spin ice" freezes: *Nature (London)*, 413(6851), p. 48-51, illus., 31 ref., September 6, 2001.

56000166

Pavlov, Pavel (Russian Academy of Sciences, Institute of Language, Literature and History, Syktyvkar, Russian Federation); Svendsen, John Inge and Indrelid, Svein.

Human presence in the European Arctic nearly 40,000 years ago: *Nature (London)*, 413(6851), p. 64-67, illus. incl. sect., 2 tables, sketch map, 27 ref., September 6, 2001.

56000167

Egli, M. (University of Zurich, Department of Physical Geography, Zurich, Switzerland) and Fitze, P.

Quantitative aspects of carbonate leaching of soils with differing ages and climates: *Catena (Giessen)*, 46(1), p. 35-62, illus. incl. 9 tables, sketch map, 60 ref., November 20, 2001.

56000169

Sun Liguang (University of Science and Technology of China, Institute of Polar Environment, Hefei, China); Xie Zhouqing; Zhao Junlin; Xing Guangxi; Shi Shulian and Du Lijuan.

Monitoring the concentration of N₂O in the Fildes Peninsula, maritime Antarctica: *Chinese Science Bulletin*, 45(21), p. 2000-2003, illus. incl. sketch map, 13 ref., November 2000.

56000170

Muto, Yoshiko (Mie University, Department of Bioresources, Mie, Japan); Watanabe, Kunio; Ishizaki, Takeshi and Mizoguchi, Masaru.

Observation of ice lensing in glass-powder medium; the relationship between ice lens growth and water content: *Seppyo = Journal of the Japanese Society of Snow and Ice*, 63(1), p. 3-9, (Japanese) (English sum.), illus. incl. 2 tables, 11 ref., January 2001.

56000171

Kawada, Yoshitaka (Nagaoka National College of Technology, Nagaoka, Japan); Shirakashi, Masataka and Yamada, Shuichi.

Flow characteristics of ice/water slurry in a horizontal circular pipe: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(1), p. 11-19 (Japanese sum.), illus., 8 ref., January 2001.

56000172

Tateyama, Kazutaka (Kitami Institute of Technology, Department of Civil Engineering, Kitami, Japan); Enomoto, Hiroyuki and Nishio, Fumihiko.

Observation of sea ice in the Sea of Okhotsk by using the thin/thick ice detecting algorithm: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(1), p. 21-34, (Japanese) (English sum.), illus. incl. 3 tables, 18 ref., January 2001.

56000173

Kawada, Yoshitaka (Nagaoka National College of Technology, Nagaoka, Japan); Yamada, Shuichi; Yoshida, Kaki; Okada, Jun'ichi; Shirakashi, Masataka; Saitoh, Akihiro and Hattori, Masaru.

Concept design of a district cooling system utilizing ice/water mixture flow and development of the storage tank: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(1), p. 35-48, (Japanese) (English sum.), illus. incl. 1 table, 7 ref., January 2001.

56000175

Anonymous.

International snow science workshop 2000: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(1), p. 68-74, (Japanese), January 2001.

56000176

Williams, Michael R. (Ecosystem Center, Marine Biological Laboratory, Woods Hole, MA); Leydecker, Al; Brown, Aaron D. and Melack, John M.

Processes regulating the solute concentrations of snowmelt runoff in two subalpine catchments of the Sierra Nevada, California: Water Resources Research, 37(7), p. 1993-2008, illus. incl. 6 tables, 57 ref., July 2001.

56000177

Wu Bingyi (Chinese Academy of Sciences, Institute of Atmospheric Physics, Beijing, China); Huang Ronghui and Gao Dengyi.

Arctic sea ice bordering on the North Atlantic and interannual climate variations: Chinese Science Bulletin, 46(2), p. 162-165, illus., 10 ref., January 2001.

56000178

Yoon, Jong-Ryeol (KORDI, Polar Sciences Laboratory, Seoul, South Korea) and Kim, Yeadong.

Reviews on natural resources in the Arctic; petroleum, gas, gas hydrates and minerals: Ocean and Polar Research, 23(1), p. 51-62, illus. incl. 3 tables, 48 ref., March 2001.

56000179

Zimmermann, Claudia (Université Laval, Département d'Aménagement, Sainte-Foy, PQ, Canada) and Lavoie, Claude.

A paleoecological analysis of a southern permafrost peatland, Charlevoix, Quebec: Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre, 38(6), p. 909-919 (French sum.), illus. incl. 1 table, sketch map, 55 ref., June 2001.

56000180

Rampton, Vernon N. (Terrain Analysis & Mapping Services, Carp, ON, Canada).

Major end moraines of Younger Dryas age on Wollaston Peninsula, Victoria Island, Canadian Arctic; implications for paleoclimate and for formation of hummocky moraine; discussion: Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre, 38(6), p. 1003-1006, sketch map, 34 ref., June 2001. For reference to original see Dyke, A. S., and Savelle, J. M., Can. J. Earth Sci., Vol. 37, p. 601-619, 2000.

56000181

Thordarson, T. (CSIRO, Division of Minerals and Exploration, Wembley, West. Aust., Australia); Miller, D. J.; Larsen, G.; Self, S. and Sigurdsson, H.

New estimates of sulfur degassing and atmospheric mass-loading by the 934 AD Eldgja eruption, Iceland: *in* Magma degassing through volcanoes; a tribute to Werner F. Giggenbach; selected papers presented at IAVCEI general assembly; Symposium 4, Volcanic gases (Allard, Patrick, editor; *et al.*), Journal of Volcanology and Geothermal Research, 108(1-4), p. 33-54, illus. incl. 6 tables, geol. sketch map, 82 ref., August 2001. *Meeting*: January 19-24, 1997, Puerto Vallarta, Mexico.

56000182

Atkins, Dale.

AAA deprecates old avalanche beacons: The Avalanche Review, 19(4), p. 3, February 2001.

56000183

Hill, Matt.

An avalanche that wasn't; helicopter crash on Mt. Shasta: The Avalanche Review, 19(4), p. 8-9, illus., February 2001.

56000184

Sass, Oliver (Universität Augsburg, Lehrstuhl für Physische Geographie, Augsburg, Federal Republic of Germany) and Wollny, Klaus.

Investigations regarding alpine talus slopes using ground-penetrating radar (GPR) in the Bavarian Alps, Germany: Earth Surface Processes and Landforms, 26(10), p. 1071-1086, illus. incl. sects., 4 tables, geol. sketch maps, 33 ref., September 2001.

56000185

Trenhaile, A. S. (University of Windsor, Department of Earth Sciences, Windsor, ON, Canada).

Modelling the Quaternary evolution of shore platforms and erosional continental shelves: Earth Surface Processes and Landforms, 26(10), p. 1103-1128, illus. incl. 3 tables, 61 ref., September 2001.

56000186

Davis, Jerry D. (San Francisco State University, Department of Geography and Human Environmental Studies, San Francisco, CA) and Davis, Glenn A.

A microcontroller-based data-logger design for seasonal hydrochemical studies: *Earth Surface Processes and Landforms*, 26(10), p. 1151-1159, illus. incl. sketch map, 16 ref., September 2001.

56000187

Rioual, Patrick (University College, Environmental Change Research Centre, London, United Kingdom); Andrieu-Ponel, Valérie; Rietti-Shati, Miri; Battarbee, Richard W.; de Beaulieu, Jacques-Louis; Cheddadi, Rachid; Reille, Maurice; Svobodova, Helena and Shemesh, Aldo.

High-resolution record of climate stability in France during the last interglacial period: *Nature (London)*, 413(6853), p. 293-296, illus., 31 ref., September 20, 2001. *diatoms, pollen*

56000188

Singhroy, Vern (Canada Centre for Remote Sensing, Ottawa, ON, Canada); Saint-Jean, Robert; Levesque, Josee and Barnett, Peter.

Reflectance spectra of the boreal forest over mineralized sites: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1379-1381, illus., 12 ref., 2000. *Meeting: July 24-28, 2000, Honolulu, HI.*

56000189

Mätzler, C. (University of Bern, Institute of Applied Physics, Bern, Switzerland); Wiesmann, A. and Strozzi, T.

Simulation of microwave emission and backscattering of layered snowpacks by a radiative transfer model, and validation by surface-based experiments: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1548-1550, illus., 15 ref., 2000. *Meeting: July 24-28, 2000, Honolulu, HI.*

56000190

Walker, Anne E. (Meteorological Service of Canada, Climate Research Branch, Downsview, ON, Canada) and Goodison, Barry E.

Challenges in determining snow water equivalent over Canada using microwave radiometry: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1551-1554, illus., 10 ref., 2000. *Meeting: July 24-28, 2000, Honolulu, HI.*

56000191

Pullianen, Jouni (Helsinki University of Technology, Laboratory of Space Technology, Helsinki, Finland) and Hallikainen, Martti.

Estimation of areal snow water equivalent from space-borne microwave observations: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1555-1557, illus. incl. 1 table, 5 ref., 2000. *Meeting: July 24-28, 2000, Honolulu, HI.*

56000192

Koike, Toshio (University of Tokyo, Department of Civil Engineering, Tokyo, Japan); Togashi, Eita and Fujii, Hideyuki.

Validation and application of a snow algorithm in the Eurasian Continent: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1558-1560, illus., 5 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000193

Armstrong, Richard L. (University of Colorado, NSIDC/CIRES, Boulder, CO) and Brodzik, Mary J.

Validation of passive microwave snow algorithms: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1561-1563, illus., 12 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000194

Hallikainen, Martti (Helsinki University of Technology, Laboratory of Space Technology, Helsinki, Finland); Jaaskelainen, Ville S.; Pulliainen, Jouni and Koskinen, Jarkko.

Transmissivity of boreal forest canopies for microwave radiometry of snow: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1564-1566, 1 table, 2 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000195

Zhou, Xiaobing (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK) and Li, Shusun.

Measurement of BRDF of snow and sea ice in the Ross and Amundsen seas by the visible and near-infrared channels of MODIS: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1567-1569, illus., 2 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000196

Pichel, William G. (NOAA/NESDIS, Office of Research and Applications, Camp Springs, MD); Clement-Colón, Pablo; Friedman, Karen S.; Li, Xiaofeng and Malaret, Erick.

Analysis of ocean surface features with coincident SAR and radiometer data within the Alaska SAR demonstration: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1708-1710, illus. incl. 2 tables, 2 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000197

West, Richard D. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA).

The application of L-band and C-band radar measurements to monitoring land snow cover: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1751-1753, 4 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000198

Koskinen, Jarkko (Finnish Environment Institute, Helsinki, Finland); Pulliainen, Jouni and Hallikainen, Martti.

Effect of snow wetness to C-band backscatter; a modeling approach: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1754-1756, illus., 9 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000199

Li Zhen (Chinese Academy of Sciences, Institute of Remote Sensing Applications, Beijing, China); Guo Huadong and Shi Jiancheng.

Estimation of snow density with L-band polarimetric SAR data: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1757-1759, illus. incl. 1 table, 8 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000200

Macelloni, Giovanni (CNR-IROE, Florence, Italy); Paloscia, Simonetta; Pampaloni, Paolo; Ruisi, Roberto; Tedesco, Marco; Cagnati, A. and Valt, M.

Microwave emission of snow in Alpine regions and the detection of surface hoar: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1760-1762, illus. incl. 2 tables, 6 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000201

Hall, Dorothy K. (NASA, Goddard Space Flight Center, Hydrological Sciences Branch, Greenbelt, MD); Riggs, George A.; Salomonson, Vincent V. and Scharfen, Greg R.

Early results from the moderate resolution imaging spectroradiometer (MODIS) global snow and ice cover products: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1763-1765, illus., 9 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000202

Zhang, Tingjun (University of Colorado, Cooperative Institute for Research in Environmental Sciences, Boulder, CO); Haran, Terry and Scambos, Ted.

Spatial and temporal variations of surface albedo and snowmelt in Northern Alaska using AVHRR polar pathfinder datasets: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1766-1768, illus., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000203

Vikhamar, Dagrun (University of Oslo, Department of Physical Geography, Oslo, Norway) and Solberg, Rune.

A method for optical snow-cover mapping in sparse forest: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 4, p. 1769-1771, illus. incl. 2 tables, 8 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000205

Pike, Jennifer (Cardiff University, Department of Earth Sciences, Cardiff, United Kingdom); Bernhard, Joan M.; Moreton, Steven G. and Butler, Ian B.

Microbioirrigation of marine sediments in dysoxic environments; implications for early sediment fabric formation and diagenetic processes: *Geology* (Boulder), 29(10), p. 923-926, illus. incl. 1 table, 38 ref., October 2001.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=029&issue=010&page=0923>

56000206

Mastalerz, Maria (Indiana University, Bloomington, IN); Glikson, Miryam and Golding, Suzanne D., editors.

Coalbed methane; scientific, environmental and economic evaluation: Kluwer Academic Publishers, Dordrecht, Netherlands, 592 p., illus. incl. tables, strat. cols., sects., sketch maps, 1999. ISBN: 0-7923-5698-5. *Meeting*: International conference on Coal seam gas and oil, March 23-25, 1998, Brisbane, Queenl., Australia. Individual papers are cited separately.

56000207

Scott, S. G. (Department of Mines and Energy, Brisbane, Queensl., Australia).

Coal seam gas in Queensland; from there to where?: *in* Coalbed methane; scientific, environmental and economic evaluation (Mastalerz, Maria, editor; *et al.*), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 1-10, sketch maps, 4 ref., 1999. *Meeting*: International conference on Coal seam gas and oil, March 23-25, 1998, Brisbane, Queenl., Australia.

56000208

Herlevi, Antti, editor (University of Helsinki, Department of Geophysics, Helsinki, Finland).

The optics ground truth of the Finnish SALMON experiment 1997-1998: Report Series in Geophysics. University of Helsinki, 41, 54 p., illus., 1999. ISBN: 951-45-8546-1. Individual papers are cited separately.

56000209

Lepparanta, Matti (University of Helsinki, Department of Geophysics, Helsinki, Finland); Arst, Helgi and Rasmus, Kai.

Passive optical remote sensing of natural water bodies: *in* The optics ground truth of the Finnish SALMON experiment 1997-1998 (Herlevi, Antti, editor), Report Series in Geophysics. University of Helsinki, 41, p. 4-24, illus., 23 ref., 1999.

56000210

Herlevi, Antti (University of Helsinki, Department of Geophysics, Helsinki, Finland) and Rasmus, Sirpa.

Underwater optics measurements in Finnish SALMON-lakes: *in* The optics ground truth of the Finnish SALMON experiment 1997-1998 (Herlevi, Antti, editor), Report Series in Geophysics. University of Helsinki, 41, p. 25-47, illus. incl. 6 tables, sketch maps, 11 ref., 1999. Includes appendix.

56000211

Kutser, Tiit (Estonian Marine Institute, Tallinn, Estonia).

On suitability of using ST1000 spectrometer for remote sensing purposes: *in* The optics ground truth of the Finnish SALMON experiment 1997-1998 (Herlevi, Antti, editor), Report Series in Geophysics. University of Helsinki, 41, p. 49-54, illus., 9 ref., 1999.

56000362

Seeley, L. H. (University of Washington, Seattle, WA); Seidler, G. T. and Dash, J. G.

Laboratory investigation of possible ice nucleation by ionizing radiation in pure water at tropospheric temperatures: *Journal of Geophysical Research, D, Atmospheres*, 106(3), p. 3033-3036, illus., 16 ref., February 16, 2001.

56000363

Prenni, Anthony J. (University of Colorado, Boulder CO); Wise, Matthew E.; Brooks, Sarah D. and Tolbert, Margaret A.

Ice nucleation in sulfuric acid and ammonium sulfate particles: *Journal of Geophysical Research, D, Atmospheres*, 106(3), p. 3037-3044, illus., 40 ref., February 16, 2001.

56000364

Wu, J. (University of Maryland, Earth System Science Interdisciplinary Center, College Park, MD) and Dessler, A. E.

Comparisons between measurements and models of Antarctic ozone loss: *Journal of Geophysical Research, D, Atmospheres*, 106(3), p. 3195-3201, illus., February 16, 2001.

56000365

Pazzaglia, Frank J. (Lehigh University, Department of Earth and Environmental Sciences, Bethlehem, PA) and Brandon, Mark T.

A fluvial record of long-term steady-state uplift and erosion across the Cascadia forearc high, western Washington State: *in* The steady-state orogen; concepts, field observations, and models (Pazzaglia, Frank J., editor; *et al.*), *American Journal of Science*, 301(4-5), p. 385-431, illus. incl. block diags., sects., 1 table, geol. sketch map, 109 ref., May 2001.

56000366

Berger, A. (Université Catholique de Louvain, Louvain-la-Neuve, Belgium).

Astronomical dating and modeling of the last 200,000 years: Bulletin de la Société Belge de Géologie = Bulletin van de Belgische Vereniging voor Geologie, 106, p. 43-51, 23 ref., 1997.

56000367

Hill, P. (Australian Geological Survey Organisation (AGSO), Canberra, Australia).

TASQWA targets Southern Ocean sediments to reveal global climatic history: Aus Geo News, 50, p. 17, 20, illus., 1998.

56000368

von Sydow, Lena M. (Linköping University, Department of Water and Environmental Studies, Linköping, Sweden); Nielsen, Annika T.; Grimvall, Anders B. and Boren, Hans B.

Chloro- and bromoacetates in natural archives of firn from Antarctica: Environmental Science & Technology, ES & T, 34(2), p. 239-245, illus. incl. 8 tables, 23 ref., January 15, 2000.

56000369

Röthlisberger, Regine (University of Bern, Physics Institute, Bern, Switzerland); Bigler, Matthias; Hutterli, Manuel; Sommer, Stefan; Stauffer, Bernhard; Junghans, Hans G. and Wagenbach, Dietmar.

Technique for continuous high-resolution analysis of trace substances in firn and ice cores: Environmental Science & Technology, ES & T, 34(2), p. 338-342, illus. incl. 2 tables, 12 ref., January 15, 2000.

56000370

Behrendt, John C.

Antarctic science then and now: Arctic, Antarctic, and Alpine Research, 31(1), p. iv-v, 1999.

56000371

Kristofferson, Yngve.

Effort explores 130 million years of Antarctic paleoenvironment: Eos, Transactions, American Geophysical Union, 81(4), p. 36-37, 2000.

56000372

Schmidt, Gavin A. and Hansen, James E.

Role of sea ice in global climate change pondered: Eos, Transactions, American Geophysical Union, 80(29), p. 317, 319, 1999.

56000373

Showstack, Randy.

U. S. Antarctic Research Program reviewed in Congressional hearing: Eos, Transactions, American Geophysical Union, 80(26), p. 1, 292, 1999.

56000374

Broecker, Wallace S. (Lamont-Doherty Earth Observatory, New York, NY) and Sutherland, Stewart.

Distribution of carbonate ion in the deep ocean; support for a post-Little Ice Age change in Southern Ocean ventilation?: *Geochemistry, Geophysics, Geosystems* - G 3, 1, 10 p. paper number 2000GC000039, illus., 11 ref., July 10, 2000. WWW. Accessed on August 31, 2001. <http://g-cubed.org>

56000375

Jezek, Kenneth C. (Ohio State University, Byrd Polar Research Center, Columbus, OH); Liu, Hongxing; Zhao, Zhiyuan and Li, Biyan.

Improving a digital elevation model of Antarctica using radar remote sensing data and GIS techniques: *Polar Geography* (1995), 23(3), p. 185-200, illus. incl. 1 table, sketch maps, 20 ref., September 1999.

56000376

Lazzara, M. A. (University of Wisconsin at Madison, Antarctic Meteorological Research Center, Madison, WI); Jezek, Kenneth C.; Scambos, T. A.; MacAyeal, D. R. and van der Veen, C. J.

On the recent calving of icebergs from the Ross Ice Shelf: *Polar Geography* (1995), 23(3), p. 201-212, illus. incl. 1 table, geol. sketch maps, 24 ref., September 1999.

56000377

Menzhinskaya, N. A.

Dynamics of chlorophyll "a" concentration and species composition of algae communities of Antarctic sea ice at early stages of its development: *Oceanology*, 38(6), p. 788-795, 1998.

56000378

Koshlyakov, M. N.; Romanov, A. A. and Romanov, Yu. A.

El Nino-Southern Oscillation and iceberg distribution in the Pacific sector of the Antarctic: *Oceanology*, 38(4), p. 437-446, illus. incl. tables, 1998.

56000379

Mayer, Christoph (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany) and Siegert, Martin J.

Numerical modelling of ice-sheet dynamics across the Vostok subglacial lake, central East Antarctica: *Journal of Glaciology*, 46(153), p. 197-205, illus. incl. 1 table, sketch map, 27 ref., 2000.

56000380

Frezzotti, Massimo (ENEA, Rome, Italy); Tabacco, Ignazio Ezio and Zirizzotti, Achille.

Ice discharge of eastern Dome C drainage area, Antarctica, determined from airborne radar survey and satellite image analysis: *Journal of Glaciology*, 46(153), p. 253-264, illus. incl. 4 tables, sketch maps, 41 ref., 2000.

56000381

Wilch, Ellen (University of Maine, Department of Geological Sciences and Institute for Quaternary Studies, Orono, ME) and Hughes, Terence J.

Calculating basal thermal zones beneath the Antarctic ice sheet: *Journal of Glaciology*, 46(153), p. 297-310, illus. incl. 2 tables, sketch maps, 46 ref., 2000.

56000382

Kanda, Hiroshi (National Institute of Polar Research, Tokyo, Japan).

Activities of the summer party of the 37th Japanese Antarctic Research Expedition in 1995-1996: Nankyoku Shiryo = Antarctic Record, 43(2), p. 237-254, (Japanese) (English sum.), illus. incl. 4 tables, sketch maps, July 1999.

56000383

Fujii, Yoshiyuki (National Institute of Polar Research, Tokyo, Japan) and Kawada, Kunio.

Activities of the wintering party of the 37th Japanese Antarctic Research Expedition in 1996-1997: Nankyoku Shiryo = Antarctic Record, 43(2), p. 255-290, (Japanese) (English sum.), illus. incl. 12 tables, 2 ref., July 1999.

56000384

Ito, Hajime (National Institute of Polar Research, Tokyo, Japan).

Cruise observations in the Greenland Sea and Barents Sea, January 1999: Nankyoku Shiryo = Antarctic Record, 43(2), p. 361-365, illus. incl. 2 tables, 1 ref., July 1999.

56000385

Bindschadler, Robert (NASA Goddard Space Flight Center, Laboratory for Hydrospheric Processes, Greenbelt, MD) and Vornberger, Patricia.

Detecting ice-sheet topography with AVHRR, RESURS-01, and Landsat TM imagery: Photogrammetric Engineering and Remote Sensing, 66(4), p. 417-422, illus. incl. 2 tables, sketch map, 15 ref., April 2000.

56000386

Hsu, Kenneth J. (ETH, Geologische Institut, Zurich, Switzerland); Chen Haihong; Sun Shu; Wang Qingchen and Li Jiliang.

Geologic atlas of China; an application of the tectonic facies concept to the geology of China: Elsevier, Amsterdam, Netherlands, 262 p. 22 sheets, illus. incl. plates, 158 ref., 1999. ISBN: 0-444-82847-8.

56000402

Curry, Judith A., prefacer (University of Colorado, Department of Aerospace Engineering Sciences, Boulder, CO).

FIRE Arctic Clouds Experiment (FIRE): Journal of Geophysical Research, D, Atmospheres, 106(14), p. 14,985-15,375, illus., July 27, 2001. Individual papers are cited separately.

56000403

Curry, Judith A. (University of Colorado, Department of Aerospace Engineering Sciences, Boulder, CO).

Introduction to special section; FIRE Arctic Clouds Experiment: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 14,985-14,987, 28 ref., July 27, 2001.

56000404

Minnis, Patrick (NASA, Langley Research Center, Hampton, VA); Chakrapani, Venkatesan; Doelling, David R.; Nguyen, Louis; Palikonda, Rabindra; Spangenberg, Douglas A.; Uttal, Taneil; Arduini, Robert F. and Shupe, Matthew.

Cloud coverage and height during FIRE ACE derived from AVHRR data: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,215,15,232, illus. incl. 7 plates, 4 tables, sketch map, 27 ref., July 27, 2001.

56000405

Maslanik, J. A. (University of Colorado, Colorado Center for Astrodynamics Research, Boulder, CO); Key, J.; Fowler, C. W.; Nguyen, T. and Wang, X.

Spatial and temporal variability of satellite-derived cloud and surface characteristics during FIRE-ACE: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,233-15,249, illus. incl. 1 plate, 3 tables, geol. sketch map, 36 ref., July 27, 2001.

56000406

Haggerty, Julie A. (University of Colorado, Program in Atmospheric and Oceanic Sciences, Boulder, CO) and Curry, Judith A.

Variability of sea ice emissivity estimated from airborne passive microwave measurements during FIRE SHEBA: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,265-15,277, illus. incl. 5 tables, 1 plate, 39 ref., July 27, 2001.

56000407

Doelling, David R. (AS & M, Hampton, VA); Minnis, Patrick; Spangenberg, Douglas A.; Chakrapani, Venkatesan; Mahesh, Ashwin; Pope, Shelly K. and Valero, Francisco P. J.

Cloud radiative forcing at the top of the atmosphere during FIRE ACE derived from AVHRR data: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,279-15,296, illus. incl. 3 tables, 4 plates, 38 ref., July 27, 2001.

56000408

Dong, Xiquan (University of Utah, Meteorology Department, Salt Lake City, UT); Mace, Gerald G.; Minnis, Patrick and Yound, David F.

Arctic stratus cloud properties and their effect on the surface radiation budget; selected cases from FIRE ACE: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,297-15,312, illus., 29 ref., July 27, 2001.

56000409

Duynkerke, Peter G. (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands) and de Rode, Stephen R.

Surface energy balance and turbulence characteristics observed at the SHEBA ice camp during FIRE III: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,313-15,322, illus. incl. 2 tables, 30 ref., July 27, 2001.

56000410

Wang, Shouping (Universities Space Research Association, Huntsville, AL); Wang, Qing; Jordan, Rachel E. and Persson, P. O. G.

Interactions among longwave radiation of clouds, turbulence, and snow surface temperature in the Arctic; a model sensitivity study: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,323-15,333, illus. incl. 2 tables, 21 ref., July 27, 2001. CRREL Report No: ERDC/CRREL MP-02-5750

56000411

Tschudi, Mark A. (University of Colorado, Department of Aerospace Engineering, Boulder, CO); Curry, Judith A. and Maslanik, J. A.

Airborne observations of summertime surface features and their effect on surface albedo during FIRE/SHEBA: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,335-15,344, illus. incl. 2 tables, 31 ref., July 27, 2001.

56000412

Brooks, Steven B. (National Oceanic and Atmospheric Administration, Atmospheric Turbulence and Diffusion Division, Oak Ridge, TN) and Hastings, Steve J.

Airborne springtime IOP measurements of radiative exchange and albedos in the Barrow, Alaska, region and comparisons to growing season results: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,357-15,361, illus. incl. 1 table, sketch map, 7 ref., July 27, 2001.

56000413

Wylie, Donald P. (University of Wisconsin-Madison, Space Science and Engineering Center, Madison, WI).

Arctic weather during the FIRE/ACE flights in 1998: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,363-15,375, illus. incl. 4 tables, geol. sketch maps, 17 ref., July 27, 2001.

56000414

Lawson, R. Paul (SPEC Incorporated, Boulder, CO); Baker, Brad A. and Schmitt, Carl G.

An overview of microphysical properties of Arctic clouds observed in May and July 1998 during FIRE ACE: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 14,989-15,014, illus. incl. 4 tables, block diag., 59 ref., July 27, 2001.

56000415

Shupe, Matthew D. (NOAA, Environmental Technology Laboratory, Boulder, CO); Uttal, Taneil; Matrosov, Sergey Y. and Frisch, A. Shelby.

Cloud water contents and hydrometeor sizes during the FIRE Arctic Clouds Experiment: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,015-15,028, illus. incl. 4 tables, 3 plates, 30 ref., July 27, 2001.

56000417

Yum, Seong Soo (Desert Research Institute, Reno, NV) and Hudson, James G.

Vertical distributions of cloud condensation nuclei spectra over the springtime Arctic Ocean: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,045-15,052, illus. incl. 1 table, 26 ref., July 27, 2001.

56000418

Rogers, David C. (Colorado State University, Department of Atmospheric Science, Fort Collins, CO); DeMott, Paul J. and Kreidenweis, Sonia M.

Airborne measurements of tropospheric ice-nucleating aerosol particles in the Arctic spring: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,053-15,063, illus. incl. 3 tables, 48 ref., July 27, 2001.

56000419

Rangno, Arthur L. (University of Washington, Department of Atmospheric Sciences, Seattle, WA) and Hobbs, Peter V.

Ice particles in stratiform clouds in the Arctic and possible mechanisms for the production of high ice concentrations: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,065-15,075, illus. incl. 1 table, 33 ref., July 27, 2001.

56000420

Pinto, James O. (University of Colorado, Department of Aerospace Engineering Sciences, Boulder, CO); Curry, Judith A. and Intrieri, Janet M.

Cloud-aerosol interactions during autumn over Beaufort Sea: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,077-15,097, illus. incl. 4 tables, sketch map, 50 ref., July 27, 2001.

56000421

Khvorostyanov, V. I. (University of Colorado, Department of Aerospace Engineering Sciences, Boulder, CO); Curry, Judith A.; Pinto, J. O.; Shupe, Matthew; Baker, Brad A. and Sassen, K.

Modeling with explicit spectral water and ice microphysics of a two-layer cloud system of altostratus and cirrus observed during the FIRE Arctic Clouds Experiment: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,099-15,112, illus., 43 ref., July 27, 2001.

56000422

Jiang, Hongli (Colorado State University, Department of Atmospheric Science, Fort Collins, CO); Feingold, Graham; Cotton, William R. and Duynkerke, Peter G.

Large-eddy simulations of entrainment of cloud condensation nuclei into the Arctic boundary layer; May 18, 1998, FIRE/SHEBA case study: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,113-15,122, illus. incl. 1 table, 48 ref., July 27, 2001.

56000423

Lohmann, U. (Dalhousie University, Department of Physics, Halifax, NS, Canada); Humble, J.; Leaitch, W. R.; Isaac, G. A. and Gultepe, I.

Simulations of ice clouds during FIRE ACE using the CCCMA single-column model: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,123-15,138, illus. incl. 2 tables, 43 ref., July 27, 2001.

56000424

Girard, Eric (University of Colorado, Department of Aerospace Engineering Sciences, Boulder, CO) and Curry, Judith A.

Simulation of arctic low-level clouds observed during the FIRE Arctic Clouds Experiment using a new bulk microphysics scheme: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,139-15,154, illus. incl. 1 table, 36 ref., July 27, 2001.

56000425

Garrett, Timothy J. (University of Washington, Department of Atmospheric Sciences, Seattle, WA); Hobbs, Peter V. and Gerber, Hermann.

Shortwave, single-scattering properties of arctic ice clouds: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,155-15,172, illus. incl. sketch map, 4 tables, block diag., 68 ref., July 27, 2001.

56000426

Benner, Timothy C. (University of Colorado, Program in Atmospheric and Oceanic Sciences, Boulder, CO); Curry, Judith A. and Pinto, James O.

Radiative transfer in the summertime Arctic: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,173-15,183, illus. incl. 5 tables, 37 ref., July 27, 2001.

56000427

Platnick, S. (University of Maryland Baltimore County, Baltimore, MD); Li, J. Y.; King, M. D.; Gerber, Hermann and Hobbs, Peter V.

A solar reflectance method for retrieving the optical thickness and droplet size of liquid water clouds over snow and ice surfaces: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,185-15,199, illus. incl. 2 tables, 4 plates, 38 ref., July 27, 2001.

56000428

Marchand, Roger, T. (Pacific Northwest National Laboratory, Richland, WA); Ackerman, Thomas P.; King, Michael D.; Moroney, Catherine; Davies, Roger; Muller, Jan-Peter A. L. and Gerber, Hermann.

Multiangle observations of Arctic clouds from FIRE ACE; June 3, 1998, case study: *in* FIRE Arctic Clouds Experiment (FIRE) (Curry, Judith A., prefacer), Journal of Geophysical Research, D, Atmospheres, 106(14), p. 15,201-15,214, illus. incl. 1 table, 8 plates, 19 ref., July 27, 2001.

56000429

Exon, Neville F. (Australian Geological Survey Organisation, Petroleum and Marine Division, Canberra, Australia); Kennett, James P.; Malone, Mitchell J.; Brinkhuis, Henk; Chaproniere, George C. H.; Ennyu, Atsuhito; Fothergill, Patrick; Fuller, Michael D.; Grauert, Marianne; Hill, Peter J.; Janecek, Thomas R.; Kelly, Daniel C.; Latimer, Jennifer C.; Nees, Stefan; Ninnemann, Ulysses S.; Nürnberg, Dirk; Pekar, Stephen F.; Pellaton, Caroline C.; Pfuhl, Helen A.; Robert, Christian M.; Roessig, Kristeen L. McGonigal; Röhl, Ursula; Schellenberg, Stephen A.; Shevenell, Amelia E.; Stickley, Catherine E.; Suzuki, Noritoshi; Touchard, Yannick; Wei, Wuchang and White, Timothy S.

Leg 189 Summary: *in* Proceedings of the Ocean Drilling Program, initial reports, the Tasmanian Gateway, Cenozoic climatic and oceanographic development; covering Leg 189 of the cruises of the drilling vessel JOIDES Resolution; Hobart, Tasmania, to Sydney, Australia; sites 1168-1172, 11 March-6 May 2000 (Exon, Neville F.; *et al.*), Proceedings of the Ocean Drilling Program, Part A: Initial Reports, 189, 98 p., illus. incl. sects., 4 tables, sketch maps, 92 ref., 2001. (CD-ROM format, ISSN 1096-2522; WWW format, ISSN 1096-2158). Also available on CD-ROM in PDF format and on the Web in PDF or HTML.

http://www-odp.tamu.edu/publications/189_IR/chap_01/chap_01.htm

56000430

Heller, Paul L. (University of Wyoming, Department of Geology and Geophysics, Laramie, WY); Beland, Peter E.; Humphrey, Neil F.; Konrad, Sarah K.; Lynds, Ranie M.; McMillan, Margaret E.; Valentine, Kenneth E.; Widman, Yvette A. and Furbish, David Jon.

Paradox of downstream fining and weathering-rind formation in the lower Hoh River, Olympic Peninsula, Washington: *Geology (Boulder)*, 29(11), p. 971-974, illus. incl. sketch map, 16 ref., November 2001.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=029&issue=011&page=0971>

56000431

Potter, Paul Edwin (Universidade Federal do Rio Grande do Sul, Geociencias, Porto Alegre, Brazil); Huh, Youngsook and Edmond, John M.

Deep-freeze petrology of Lena River sand, Siberia: *Geology (Boulder)*, 29(11), p. 999-1002, illus. incl. 3 tables, sketch maps, 23 ref., November 2001. With GSA Data Repository Item 2001114.

www.geosociety.org/pubs/ft2001.htm

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=029&issue=011&page=0999>

56000432

Cutler, Paul M. (National Research Council, Washington, DC); Mickelson, David M.; Colgan, Patrick M.; MacAyeal, Douglas R. and Parizek, Byron R.

Influence of the Great Lakes on the dynamics of the southern Laurentide ice sheet; numerical experiments: *Geology (Boulder)*, 29(11), p. 1039-1042, illus. incl. sketch map, 28 ref., November 2001.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=029&issue=011&page=01039>

56000433

Licciardi, Joseph M. (Oregon State University, Department of Geosciences, Corvallis, OR); Clark, Peter U.; Brook, Edward J.; Pierce, Kenneth L.; Kurz, Mark D.; Elmore, David and Sharma, Pankaj.

Cosmogenic ³He and ¹⁰Be chronologies of the late Pinedale northern Yellowstone ice cap, Montana, USA: *Geology (Boulder)*, 29(12), p. 1095-1098, illus. incl. sketch maps, 23 ref., December 2001. With GSA Data Repository Item 2001127; *Woods Hole Oceanogr. Inst., Contrib. No.* 10490.

www.geosociety.org/pubs/ft2001.htm

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0091-7613&volume=029&issue=012&page=1095>

56000434

Gore, D. B. (Macquarie University, Department of Physical Geography, Sydney, N.S.W., Australia); Rhodes, E. J.; Augustinus, P. C.; Leishman, M. R.; Colhoun, E. A. and Rees-Jones, J.

Bunger Hills, East Antarctica; ice free at the last glacial maximum: *Geology (Boulder)*, 29(12), p. 1103-1106, sketch maps, 42 ref., December 2001. With GSA Data Repository Item 2001128.

www.geosociety.org/pubs/ft2001.htm

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0091-7613&volume=029&issue=012&page=1103>

56000435

Bjorck, Svante (Lund University, Department of Quaternary Geology, Lund, Sweden); Muscheler, Raimund; Kromer, Bernd; Andresen, Camilla S.; Heinemeier, Jan; Johnsen, Sigfus J.; Conley, Daniel; Koc, Nalan; Spurk, Marco and Veski, Siim.

High-resolution analyses of an early Holocene climate event may imply decreased solar forcing as an important climate trigger: *Geology (Boulder)*, 29(12), p. 1107-1110, illus. incl. sketch map, 37 ref., December 2001.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0091-7613&volume=029&issue=012&page=1107>

56000437

Naito, Nozomu (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan); Ageta, Yutaka; Nakawo, Masayoshi; Waddington, Edwin D.; Raymond, Charles F. and Conway, Howard.

Response sensitivities of a summer-accumulation type glacier to climate changes indicated with a glacier fluctuation model: *Bulletin of Glaciological Research*, 18, p. 1-8, illus., 24 ref., March 2001.

56000438

Kang Shichang (Chinese Academy of Sciences, Laboratory of Ice Core and Cold Regions Environment, Lanzhou, China); Qin Dahe; Mayewski, Paul and Gjessing, Yngvar.

Snow chemistry in Svalbard, Arctic: *Bulletin of Glaciological Research*, 18, p. 9-13, illus. incl. 2 tables, sketch map, 28 ref., March 2001.

56000439

Takeuchi, Yukari (Niigata University, Research Institute for Hazards in Snowy Areas, Niigata, Japan); Kayastha, Rijan Bhakta; Naito, Nozomu; Kadota, Tsutomu and Izumi, Kaoru.

Comparison of meteorological features in the debris-free and debris-covered areas at Khumbu Glacier, Nepal Himalayas, in the premonsoon season, 1999: Bulletin of Glaciological Research, 18, p. 15-18, illus. incl. 1 table, sketch map, 9 ref., March 2001.

56000440

Hou Shugui (Chinese Academy of Sciences, Laboratory of Ice and Cold Regions Environment, Lanzhou, China) and Qin Dahe.

Change of isotopic and ionic profiles at two successive snow pits on the No. 1 glacier at the head of Urumqi River, Northwest China: Bulletin of Glaciological Research, 18, p. 19-21, illus. incl. 2 tables, sketch map, 18 ref., March 2001.

56000441

Ueno, Ken'ichi (University of Shiga Prefecture, School of Environmental Science, Hikone, Japan); Kayastha, Rijan Bhakta; Chitrakar, Mani R.; Bajracharya, Om R.; Pokhrel, Adarsha P.; Fujinami, Hatsuki; Kadota, Tsutomu; Iida, Hajime; Manandhar, Durga P.; Hattori, Miki; Yasunari, Tetsuzo and Nakawo, Masayoshi.

Meteorological observations during 1994-2000 at the Automatic Weather Station (GEN-AWS) in Khumbu region, Nepal Himalayas: Bulletin of Glaciological Research, 18, p. 23-30, illus. incl. 2 tables, 10 ref., March 2001.

56000442

Fujita, Koji (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan); Nakazawa, Fumio and Rana, Birbal.

Glaciological observations on Rikha Samba Glacier in Hidden Valley, Nepal Himalayas, 1998 and 1999: Bulletin of Glaciological Research, 18, p. 31-35, illus. incl. 4 tables, sketch map, 13 ref., March 2001.

56000443

Sakai, Akiko (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan); Yamada, Tomomi and Chikita, Kazuhisa.

Thermal regime of a moraine-dammed glacial lake, Tsho Rolpa, in Rolwaling Himal, Nepal Himalayas: Bulletin of Glaciological Research, 18, p. 37-44, illus. incl. 1 table, sketch map, 23 ref., March 2001.

56000444

Ageta, Yutaka (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan); Naito, Nozomu; Nakawo, Masayoshi; Fujita, Koji; Shankar, Kiran; Pokhrel, Adarsha P. and Wangda, Dorji.

Study project on the recent rapid shrinkage of summer-accumulation type glaciers in the Himalayas, 1997-1999: Bulletin of Glaciological Research, 18, p. 45-49, illus. incl. 2 tables, geol. sketch map, 23 ref., March 2001.

56000445

Fujita, Koji (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan); Kadota, Tsutomu; Rana, Birbal; Kayastha, Rijan Bhakta and Ageta, Yutaka.

Shrinkage of Glacier AX010 in Shorong region, Nepal Himalayas in the 1990s: Bulletin of Glaciological Research, 18, p. 51-54, illus. incl. 2 tables, geol. sketch map, 20 ref., March 2001.

56000446

Aniya, Masamu (University of Tsukuba, Institute of Geoscience, Ibaraki, Japan).

Glacier variations of Hielo Patagonico Norte, Chilean Patagonia, since 1944/45, with special reference to variations between 1995/96 and 1999/2000: Bulletin of Glaciological Research, 18, p. 55-63, illus. incl. 2 tables, sketch map, 31 ref., March 2001.

56000447

Takeuchi, Nozomu (University of Alaska, Fairbanks, Fairbanks, AK); Koshima, Shiro; Shiraiwa, Takayuki and Kubota, Keiji.

Characteristics of cryoconite (surface dust on glaciers) and surface albedo of a Patagonian glacier, Tyndall Glacier, southern Patagonia Icefield: Bulletin of Glaciological Research, 18, p. 65-69, illus. incl. geol. sketch map, 22 ref., March 2001.

56000448

Aniya, Masamu (University of Tsukuba, Institute of Geoscience, Ibaraki, Japan) and Naruse, Renji.

Overview of glaciological research project in Patagonia in 1998 and 1999; Holocene glacier variations and their mechanisms: Bulletin of Glaciological Research, 18, p. 71-78, illus. incl. sketch map, 46 ref., March 2001.

56000449

Anonymous.

Antarctic remediation at Cape Hallett: Antarctic, 18(2), p. 33, 2001.

56000450

Anonymous.

Serious injury on peninsula traverse: Antarctic, 18(2), p. 35, 43, 2001.

56000451

Bradshaw, Margaret.

New Zealand programme review: Antarctic, 18(2), p. 36-41, illus., 2001.

56000456

Yan Denghua (Chinese Academy of Sciences, Changchun Institute of Geography, Changchun, China); Deng Wei and He Yan.

The evolution of study on the affect of melt-water on the watershed hydro-system of environment: Shuiwen = Hydrology, 21(1), p. 5-9, (Chinese) (English sum.), illus., 16 ref., February 25, 2001.

56000458

Roe, Gerard H. (University of Washington, Quaternary Research Center, Seattle, WA) and Lindzen, Richard S.

The mutual interaction between continental-scale ice sheets and atmospheric stationary waves: Journal of Climate, 14(7), p. 1450-1465, illus., 36 ref., April 1, 2001. Includes appendices.

56000459

Serreze, Mark C. (University of Colorado at Boulder, Cooperative Institute for Research in Environmental Sciences, Boulder, CO); Lynch, Amanda H. and Clark, Martyn P.

The Arctic frontal zone as seen in the NCEP-NCAR reanalysis: *Journal of Climate*, 14(7), p. 1550-1567, illus. incl. sketch maps, 45 ref., April 1, 2001.

56000461

Kessler, M. A. (University of California at San Diego, Complex Systems Laboratory, La Jolla, CA); Murray, A. B.; Werner, B. T. and Hallet, B.

A model for sorted circles as self-organized patterns: *Journal of Geophysical Research*, B, Solid Earth and Planets, 106(7), p. 13,287-13,306, illus. incl. block diag., 37 ref., July 10, 2001.

56000462

Sarfraz, Ahmad (Jawaharlal Nehru University, School of Environmental Sciences, New Delhi, India) and Iqbal, Hasnain Syed.

Chemical characteristics of stream draining from Dudu Glacier; an alpine meltwater stream in Ganga headwater, Garhwal Himalaya: *Journal of China University of Geosciences*, 12(1), p. 75-83, illus. incl. 4 tables, sketch map, 38 ref., March 2001.

56000463

Teepe, R. (University of Göttingen, Institute of Soil Science and Forest Nutrition, Göttingen, Federal Republic of Germany); Brumme, R. and Beese, F.

Nitrous oxide emissions from soil during freezing and thawing periods: *Soil Biology & Biochemistry*, 33(9), p. 1269-1275, illus. incl. 1 table, 32 ref., July 2001.

56000464

Nakawo, Masayoshi (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan).

The conception and the outline of the Cryosphere Research Expedition in the Himalayas: *Seppyo = Journal of the Japanese Society of Snow and Ice*, 63(2), p. 139-146, (Japanese), 19 ref., March 2001.

56000465

Watanabe, Okitsugu (National Institute of Polar Research, Tokyo, Japan) and Ageta, Yutaka.

Initiation of glaciological research in the Himalayas by the Japanese: *Seppyo = Journal of the Japanese Society of Snow and Ice*, 63(2), p. 147-157, (Japanese), illus., 9 ref., March 2001.

56000466

Asahi, Katsuhiko (Tribhuvan University, Central Department of Geography, Kathmandu, Nepal).

Inventory and recent variations of glaciers in the eastern Nepal Himalayas: *Seppyo = Journal of the Japanese Society of Snow and Ice*, 63(2), p. 159-169, (Japanese) (English sum.), illus. incl. 3 tables, sketch maps, 15 ref., March 2001.

56000467

Fujita, Koji (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan).

Characteristics and climatic sensitivities of glacier mass balance on the Asian highland: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 171-179, (Japanese) (English sum.), illus., 23 ref., March 2001.

56000468

Sakai, Akiko (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan).

Ablation process of debris-covered glaciers: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 191-200, (Japanese) (English sum.), illus., 41 ref., March 2001.

56000469

Ueno, Kenichi (University of Shiga Prefecture, School of Environmental Science, Hikone, Japan).

Reviews about the recent climate variability in the Nepal Himalayas and Qinghai-Xizang Plateau: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 201-205, (Japanese) (English sum.), illus., 18 ref., March 2001.

56000470

Naito, Nozomu (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan).

Recent glacier shrinkage in the Nepal Himalayas: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 207-221, (Japanese) (English sum.), illus. incl. 2 tables, 41 ref., March 2001.

56000471

Yamada, Tomomi (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan).

Meteorological-hydrological environment and thermal regime of a moraine-dammed glacier lake, and their contribution to lake expansion: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 223-234, (Japanese) (English sum.), illus. incl. sketch map, 16 ref., March 2001.

56000472

Kikuchi, Katsuhiko (Hokkaido University, Division of Earth and Planetary Sciences, Sapporo, Japan); Nagaishi, Yuito; Asuma, Yoshio; Uyeda, Hiroshi; Kanemura, Naotoshi and Fujii, Masaharu.

Radar echo characteristics of the localized heavy snowfalls around Sapporo, Japan: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 239-251, illus., 22 ref., March 2001.

56000473

Toyama, Yoko (Hokkaido University of Education, Hokkaido, Japan); Nishio, Fumihiko and Hasegawa, Junko.

Characteristics of DC electrical conductivity measurement in sea ice: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 253-264, (Japanese) (English sum.), illus. incl. 3 tables, 15 ref., March 2001.

56000474

Tada, Ryohei (Teikoku Oil Company, Geophysics Division, Tokyo, Japan); Yu Sheng and Fukuda, Masami.

Elastic velocity measurements of large grain porous media below 0 degree Celsius: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 265-271, (Japanese) (English sum.), illus. incl. 2 tables, 8 ref., March 2001.

56000475

Tamura, Moriaki (Ojiya High School, Ojiya, Japan).

Study on development of the snowfall detector of two elements type: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(2), p. 273-280, (Japanese), illus., 8 ref., March 2001.

56000476

Suizu, Shigeo (Geosystems Company, Tokyo, Japan).

A snowmelt and water equivalent of snow model based on a simplified heat balance method: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(3), p. 307-318, (Japanese) (English sum.), illus. incl. 4 tables, 41 ref., May 2001.

56000477

Tsuchiya, Iwao (Aradate-cho 2-1-16, Yamagata, Japan).

Some glaciological phenomena observed in recent years at Shinji-yuki on Mt. Chokai, northern Japan: Seppyo = Journal of the Japanese Society of Snow and Ice, 63(3), p. 319-329, (Japanese), illus. incl. 1 table, sketch maps, 18 ref., May 2001.

56000478

Yakovlev, V. A. (Academy of Sciences of Tatarstan, Institute for the Ecology of Natural Systems, Tatarstan, Russian Federation).

Toxicity and accumulation of Al in the acid water of small lakes and watercourses in Finnish Lapland: Water Resources, 28(4), p. 413-419, illus. incl. 5 tables, 35 ref., August 2001.

56000479

Lukina, N. V. (Russian Academy of Sciences, Institute of Industrial Ecology of North, Apatity, Russian Federation); Nikonov, V. V. and Gorbacheva, T. T.

Natural water quality formation in forest covered divide areas in northern taiga: Water Resources, 28(4), p. 438-450, illus. incl. 4 tables, 40 ref., August 2001.

56000480

Briner, Jason P. (University of Colorado, Department of Geological Sciences, Boulder, CO); Swanson, Terry W. and Caffee, Marc.

Late Pleistocene cosmogenic ³⁶Cl glacial chronology of the southwestern Ahklun Mountains, Alaska: Quaternary Research (New York), 56(2), p. 148-154, illus. incl. 1 table, sketch map, 22 ref., September 2001.

56000481

Lundberg, Joyce (University of Bergen, Department of Geology, Bergen, Norway); Lauritzen, Stein-Erik and Lundberg, Joyce.

Stable isotope stratigraphy of a late last interglacial speleotherm from Rana, northern Norway: Quaternary Research (New York), 56(2), p. 155-164, illus. incl. 1 table, sketch map, 31 ref., September 2001.

56000483

Paul, Hilary A. (Swiss Federal Institute of Technology, Geological Institute, Zurich, Switzerland); Bernasconi, Stefano M.; Schmid, Daniel W. and McKenzie, Judith A.

Oxygen isotopic composition of the Mediterranean Sea since the last glacial maximum; constraints from pore water analyses: *Earth and Planetary Science Letters*, 192(1), p. 1-14, illus. incl. 1 table, sketch map, 50 ref., September 30, 2001.

56000484

Sagnotti, Leonardo (Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy); Macri, Patrizia; Camerlenghi, Angelo and Rebesco, Michele.

Environmental magnetism of Antarctic late Pleistocene sediments and interhemispheric correlation of climatic events: *Earth and Planetary Science Letters*, 192(1), p. 65-80, illus. incl. sects., 1 table, sketch map, 45 ref., September 30, 2001.

56000485

Vandenberghe, J. (Vrije Universiteit, Netherlands Centre for Geo-ecological Research (ICG), Amsterdam, Netherlands); Isarin, R. F. B. and Renssen, H.

Rapid climatic warming; palaeo-data analysis and modeling: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), *Global and Planetary Change*, 30(1-2), p. 1-5, illus., 23 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands.

56000486

Weber, S. L. (Royal Netherlands Meteorological Institute (KNMI), De Bilt, Netherlands).

The impact of orbital forcing on the climate of an intermediate-complexity coupled model: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), *Global and Planetary Change*, 30(1-2), p. 7-12, illus. incl. sketch maps, 14 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands.

56000487

Austin, W. E. N. (University of Saint Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom) and Kroon, D.

Deep sea ventilation of the northeastern Atlantic during the last 15,000 years: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), *Global and Planetary Change*, 30(1-2), p. 13-31, illus. incl. 4 tables, sketch map, 53 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands.

56000488

Boessenkool, Karin P. (Utrecht University, Laboratory of Palaeobotany and Palynology, Utrecht, Netherlands); Brinkhuis, Henk; Schönfeld, Joachim and Targarona, Jordi.

North Atlantic sea-surface temperature changes and the climate of western Iberia during the last deglaciation; a marine palynological approach: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), *Global and Planetary Change*, 30(1-2), p. 33-39, illus. incl. sketch map, 30 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands. *Neth. Res. Sch. Sediment. Geol. (NSG), Publ. No. 2000-0801.*

56000489

Renssen, H. (Vrije Universiteit Amsterdam, Netherlands Centre for Geo-ecological Research (ICG), Amsterdam, Netherlands); Isarin, R. F. B.; Jacob, D.; Podzun, R. and Vandenberghe, J.

Simulation of the Younger Dryas climate in Europe using a regional climate model nested in an AGCM; preliminary results: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), Global and Planetary Change, 30(1-2), p. 41-57, illus. incl. 1 table, sketch maps, 58 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands.

56000490

Walker, M. J. C. (University of Wales, Department of Archaeology, Lampeter, United Kingdom).

Rapid climate change during the last glacial-interglacial transition; implications for stratigraphic subdivision, correlation and dating: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), Global and Planetary Change, 30(1-2), p. 59-72, illus., 99 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands.

56000492

Magny, Michel (Faculty of Sciences and Techniques, Laboratoire de Chrono-Ecologie, Besancon, France).

Palaeohydrological changes as reflected by lake-level fluctuations in the Swiss Plateau, the Jura Mountains and the northern French Pre-Alps during the last glacial-Holocene transition; a regional synthesis: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), Global and Planetary Change, 30(1-2), p. 85-101, illus. incl. sects., 4 tables, sketch map, 56 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands.

56000493

Hoek, Wim Z. (Vrije Universiteit Amsterdam, Netherlands Centre for Geo-ecological Research (ICG), Amsterdam, Netherlands).

Vegetation response to the ~14.7 and ~11.5 ka cal. BP climate transitions; is vegetation lagging climate?: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), Global and Planetary Change, 30(1-2), p. 103-115, illus. incl. 2 tables, charts, 56 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands.

56000494

Renssen, H. (Vrije Universiteit Amsterdam, Netherlands Centre for Geo-ecological Research (ICG), Amsterdam, Netherlands) and Isarin, R. F. B.

The two major warming phases of the last deglaciation at ~14.7 and ~11.5 ka cal BP in Europe; climate reconstructions and AGCM experiments: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), Global and Planetary Change, 30(1-2), p. 117-153, illus. incl. 3 tables, sketch maps, 250 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands. Includes appendix.

56000495

Renssen, H. (Vrije Universiteit Amsterdam, Netherlands Centre for Geo-ecological Research (ICG), Amsterdam, Netherlands); Isarin, R. F. B. and Vandenberghe, J.

Rapid climatic warming at the end of the last glacial; new perspectives: *in* The last deglaciation; climate modeling and data analysis (Vandenberghe, J., editor; *et al.*), Global and Planetary Change, 30(1-2), p. 155-165, illus. incl. 1 table, 63 ref., September 2001. *Meeting*: Workshop on Rapid climate warming at the end of the last glacial; palaeodata analysis and climate modeling, Feb. 22-24, 2000, Haarlem, Netherlands. Includes contributions by the workshop participants.

56000496

Anderson, John B. (Rice University, Department of Earth Science, Houston, TX); Smith Wellner, Julia; Lowe, Ashley L.; Mosola, Amanda B. and Shipp, Stephanie S.

Footprint of the expanded West Antarctic ice sheet; ice stream history and behavior: GSA Today, 11(10), p. 4-9, illus. incl. 1 table, sketch maps, 26 ref., October 2001.

56000497

McCulloch, Robert D. (University of Edinburgh, Department of Geography, Edinburgh, United Kingdom) and Davies, Sarah J.

Late-glacial and Holocene palaeoenvironmental change in the central Strait of Magellan, southern Patagonia: Palaeogeography, Palaeoclimatology, Palaeoecology, 173(3-4), p. 143-173, illus. incl. charts, 1 table, sketch map, 68 ref., September 15, 2001. *diatoms, pollen*

56000498

Frechen, Manfred (Institut für Geowissenschaftliche Gemeinschaftsaufgaben (GGA), Geochronology and Isotope Hydrology, Hanover, Federal Republic of Germany); van Vliet-Lanoë, Brigitte and van den Haute, Peter.

The upper Pleistocene loess record at Harmignies/Belgium; high resolution terrestrial archive of climate forcing: Palaeogeography, Palaeoclimatology, Palaeoecology, 173(3-4), p. 175-195, illus. incl. sects., 4 tables, sketch maps, 73 ref., September 15, 2001.

56000499

Pruher, Libby M. (University of Michigan, Department of Geological Sciences, Ann Arbor, MI) and Rea, David K.

Volcanic triggering of late Pliocene glaciation; evidence from the flux of volcanic glass and ice-rafted debris to the North Pacific Ocean: Palaeogeography, Palaeoclimatology, Palaeoecology, 173(3-4), p. 215-230, illus. incl. 1 table, sketch map, 65 ref., September 15, 2001.

56000500

Poots, G., editor.

Ice and snow accretions on structures: Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 2801-3033, illus. incl. tables, sketch maps, November 15, 2000. Individual papers are cited separately.

56000501

Poots, G. (9 Rockfield, Bangor, United Kingdom).

Introductory remarks: *in* Ice and snow accretions on structures (Poots, G., editor), Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 2803-2810, 35 ref., November 15, 2000.

56000502

Lozowski, Edward P. (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada); Szilder, Krzysztof and Makkonen, Lasse.

Computer simulation of marine ice accretion: *in* Ice and snow accretions on structures (Poots, G., editor), Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 2811-2845, illus. incl. 1 table, 74 ref., November 15, 2000.

56000503

Gent, R. W. (Defence Evaluation and Research Agency, Farnborough, United Kingdom); Dart, N. P. and Cansdale, J. T.

Aircraft icing: *in* Ice and snow accretions on structures (Poots, G., editor), Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 2873-2911, illus., 56 ref., November 15, 2000.

56000504

Makkonen, Lasse (Technical Research Centre of Finland, Finland).

Models for the growth of rime, glaze, icicles and wet snow on structures: *in* Ice and snow accretions on structures (Poots, G., editor), Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 2913-2939, illus., 128 ref., November 15, 2000.

56000505

Sakamoto, Yukichi (Central Research Institute for Electric Power Industry, Tokyo, Japan).

Snow accretion on overhead wires: *in* Ice and snow accretions on structures (Poots, G., editor), Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 2941-2970, illus. incl. 1 table, 34 ref., November 15, 2000.

56000506

Farzaneh, Masoud (NSERC/Hydro-Québec/UQAC Industrial Chair on Atmospheric Icing, Chicoutimi, PQ, Canada).

Ice accretions on high-voltage conductors and insulators and related phenomena: *in* Ice and snow accretions on structures (Poots, G., editor), Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 2971-3005, illus. incl. 3 tables, 98 ref., November 15, 2000.

56000507

Krishnasamy, Samy (Samtech, Mississauga, ON, Canada) and Fikke, Svein M.

An objective approach for selecting ice or wet-snow design loads on transmission lines: *in* Ice and snow accretions on structures (Poots, G., editor), Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences, 358(1776), p. 3007-3033, illus. incl. 8 tables, 29 ref., November 15, 2000.

56000524

Waterson, Nicholas J. (Augustana College, Rock Island, IL); Strasser, J. C.; Larson, G. J.; Linker, J.; Gosse, J. C.; Evenson, E. B. and Lawson, D. E.

Suspended sediment concentrations in subglacial discharge from the north vent of the Matanuska Glacier, Alaska [abstr.]: *in* Geological Society of America, North-Central Section, 34th annual meeting, Abstracts with Programs - Geological Society of America, 32(4), p. 66-67, March 2000. *Meeting:* April 6-7, 2000, Indianapolis, IN. CRREL Report No: ERDC/CRREL MP-02-5751

56000712

Lachniet, Matthew S. (Syracuse University, Department of Earth Sciences, Syracuse, NY); Larson, Grahame J.; Lawson, Daniel E.; Evenson, Edward B. and Alley, Richard B.
Microstructures of sediment flow deposits and subglacial sediments; a comparison: *Boreas*, 30(3), p. 254-262, illus. incl. 1 table, sketch map, 19 ref., September 2001. CRREL Report No: ERDC/CRREL MP-02-5752

56000713

Svavarsson, J. (University of Iceland, Institute of Biology, Reykjavik, Iceland); Granmo, A.; Ekelund, R. and Szpunar, J.
Occurrence and effects of organotins on adult common whelk (*Buccinum undatum*) (Mollusca, Gastropoda) in harbours and in a simulated dredging situation: *Marine Pollution Bulletin*, 42(5), p. 370-376, 3 tables, 33 ref., May 2001.

56000714

Cenderelli, Daniel A. (Colorado State University, Department of Earth Resources, Fort Collins, CO) and Wohl, Ellen E.
Peak discharge estimates of glacial-lake outburst floods and "normal" climatic floods in the Mount Everest region, Nepal: *Geomorphology*, 40(1-2), p. 57-90, illus. incl. 6 tables, geol. sketch maps, 54 ref., September 2001.

56000715

Whalen, S. C. (University of Alaska, Institute of Marine Science, Fairbanks, AK) and Reeburgh, W. S.
Carbon monoxide consumption in upland boreal forest soils: *Soil Biology & Biochemistry*, 33(10), p. 1329-1338, illus. incl. 3 tables, 47 ref., August 2001.

56000716

Tsuyuzaki, Shiro (Hokkaido University, Graduate School of Environmental Earth Science, Sapporo, Japan); Nakano, Tomoko; Kuniyoshi, Shun-ichi and Fukuda, Masami.
Methane flux in grassy marshlands near Kolyma River, north-eastern Siberia: *Soil Biology & Biochemistry*, 33(10), p. 1419-1423, 3 tables, 30 ref., August 2001.

56000717

Müller, J. (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany); Oberhänsli, H.; Melles, M.; Schwab, M.; Rachold, V. and Hubberten, H. W.
Late Pliocene sedimentation in Lake Baikal; implications for climatic and tectonic change in SE Siberia: *Palaeogeography, Palaeoclimatology, Palaeoecology*, 174(4), p. 305-326, illus. incl. 1 table, geol. sketch map, 97 ref., October 1, 2001.
<http://www.pangaea.de>

56000718

Walsh, Peter (University of Silesia, Geomorphology Department, Sosnowiec, Poland) and Morawiecka-Zacharz, Iwona.
A dissolution pipe palaeokarst of mid-Pleistocene age preserved in Miocene limestones near Staszów, Poland: *Palaeogeography, Palaeoclimatology, Palaeoecology*, 174(4), p. 327-350, illus. incl. 1 table, sketch map, 62 ref., October 1, 2001.

56000719

Noe-Nygaard, Nanna (University of Copenhagen, Geological Institute, Copenhagen, Denmark) and Heiberg, Erik Otto.

Lake-level changes in the late Weichselian Lake Tovelde, Mon, Denmark; induced by changes in climate and base level: *Palaeogeography, Palaeoclimatology, Palaeoecology*, 174(4), p. 351-382, illus. incl. sects., 2 tables, sketch maps, 59 ref., October 1, 2001.

56000720

Musgrove, MaryLynn (University of Texas, Department of Geological Sciences, Austin, TX); Banner, Jay L.; Mack, Larry E.; Combs, Deanna M.; James, Eric W.; Cheng, Hai and Edwards, R. Lawrence.

Geochronology of late Pleistocene to Holocene speleothems from central Texas; implications for regional paleoclimate: *Geological Society of America Bulletin*, 113(12), p. 1532-1543, illus. incl. 1 table, sketch map, 98 ref., December 2001. Includes appendix.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0016-7606&volume=0113&issue=012&page=1532>

56000721

Nezat, Carmen A. (University of Alabama, Department of Geological Sciences, Tuscaloosa, AL); Lyons, W. Berry and Welch, Kathleen A.

Chemical weathering in streams of a polar desert (Taylor Valley, Antarctica): *Geological Society of America Bulletin*, 113(11), p. 1401-1408, illus. incl. 4 tables, sketch map, 50 ref., November 2001.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0016-7606&volume=0113&issue=011&page=1401>

56000723

Weinstock, Eric A. (CA RICH Consultants, Plainview, NY).

Dry cleaners, perchloroethene and glacial aquifers; lessons learned on Long Island, NY: *The Professional Geologist*, 38(10), p. 3-7, illus., 5 ref., October 2001.

56000724

Font, Robert.

Understanding natural geologic hazards; what everyone should know: *The Professional Geologist*, 38(10), p. 9-10, illus., October 2001.

56000726

Kimball, Lee A., compiler (Int. Inst. Environ. and Dev., Washington, DC).

Future directions for the management of Antarctic science; a conference convened by the International Institute for Environment and Development: *Int. Inst. Environ. and Dev.*, Washington, DC, 41 p., January 1987. *Meeting*: June 28-30, 1986, Racine, WI. Individual papers are not cited separately.

56000727

He Ping (State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environment and Engineering Research Institute, Lanzhou, China); Zhu Yuanlin and Chen Guodong.

Constitutive models of frozen soil: *Canadian Geotechnical Journal = Revue Canadienne de Géotechnique*, 37(4), p. 811-816 (French sum.), illus., 16 ref., August 2000.

56000728

Konrad, Jean-Marie (Université Laval, Département de Génie Civil, Sainte Foy, PQ, Canada) and Samson, Martin.

Hydraulic conductivity of kaolinite-silt mixtures subjected to closed-system freezing and thaw consolidation: Canadian Geotechnical Journal = Revue Canadienne de Géotechnique, 37(4), p. 857-869 (French sum.), illus. incl. 2 tables, 17 ref., August 2000.

56000729

Li Xinqing (Chinese Academy of Sciences, Laboratory of Ice Core and Cold Regions Environment, Lanzhou, China); Qin Dahe and Zhou Hui.

Organic acids; differences in ice core records between Glacier 1, Tianshan, China and the polar areas: Chinese Science Bulletin, 46(1), p. 80-83, illus. incl. 1 table, 29 ref., January 2001.

56000730

Meier, Walter N. (National Ice Centre, Washington, DC) and Maslanik, James A.

Improved sea ice parcel trajectories in the Arctic via data assimilation: Marine Pollution Bulletin, 42(6), p. 506-512, illus. incl. 3 tables, sketch map, 19 ref., June 2001.

56000731

Ershova, S. V. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Kopelevich, O. V.; Sheberstov, S. V.; Burenkov, V. I. and Khrapko, A. N.

A method for estimating the penetration of solar visual and ultraviolet radiation into the waters of the Arctic seas using satellite data; the case of a cloudless atmosphere: Oceanology, 41(3), p. 317-325, illus. incl. 2 tables, 33 ref., June 2001.

56000732

Ametistova, L. E. (Moscow State University, Geography Faculty, Moscow, Russian Federation); Dobrolyubov, S. A. and Gulev, S. K.

Variability of the active layer in the North Atlantic from hydrologic data and values of heat and moisture fluxes at the surface: Oceanology, 41(3), p. 326-337, illus. incl. 3 tables, sketch maps, 10 ref., June 2001.

56000733

Nedashkovskii, A. P. (Russian Academy of Sciences, Il'ichev Pacific Oceanological Institute, Vladivostok, Russian Federation) and Sapozhnikov, V. V.

Estimation of the CO₂ fluxes through the ocean-atmosphere boundary by hydrochemical parameters in the western part of the Bering Sea: Oceanology, 41(3), p. 351-359, illus. incl. 5 tables, sketch map, 22 ref., June 2001.

56000734

Gukov, A. Yu. (Tiksi Department of Hydrometeorology, Sakha-Yakutia, Russian Federation); Antonov, M.; Taldenkova, E. E. and Schmid, M. K.

Peculiarities of the microscale (facial) benthos distribution at the fast ice edge in the Laptev Sea: Oceanology, 41(3), p. 395-402, illus. incl. 1 table, 26 ref., June 2001.

56000735

Verzhbitskii, E. V. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation).

Geothermal studies in the Pechora Sea: *Oceanology*, 41(3), p. 438-443, illus. incl. sect., 2 tables, sketch map, 19 ref., June 2001.

56000736

Loutre, M. F. (Université Catholique de Louvain, Institut d'Astronomie et de Géophysique G. Lemaître, Louvain-la-Neuve, Belgium) and Berger, A.

Future climatic changes; are we entering an exceptionally long interglacial?: *Climatic Change*, 46(1-2), p. 61-90, illus., 86 ref., July 2000.

56000737

Serreze, M. C. (University of Colorado, Cooperative Institute for Research in Environmental Sciences, Boulder, CO); Walsh, J. E.; Chapin, F. S., III; Osterkamp, T.; Dyurgerov, M.; Romanovsky, V.; Oechel, W. C.; Morison, J.; Zhang, T. and Barry, R. G.

Observational evidence or recent change in the northern high-latitude environment: *Climatic Change*, 46(1-2), p. 159-207, illus. incl. 5 plates, 1 table, sketch map, 138 ref., July 2000.

56000739

Wakino, Sadanori (Kakioka Magnetic Observatory, Ibaraki, Japan); Funaki, Minoru and Nogi, Yoshifumi.

Magnetic survey in Ongul Strait, Lutzow-Holm Bay, East Antarctica: *Nankyoku Shiryo = Antarctic Record*, 45(1), p. 43-49, illus. incl. 1 table, 5 ref., March 2001.

56000740

Shiraishi, Kazuyuki (National Institute of Polar Research, Tokyo, Japan).

Activities of the summer party of the 40th Japanese Antarctic Research Expedition in 1998-1999: *Nankyoku Shiryo = Antarctic Record*, 45(1), p. 50-70, (Japanese) (English sum.), illus. incl. 4 tables, 2 ref., March 2001.

56000741

Ohashi, Yasuhiro (Nakanihon Air Service, Aichi, Japan); Maki, Ken-ichi; Harigai, Shinji; Takei, Tadaaki; Motoyoshi, Yoichi; Yamauchi, Hajime and Miura, Hideki.

Report on the helicopter operation in western Enderby Land, 1998-1999 (JARE-40): *Nankyoku Shiryo = Antarctic Record*, 45(1), p. 71-100, (Japanese) (English sum.), illus. incl. 6 tables, 3 ref., March 2001.

56000742

Miyamachi, Hiroki (Kagoshima University, Department of Earth and Environmental Sciences, Kagoshima, Japan); Murakami, Hiroshi; Tsutsui, Tomoki; Toda, Shigeru; Minta, Toshiaki and Yanagisawa, Morio.

A seismic refraction experiment in 2000 on the Mizuho Plateau, East Antarctica (JARE-41); outline of observations: *Nankyoku Shiryo = Antarctic Record*, 45(1), p. 101-147, (Japanese) (English sum.), illus. incl. 5 tables, sketch map, 11 ref., March 2001.

56000743

Clayton, Lee (Wisconsin Geological and Natural History Survey, Madison, WI); Attig, John W. and Mickelson, David M.

Effects of late Pleistocene permafrost on the landscape of Wisconsin, USA: *Boreas*, 30(3), p. 173-188, illus. incl. sects., sketch maps, 71 ref., September 2001.

56000744

Ising, Jonas (Lund University, Department of Quaternary Geology, Lund, Sweden).

Late Weichselian pollen stratigraphy, clay varve chronology and palaeomagnetic secular variations in Lake Bolmen, Smaland, South Sweden: *Boreas*, 30(3), p. 189-204, illus. incl. 1 table, sketch map, 66 ref., September 2001.

56000745

Bennike, Ole (Geological Survey of Denmark and Greenland, Copenhagen, Denmark) and Weidick, Anker.

Late Quaternary history around Nioghalvfjerdsfjorden and Jokelbugten, North-east Greenland: *Boreas*, 30(3), p. 205-227, illus. incl. 5 tables, sketch map, 106 ref., September 2001.

56000746

Wagner, Bernd (Alfred Wegener Institute for Polar and Marine Research, Research Unit Potsdam, Telegrafenberg, Federal Republic of Germany) and Melles, Martin.

A Holocene seabird record from Raffles So sediments, East Greenland, in response to climatic and oceanic changes: *Boreas*, 30(3), p. 228-239, illus. incl. 1 table, strat. col., sketch map, 65 ref., September 2001.

56000747

Brekhuniov, A. M.; Zolotov, A. N.; Rezunenkov, V. I.; Salmanov, F. K.; Saltykov, V. I. and Shpil'man, V. I.

West Siberia to remain the main oil and gas producing province of Russia in XXI century: *Petroleum Geology, a Quarterly Journal*, 35(4), p. 388-391, sects., A-01. Transl. from the Russian, *Geologiya Nefti i Gaza*, No. 4, p. 2-8, 2000.

56000748

van Vliet-Lanoë, Brigitte (Université des Sciences et Techniques de Lille, Sédimentologie et Géodynamique, Villeneuve d'Ascq, France); van Cauwenberge, Anne-Sophie; Bourgeois, Olivier; Dauteuil, Olivier and Schneider, Jean-Luc.

A candidate for the last interglacial record in northern Iceland; the Sydra Formation; stratigraphy and sedimentology: *Comptes Rendus de l'Académie des Sciences, Série II. Sciences de la Terre et des Planètes*, 332(9), p. 577-584 (French sum.), 27 ref., 2001.

56000749

Campbell, David L. (U. S. Geological Survey); Sampson, Jay A.; Wise, Richard A. and Williams, Jackie M.

Magnetotelluric and audiomagnetotelluric data collected in Alaska by the U. S. Geological Survey, 1985-1992: Open-File Report - U. S. Geological Survey, Rep. No. OF 01-0053, 1 disc, 2001. compact disc *Available from*: U. S. Geol. Surv., Denver, CO, United States.

56000750

Krimmel, Robert M. (U. S. Geological Survey, Tacoma, WA).

Photogrammetry data set, 1957-2000, and bathymetric measurements for Columbia Glacier, Alaska: Water-Resources Investigations - U. S. Geological Survey, Rep. No. WRI 01-4089, 40 p. 1 disc, illus. incl. 12 tables, sketch maps, 8 ref., 2001. *Available from:* U. S. Geol. Surv., Denver, CO, United States. Includes one CD-ROM.

56000751

Randall, Allan D. (U. S. Geological Survey).

Hydrogeologic framework of stratified-drift aquifers in the glaciated Northeastern United States: U. S. Geological Survey Professional Paper, U. S. Geological Survey, Reston, VA, Rep. No. P 1415-B, p. B1-B179, illus. incl. block diags., sects., 5 tables; colored hydrologic map, 580 ref., 2001. *Available from:* U. S. Geol. Surv., Denver, CO, United States.

56000752

Ferguson, Steven H. (Lakehead University, Faculty of Forestry and the Forest Environment, Thunder Bay, ON); Taylor, Mitchell K.; Born, Erik W.; Rosing-Asvid, Aqqalu and Messier, François.

Activity and movement patterns of polar bears inhabiting consolidated versus active pack ice: Arctic, 54(1), p. 49-54, illus. incl. 1 table, sketch map, 36 ref., March 2001.

56000753

Waythomas, C. F. (U. S. Geological Survey, Alaska Volcano Observatory, Anchorage, AK).

Formation and failure of volcanic debris dams in the Chakachatna River valley associated with eruptions of the Spurr volcanic complex, Alaska: Geomorphology, 39(3-4), p. 111-129, illus. incl. 3 tables, 37 ref., August 2001.

56000754

Wolfe, Alexander P. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO); Steig, E. J.; Kaplan, M. R.; Bierman, Paul R.; Marsella, Kim A.; Davis, P. Thompson and Caffee, Marc W.

An alternative model for the geomorphic history of pre-Wisconsinan surfaces on eastern Baffin Island; discussion and reply: Geomorphology, 39(3-4), p. 251-260, illus. incl. 1 table, 48 ref., August 2001. For reference to original see Geomorphology, 25, p. 25-39, 1999.

56000755

McCarroll, Danny (University of Wales Swansea, Department of Geography, Swansea, United Kingdom) and Pawellek, Frank.

Stable carbon isotope ratios of *Pinus sylvestris* from northern Finland and the potential for extracting a climate signal from long Fennoscandian chronologies: The Holocene, 11(5), p. 517-526, illus. incl. 4 tables, sketch map, 37 ref., September 2001.

56000756

Seppa, Heikki (Uppsala University, Department of Earth Sciences, Uppsala, Sweden) and Birks, H. J. B.

July mean temperature and annual precipitation trends during the Holocene in the Fennoscandian tree-line area; pollen-based climate reconstructions: The Holocene, 11(5), p. 527-539, illus. incl. 1 table, sketch maps, 76 ref., September 2001.

56000757

Kasper, Jennifer N. (University of Ottawa, Department of Geography, Ottawa, ON, Canada) and Allard, Michel.

Late-Holocene climatic changes as detected by the growth and decay of ice wedges on the southern shore of Hudson Strait, northern Québec, Canada: *The Holocene*, 11(5), p. 563-577, illus. incl. sects., strat. cols., 2 tables, geol. sketch maps, 49 ref., September 2001.

56000758

Reasoner, Mel A. (Brunel University, Geography and Earth Sciences, United Kingdom); Davis, P. Thompson and Osborn, Gerald.

Evaluation of proposed early-Holocene advances of alpine glaciers in the North Cascade Range, Washington State, USA; constraints provided by palaeo-environmental reconstructions: *The Holocene*, 11(5), p. 607-611, illus. incl. sketch map, 34 ref., September 2001.

56000759

Klok, E. J. (Swiss Federal Institute of Technology, Institute for Climate Research, Zurich, Switzerland); Jasper, K.; Roelofsma, K. P.; Gurtz, J. and Badoux, A.

Distributed hydrological modelling of a heavily glaciated Alpine river basin: *Hydrological Sciences Journal = Journal des Sciences Hydrologiques*, 46(4), p. 553-570 (French sum.), illus. incl. 2 tables, 40 ref., August 2001.

56000760

Egli, Markus (Universität Zurich, Geographisches Institut, Zurich, Switzerland) and Mirabella, Aldo.

Bodenkundliche Untersuchungen im spät- und postglazialen Bereich des Hinteren Lauterbrunnentals (Berner Oberland, Schweiz); Bodenchemischer und -mineralogischer Vergleich zweier Podsole auf unterschiedlich alten Moränen [Soils research in late-glacial and post-glacial areas of the upper Lauterbrunnen Valley, Bernese Alps, Switzerland; soil chemistry and mineralogy comparisons between Podzols in two different historic moraines]: *Geographica Helvetica*, 56(2), p. 117-132 (English, French sum.), illus. incl. 4 tables, geol. sketch map, 34 ref., 2001.

56000761

Wipf, Andreas (ETH Honggerberg, Institut für Kartographie, Zurich, Switzerland).

Gletschergeschichtliche Untersuchungen im spät- und postglazialen Bereich des Hinteren Lauterbrunnentals (Berner Oberland, Schweiz) [Extent of late- and post-glacial glacial deposits in the upper Lauterbrunnen Valley area, Bernese Alps, Switzerland]: *Geographica Helvetica*, 56(2), p. 133-144 (English, French sum.), illus. incl. 1 table, geol. sketch maps, 36 ref., 2001.

56000762

Berndtsson, Ronny (Lund University, Department of Water Resources Engineering, Lund, Sweden); Uvo, Cintia; Matsumoto, Minoru; Jinno, Kenji; Kawamura, Akira; Xu Shiguo and Olsson, Jonas.

Solar-climatic relationship and implications for hydrology: *Nordic Hydrology*, 32(2), p. 65-84, 2001.

56000763

Croot, D. (University of Plymouth, Department of Geographical Sciences, Plymouth, United Kingdom) and Griffiths, J. S.

Engineering geological significance of relict periglacial activity in South and East Devon: Quarterly Journal of Engineering Geology and Hydrogeology, 34, Part 3, p. 269-281, illus. incl. sects., block diag., 1 table, geol. sketch maps, 37 ref., August 2001.

56000764

Chang, Soon-Keun, editor.

Special issue for the sixth Seoul international symposium on Antarctic science: Hanguk Kukchi Yongu = Korean Journal of Polar Research, 10(2), 154 p., illus. incl. tables, 1999. *Meeting*: May 18-19, 1999, Seoul, South Korea. Individual papers within scope are cited separately.

56000765

Boutron, Claude F.

Antarctic and Greenland snow and ice cores; archives of the climate and pollution of the atmosphere of the Earth: *in* Special issue for the sixth Seoul international symposium on Antarctic science (Chang, Soon-Keun, editor), Hanguk Kukchi Yongu = Korean Journal of Polar Research, 10(2), p. 45-52, illus., 1999. *Meeting*: May 18-19, 1999, Seoul, South Korea.

56000766

Rosman, Kevin J. R.; Chisholm, Warrick; Boutron, Claude F. and Candelone, Jean-Pierre.

Lead isotopes as tracers of pollution in snow and ice: *in* Special issue for the sixth Seoul international symposium on Antarctic science (Chang, Soon-Keun, editor), Hanguk Kukchi Yongu = Korean Journal of Polar Research, 10(2), p. 53-58, illus., 1999. *Meeting*: May 18-19, 1999, Seoul, South Korea.

56000767

Liston, Glen E. (Colorado State University, Department of Atmospheric Science, Fort Collins, CO); Winther, Jan-Gunnar; Bruland, Oddbjorn; Elvehoy, Hageir; Sand, Knut and Karlof, Lars.

Snow and blue-ice distribution patterns on the coastal Antarctic ice sheet: Antarctic Science, 12(1), p. 69-79, illus. incl. 1 table, sketch maps, 23 ref., March 2000.

56000768

McMinn, Andrew (University of Tasmania, Institute of Antarctic and Southern Ocean Studies and Antarctic CRC, Hobart, Tasmania, Australia).

Late Holocene increase in sea ice extent in fjords of the Vestfold Hills, Eastern Antarctica: Antarctic Science, 12(1), p. 80-88, illus. incl. 2 tables, sketch map, 43 ref., March 2000.

56000769

Worby, A. P. (Australian Antarctic Division, Hobart, Tasmania, Australia) and Ackley, S. F.

Sea ice thickness methodically measured in Antarctic: Earth in Space, 12(7), p. 15, sketch map, March 2000.

56000770

Siebert, Martin J. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom) and Marsiat, Isabelle.

Numerical reconstructions of LGM climate across the Eurasian Arctic: *Quaternary Science Reviews*, 20(15), p. 1595-1605, illus. incl. sketch maps, 26 ref., September 2001.

56000771

Long, David G. (Brigham Young University Microwave Earth Remote Sensing Laboratory, Provo, UT) and Drinkwater, Mark.

Microwave wind direction retrieval over Antarctica: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 3, p. 1137-1139, illus., 2 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000772

Long, David G. (Brigham Young University Microwave Earth Remote Sensing Laboratory, Provo, UT).

Land and ice applications of SeaWinds data: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 3, p. 1220-1222, illus., 6 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000773

Ezraty, Robert (IFREMER Centre de Brest, Département d'Océanographie Spatiale, Plouzane, France); Jones, W. Lindwood and Zec, Josko.

On the joint use of QSCAT and QRAD over the Arctic and Antarctic oceans: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 2000, Vol. 3, p. 1223-1225, illus., 4 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56000774

German National Committee on Antarctic Research.

German Antarctic research report to SCAR; I, Past activities (October 1990-March 1991); II, Planned activities (April 1991-March 1992): National Antarctic Research, 13, 123 p., sketch map, 1991.

56000775

Spaulding, Sarah A. (California Academy of Sciences, Diatom Section, San Francisco, CA) and McKnight, Diane M.

Diatoms as indicators of environmental change in Antarctic freshwaters: *in* The diatoms; applications for the environmental and earth sciences (Stoermer, Eugene F., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 245-263, illus. incl. 1 table, sketch map, 94 ref., 1999.

56000776

Kejna, Marek (Nicholas Copernicus University, Department of Climatology, Torun, Poland).

Air temperature on King George Island, South Shetland Islands, Antarctica: Polish Polar Research, 20(3), p. 183-201 (Polish sum.), illus. incl. 6 tables, sketch map, 48 ref., 1999.

56000777

Kejna, Marek (Nicholas Copernicus University, Department of Climatology, Torun, Poland) and Láska, Kamil.

Weather conditions at Arctowski Station, King George Island, South Shetland Islands, Antarctica in 1996: Polish Polar Research, 20(3), p. 203-220 (Polish sum.), illus. incl. 3 tables, sketch map, 29 ref., 1999.

56000778

Kejna, Marek (Nicholas Copernicus University, Department of Climatology, Torun, Poland) and Láska, Kamil.

Spatial differentiation of ground temperature in the region of Arctowski Station, King George Island, Antarctica in 1996: Polish Polar Research, 20(3), p. 221-241 (Polish sum.), illus. incl. 4 tables, sketch map, 30 ref., 1999.

56000779

Noltimier, K. F. (Ohio State University, Byrd Polar Research Center, Columbus, OH); Jezek, Kenneth C.; Sohn, Hong-Gyoo; Li, B.; Liu, H.; Baumgartner, François; Kaupp, V.; Curlander, J. C.; Wilson, B. and Onstott, R.

RADARSAT Antarctic Mapping Project; mosaic construction: *in* Remote sensing of the system Earth; a challenge for the 21st Century; IGARSS'99 proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 1999, Vol. 5, p. 2349-2351, illus. incl. 1 table, sketch map, 4 ref., 1999. *Meeting:* IEEE 1999 international geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

56000780

Sohn, Hong-Gyoo (Ohio State University, Byrd Polar Research Center, Columbus, OH); Jezek, Kenneth C.; Baumgartner, François; Forster, Richard and Mosley-Thompson, Ellen.

Radar backscatter measurements from RADARSAT SAR imagery of South Pole Station, Antarctica: *in* Remote sensing of the system Earth; a challenge for the 21st Century; IGARSS'99 proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 1999, Vol. 5, p. 2360-2362, illus., 7 ref., 1999. *Meeting:* IEEE 1999 international geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

56000781

Meisner, R. (Deutsches Zentrum für Luft- und Raumfahrt, Wessling, Federal Republic of Germany); Craubner, A.; Dech, S. and Eales, P.

Art meets science; computer animation of remote sensing data for communicating information on the environmental complexity of the polar regions: *in* Remote sensing of the system Earth; a challenge for the 21st Century; IGARSS'99 proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium, 1999, Vol. 5, p. 2730-2732, illus., 2 ref., 1999. *Meeting:* IEEE 1999 international geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.